



TECHDOCS

PAN-OS CLI Quick Start

Version 10.1

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Get Started with the CLI

Every Palo Alto Networks device includes a command-line interface (CLI) that allows you to monitor and configure the device. Although this guide does not provide detailed command reference information, it does provide the information you need to learn how to use the CLI. It includes information to help you find the command you need and how to get syntactical help after you find it. It also explains how to verify the SSH connection to the firewall when you access the CLI remotely, and how to refresh the SSH keys and configure key options when connecting to the management interface.

- [Access the CLI](#)
- [Verify SSH Connection to Firewall](#)
- [Refresh SSH Keys and Configure Key Options for Management Interface Connection](#)
- [Give Administrators Access to the CLI](#)
- [Change CLI Modes](#)
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- [Get Help on Command Syntax](#)
- [Customize the CLI](#)

Access the CLI

Use a terminal emulator, such as PuTTY, to connect to the CLI of a Palo Alto Networks device in one of the following ways:

- **SSH Connection**—To ensure you are logging in to your firewall and not a malicious device, you can [verify the SSH connection to the firewall](#) when you perform [initial configuration](#). After you have completed [initial configuration](#), you can establish a CLI connection over the network using a secure shell (SSH) connection.
- **Serial Connection**—If you have not yet completed initial configuration or if you chose not to enable SSH on the Palo Alto Networks device, you can establish a direct serial connection from a serial interface on your management computer to the Console port on the device.

STEP 1 | Launch the terminal emulation software and select the type of connection (Serial or SSH).

- To establish an SSH connection, enter the hostname or IP address of the device you want to connect to and set the port to **22**.
- To establish a Serial connection, connect a serial interface on management computer to the Console port on the device. Configure the Serial connection settings in the terminal emulation software as follows:
 - Data rate: **9600**
 - Data bits: **8**
 - Parity: **none**
 - Stop bits: **1**
 - Flow control: **none**

STEP 2 | When prompted to log in, enter your administrative username.

The default superuser username is **admin**. To set up CLI access for other administrative users, see [Give Administrators Access to the CLI](#).

If prompted to acknowledge the login banner, enter **Yes**.

STEP 3 | Enter the administrative password.

The default superuser password is **admin**. However, for security reasons you should immediately change the [admin password](#).

After you log in, the [message of the day](#) displays, followed by the CLI prompt in Operational mode:

```
username@hostname>
```

You can tell you are in operational mode because the command prompt ends with a >.

Verify SSH Connection to Firewall

Palo Alto Networks firewalls come with Secure Shell (SSH) preconfigured; firewalls can act as both an SSH server and an SSH client. You can verify your SSH connection to the management port of the firewall during remote access to ensure that, when you log in remotely, you are logging in to the firewall. You can also refresh the SSH keys and specify other options for the keys.

After you initially log in through the console to the command-line interface (CLI), the firewall boots up and displays six fingerprints (hashed SSH keys). When you then remotely access the management port on the firewall for the first time, the SSH client presents a fingerprint to you and it must match one of the fingerprints you noted from the console login. This match verifies that the firewall you access remotely is your firewall and that there is no malicious device between your device and the firewall intercepting Hello packets or presenting a false fingerprint.

You can also [Refresh SSH Keys and Configure Key Options for Management Interface Connection](#).



To ensure you are logging in to your firewall, perform this task when you first access your firewall remotely (when you [Perform Initial Configuration](#)) and whenever you change the default host key type or regenerate the host keys for the management port.

STEP 1 | **Perform Initial Configuration** and note the fingerprints that the firewall displays upon booting up.

When you connect to the console port (Step 3 of Perform Initial Configuration), the firewall boots up and displays SSH fingerprints. Make note of these fingerprints.

If the firewall is in FIPS-CC mode, it displays the fingerprints in sha1 hash in base64 encoding, as in the following example:

SSH Fingerprints

256 +nvDTw9G6FpjVRYCN7qYWMmZxB0 (ECDSA)

384 Slx984ndSKeRU+Y0kNh9R/4u8IM (ECDSA)

521 sph8wuC3Y/p6zvFr0sGnrzim3wo (ECDSA)

2048 kK3+bBRaJpJQOM+qE8Bl9SKCQPg (RSA)

3072 gtFBWm65/+D7dqUdDDc3P6hJu1g (RSA)

4096 CQnLFnMF1BfBwV7y5bhYQyawpcc (RSA)

If the firewall is in non-FIPS-CC mode, it displays the fingerprints in md5 hash in hex encoding, as in the following example:

SSH Public key fingerprints:

256 5c:73:5c:88:ea:ba:04:f7:9a:72:07:67:74:20:0c:09 (ECDSA)

384 f2:69:5c:0b:e2:26:e1:39:ca:2f:46:00:df:d5:aa:c0 (ECDSA)

521 8f:00:fa:d0:b9:a5:c5:4d:9d:f5:cd:0d:2c:86:99:25 (ECDSA)

2048 0c:01:69:54:1e:21:08:9d:65:37:3b:50:4a:03:70:d6 (RSA)

3072 1f:ae:d8:1a:b6:8d:9a:4b:c2:fd:74:ca:dc:4f:ca:19 (RSA)

4096 38:88:fb:62:07:19:cf:89:88:a0:6d:22:4b:fa:f4:23 (RSA)

STEP 2 | **(Optional)** Display fingerprints from the SSH server (the firewall).

Display the fingerprints using the CLI if you forgot to note the fingerprints that the SSH server displayed upon boot up or if you regenerated a host key or changed your default host key type. To effectively compare fingerprints, specify the same format that your SSH client uses

(the device from which you will remotely log in): either **base64** or **hex** format, and hash-type format of **md5**, **sha1**, or **sha256**.



There is no md5 hash type in FIPS-CC mode.

The following example displays SSH server fingerprints in hex format and md5 hash type.

```
admin@PA-3060> show ssh-fingerprints format hex hash-type md5
```

SSH Public key fingerprints:

```
256 5c:73:5c:88:ea:ba:04:f7:9a:72:07:67:74:20:0c:09 (ECDSA)
```

```
384 f2:69:5c:0b:e2:26:e1:39:ca:2f:46:00:df:d5:aa:c0 (ECDSA)
```

```
521 8f:00:fa:d0:b9:a5:c5:4d:9d:f5:cd:0d:2c:86:99:25 (ECDSA)
```

```
2048 0c:01:69:54:1e:21:08:9d:65:37:3b:50:4a:03:70:d6 (RSA)
```

```
3072 1f:ae:d8:1a:b6:8d:9a:4b:c2:fd:74:ca:dc:4f:ca:19 (RSA)
```

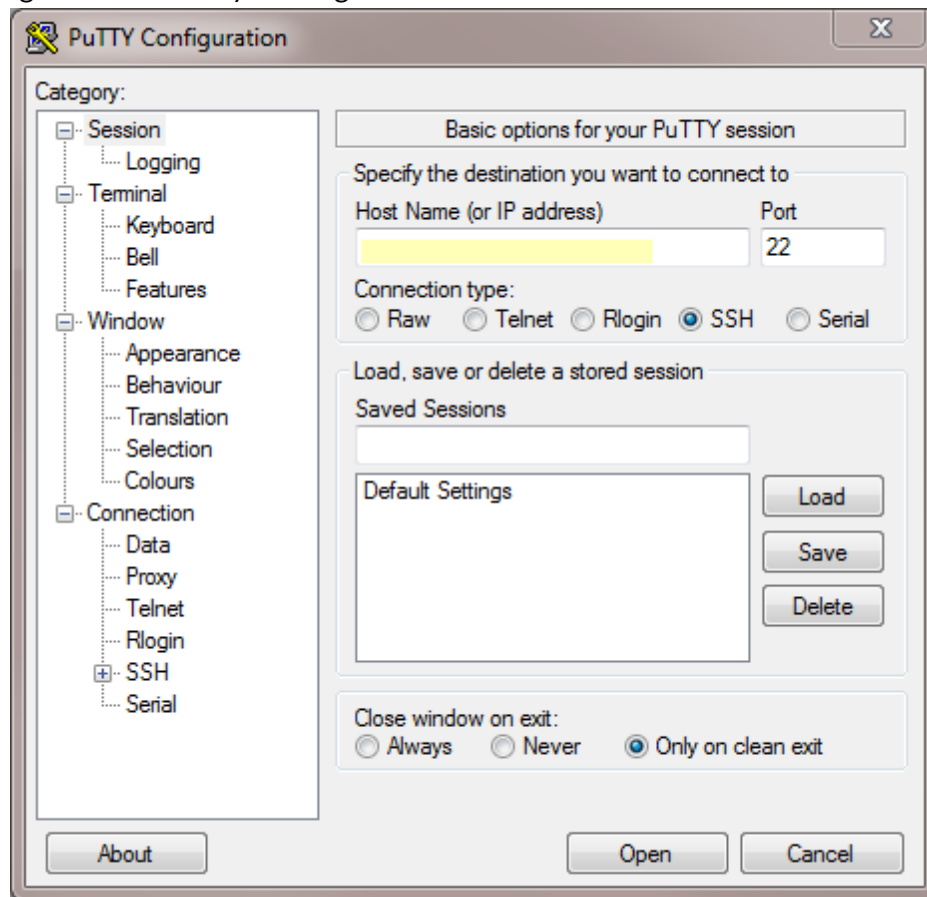
```
4096 38:88:fb:62:07:19:cf:89:88:a0:6d:22:4b:fa:f4:23 (RSA)
```

STEP 3 | Continue to [Perform Initial Configuration](#) on the firewall so that you assign an IP address to the management interface and commit your changes.

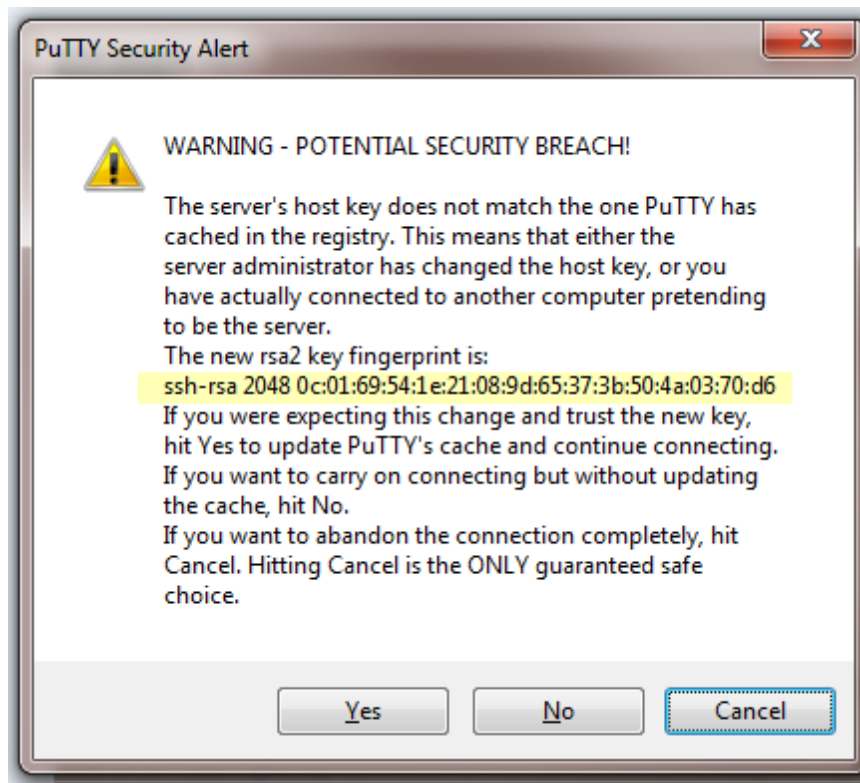
STEP 4 | Disconnect the firewall from your computer.

STEP 5 | Initiate remote access to the firewall and view the fingerprint.

Using terminal emulation software, such as PuTTY, launch an SSH management session to the firewall using the IP address you assigned to it.



Before you can proceed with the connection, the SSH client presents a fingerprint as in the following example:



If you have already logged in to the firewall (and have not changed the key), the SSH client already has the key stored in its database and therefore doesn't present a fingerprint.

STEP 6 | Verify matching fingerprints.

1. Verify that the fingerprint that the SSH client (PuTTY) presented matches one of the fingerprints you noted from logging in to the console port in the first step.
2. A match verifies that the firewall you remotely accessed is the same firewall you connected to on the console port. You typically want the SSH client to update its cache, so respond to the warning with **Yes** to continue connecting. In this example, the fingerprint in the preceding graphic matches the RSA 2048 fingerprint from the SSH server (firewall) in Step 1 (and Step 2) of this procedure.

If there is no match or you receive a mismatch warning, you aren't connecting to the expected device; **Cancel** the connection attempt.

If you see a match but you don't want the SSH client to update its cache, respond with **No**, which allows you to continue connecting. Respond with **No** if the firewall is

configured with multiple default host keys and you want to connect using a specific host key without updating the SSH client cache.



To verify your SSH connection to the firewall after you have regenerated a host key or changed the default host key type, perform a procedure similar to this one, starting with logging in to the console port. In this case, Step 2 is required; execute the **show ssh-fingerprints** CLI command (with the applicable format and hash-type) and note the one fingerprint that displays. Omit Step 3 and continue with Step 4, finishing the rest of the procedure. Verify that the fingerprint from the SSH client matches the fingerprint you noted from Step 2.

Refresh SSH Keys and Configure Key Options for Management Interface Connection

When you [verify your Secure Shell \(SSH\) connection to the firewall](#), the verification uses SSH keys. To change the default host key type, generate a new pair of public and private SSH host keys, and configure other SSH settings, [create an SSH service profile](#).

The following examples show how to configure various SSH settings for a management SSH service profile after you [access the CLI](#). The settings marked as recommended provide a stronger security posture. (See [Refresh HA1 SSH Keys and Configure Key Options](#) for SSH HA profile examples.)



If you are using SSH to access the CLI of the firewall in FIPS-CC mode, you must set automatic rekeying parameters for session keys.



Palo Alto Networks allows you to specify only [recommended ciphers, key exchange algorithms, and message authentication algorithms](#) for the SSH configurations below.

*Also note that, to use the same SSH connection settings for each Dedicated Log Collector (M-Series or Panorama[™] virtual appliances in Log Collector mode) in a [Collector Group](#), you must configure an SSH service profile from the Panorama management server, **Commit** the changes to Panorama, and then **Push** the configuration to the Log Collectors. You can use the **set log-collector-group <name> general-setting management ssh** commands.*



Each of the following configuration steps includes a commit and an SSH service restart if you perform only one step (except when you create a profile without configuring any settings). Otherwise, you can set multiple SSH options and then commit your changes and restart SSH when you're done.

- Create an SSH service profile to exercise greater control over SSH connections to your management interface.

This example creates a Management - Server profile without configuring any settings.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name>**
3. admin@PA-3260# **commit**
4. admin@PA-3260# **exit**
5. To verify that the new profile has been created and view the settings for any existing profiles:
admin@PA-3260> **configure**
admin@PA-3260# **show deviceconfig system ssh profiles**

- (Optional) Set the SSH server to use only the specified encryption ciphers.

By default, SSH allows all supported ciphers for encryption of CLI management sessions. When you set one or more ciphers in an SSH service profile, the SSH server advertises only those ciphers while connecting and, if the SSH client tries to connect using a different cipher, the server terminates the connection.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> ciphers <cipher>**

aes128-cbc—AES 128-bit cipher with Cipher Block Chaining
aes128-ctr—AES 128-bit cipher with Counter Mode
aes128-gcm—AES 128-bit cipher with GCM (Galois/Counter Mode)
aes192-cbc—AES 192-bit cipher with Cipher Block Chaining
aes192-ctr—AES 192-bit cipher with Counter Mode
aes256-cbc—AES 256-bit cipher with Cipher Block Chaining
aes256-ctr—(Recommended) AES 256-bit cipher with Counter Mode
aes256-gcm—(Recommended) AES 256-bit cipher with GCM
3. admin@PA-3260# **commit**
4. admin@PA-3260# **exit**
5. admin@PA-3260> **set ssh service-restart mgmt**
6. To verify the ciphers have been updated:

admin@PA-3260> **configure**

admin@PA-3260# **show deviceconfig system ssh profiles mgmt-profiles server-profiles ciphers**

- (Optional) Set the default host key type.

The firewall uses a default host key type of RSA 2048 unless you change it. The SSH connection uses only the default host key type (not other host key types) to authenticate the firewall. You can change the default host key type; the choices are ECDSA (256, 384, or 521) or RSA (2048, 3072, or 4096).

Change the default host key type if you prefer a longer RSA key length or if you prefer ECDSA rather than RSA. This example sets the default host key type for a management profile to the

recommended ECDSA key of 256 bits. It also restarts SSH for the management connection so the new key type takes effect.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey key-type ECDSA 256**
3. admin@PA-3260# **commit**
4. admin@PA-3260# **exit**
5. admin@PA-3260> **set ssh service-restart mgmt**
6. To verify the host key has been updated:
admin@PA-3260> **configure**
admin@PA-3260# **show deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey**

- (Optional) Delete a cipher from the set of ciphers you selected to encrypt your CLI sessions.

This example deletes the AES CBC cipher with 128-bit key.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **delete deviceconfig system ssh profiles mgmt-profiles server-profiles <name> ciphers aes128-cbc**
3. admin@PA-3260# **commit**
4. admin@PA-3260# **exit**
5. admin@PA-3260> **set ssh service-restart mgmt**
6. To verify the cipher has been deleted:
admin@PA-3260> **configure**
admin@PA-3260# **show deviceconfig system ssh profiles mgmt-profiles server-profiles <name> ciphers**

- (Optional) Set the session key exchange algorithms the SSH server will support.

By default, the SSH server advertises all the key exchange algorithms to the SSH client.



If you are using an ECDSA default key type, best practice is to use an ECDH key algorithm.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> kex <value>**
diffie-hellman-group14-sha1—Diffie-Hellman group 14 with SHA1 hash
ecdh-sha2-nistp256—(Recommended) Elliptic-Curve Diffie-Hellman over National Institute of Standards and Technology (NIST) P-256 with SHA2-256 hash
ecdh-sha2-nistp384—(Recommended) Elliptic-Curve Diffie-Hellman over NIST P-384 with SHA2-384 hash
ecdh-sha2-nistp521—(Recommended) Elliptic-Curve Diffie-Hellman over NIST P-521 with SHA2-521 hash
3. admin@PA-3260# **commit**
4. admin@PA-3260# **exit**
5. admin@PA-3260> **set ssh service-restart mgmt**
6. To verify the key exchange algorithms have been updated:
admin@PA-3260> **configure**
admin@PA-3260# **show deviceconfig system ssh profiles mgmt-profiles server-profiles**

- (Optional) Set the message authentication codes (MAC) the SSH server will support.

By default, the server advertises all of the MAC algorithms to the client.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> mac <value>**
hmac-sha1—MAC with SHA1 cryptographic hash
hmac-sha2-256—(Recommended) MAC with SHA2-256 cryptographic hash
hmac-sha2-512—(Recommended) MAC with SHA2-512 cryptographic hash
3. admin@PA-3260# **commit**
4. admin@PA-3260# **exit**
5. admin@PA-3260> **set ssh service-restart mgmt**
6. To verify the MAC algorithms have been updated:
admin@PA-3260> **configure**
admin@PA-3260# **show deviceconfig system ssh profiles mgmt-profiles server-profiles**

- (Optional) Regenerate ECDSA or RSA host keys for SSH to replace the existing keys.

The remote device uses the host keys to authenticate the firewall. Regenerate your default host key at the frequency you determine necessary for security purposes. This example regenerates the ECDSA 256 default host key because that is the default host key type set in an earlier step.



Regenerating a host key does not change your default host key type. To regenerate the default host key you are using, you must specify your default host key type and length when you regenerate. Regenerating a host key that isn't your default host key type simply regenerates a key that you aren't using and therefore has no effect.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **set deviceconfig system ssh regenerate-hostkeys mgmt key-type ECDSA key-length 256**
3. admin@PA-3260# **commit**
4. admin@PA-3260> **exit**
5. admin@PA-3260> **set ssh service-restart mgmt**

- (Optional) Set rekey parameters to establish when automatic rekeying of the session keys occurs.

The session keys are used to encrypt traffic between the remote device and the management interface. The parameters you can set are data volume (in megabytes), time interval (seconds), and packet count. After any one rekey parameter reaches its configured value, SSH initiates a key exchange.

You can set a second or third parameter if you aren't sure the parameter you configured will reach its value as fast as you want rekeying to occur. The first parameter to reach its configured value will prompt a rekey, then the firewall will reset all rekey parameters.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey data 32**

Rekeying occurs after the volume of data (in megabytes) is transmitted following the previous rekey. The default is based on the cipher you use and ranges from 1GB to 4GB. The range is 10MB to 4,000MB. Alternatively, you can enter **set deviceconfig system ssh profiles mgmt-profiles server-profiles**

<name> session-rekey data default, which sets the data parameter to the default value of the individual cipher you are using.

3. admin@PA-3260# **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey interval 3600**

Rekeying occurs after the specified time interval (in seconds) passes following the previous rekey. By default, time-based rekeying is disabled (set to none). The range is 10 to 3,600.



If you are configuring the management interface in FIPS-CC mode, you must set a time interval within the range; you cannot leave it disabled.

4. admin@PA-3260# **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey packets 27**

Rekeying occurs after the defined number of packets (2^n) are transmitted following the previous rekey. For example, 14 configures that a maximum of 2^{14} packets are transmitted before a rekey occurs. The default is 2^{28} . The range is 12 to 27 (2^{12} to 2^{27}). Alternatively, you can enter **set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey packets default**, which sets the packets parameter to 2^{28} .



Choose rekeying parameters based on your type of traffic and network speeds (in addition to FIPS-CC requirements if they apply to you). Don't set the parameters so low that they affect SSH performance.

5. admin@PA-3260# **commit**
6. admin@PA-3260# **exit**
7. admin@PA-3260> **set ssh service-restart mgmt**
8. To verify the changes:

admin@PA-3260> **configure**

admin@PA-3260# **show deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey**

- Activate the profile by selecting the profile and restarting SSH service.

1. admin@PA-3260> **configure**
2. admin@PA-3260# **set deviceconfig system ssh mgmt server-profile <name>**
3. admin@PA-3260# **commit**
4. admin@PA-3260# **exit**
5. admin@PA-3260> **set ssh service-restart mgmt**
6. To verify the correct profile is in use:

admin@PA-3260> **configure**

admin@PA-3260# **show deviceconfig system ssh mgmt**

Give Administrators Access to the CLI

Administrative accounts specify roles and authentication methods for the administrators of Palo Alto Networks firewalls. Every Palo Alto Networks firewall has a predefined default administrative account (admin) that provides full read-write access (also known as superuser access) to the firewall. As a best practice, create an administrative account for each person who will be performing configuration tasks on the firewall or Panorama so that you have an audit trail of changes.

- [Administrative Privileges](#)
- [Set Up a Firewall Administrative Account and Assign CLI Privileges](#)
- [Set Up a Panorama Administrative Account and Assign CLI Privileges](#)

Administrative Privileges

Privilege levels determine which commands an administrator can run as well as what information is viewable. Each administrative role has an associated privilege level. You can use dynamic roles, which are predefined roles that provide default privilege levels. Or, you can create custom [firewall administrator roles](#) or [Panorama administrator roles](#) and assign one of the following CLI privilege levels to each role:



You must follow the [Best Practices for Securing Admin Access](#) to ensure that you are securing access to your management network in a way that will prevent successful attacks.

Privilege Level	Description
superuser	Has full access to the Palo Alto Networks device (firewall or Panorama) and can define new administrator accounts and virtual systems. You must have superuser privileges to create an administrative user with superuser privileges.
superreader	Has complete read-only access to the device.
vsysadmin	Has access to selected virtual systems (vsys) on the firewall to create and manage specific aspects of virtual systems. A virtual system administrator doesn't have access to network interfaces, VLANs, virtual wires, virtual routers, IPSec tunnels, GRE tunnels, DHCP, DNS Proxy, QoS, LLDP, or network profiles.
vsysreader	Has read-only access to selected virtual systems on the firewall and specific aspects of virtual systems. A virtual system administrator with read-only access doesn't have access to network interfaces, VLANs, virtual wires, virtual routers, IPSec tunnels, GRE tunnels, DHCP, DNS Proxy, QoS, LLDP, or network profiles.

Privilege Level	Description
deviceadmin	Has full access to all firewall settings except for defining new accounts or virtual systems.
devicereader	Has read-only access to all firewall settings except password profiles (no access) and administrator accounts (only the logged in account is visible).
panorama-admin	Has full access to Panorama except for the following actions: <ul style="list-style-type: none">• Create, modify, or delete Panorama or device administrators and roles.• Export, validate, revert, save, load, or import a configuration.• Schedule configuration exports.

Set Up a Firewall Administrative Account and Assign CLI Privileges

To [set up a custom firewall administrative role](#) and assign CLI privileges, use the following workflow:

STEP 1 | Configure an Admin Role profile.

1. Select **Device** > **Admin Roles** and then click **Add**.
2. Enter a **Name** to identify the role.
3. For the scope of the **Role**, select **Device** or **Virtual System**.
4. Define access to the **Command Line**:
 - **Device** role—**superuser**, **superreader**, **deviceadmin**, **devicereader**, or **None**.
 - **Virtual System** role—**vsysadmin**, **vsysreader**, or **None**.
5. Click **OK** to save the profile.

STEP 2 | Configure an administrator account.

1. Select **Device** > **Administrators** and click **Add**.
2. Enter a user **Name**. If you will use local database authentication, this must match the name of a user account in the local database.
3. If you configured an **Authentication Profile** or authentication sequence for the user, select it in the drop-down. If you select **None**, you must enter a **Password** and **Confirm Password**.
4. If you configured a custom role for the user, set the **Administrator Type** to **Role Based** and select the Admin Role **Profile**. Otherwise, set the **Administrator Type** to **Dynamic** and select a dynamic role.
5. Click **OK** and **Commit**.

Set Up a Panorama Administrative Account and Assign CLI Privileges

To [set up a custom Panorama administrative role](#) and assign CLI privileges, use the following workflow:

STEP 1 | Configure an Admin Role profile.

1. Select **Panorama > Admin Roles** and then click **Add**.
2. Enter a **Name** to identify the role.
3. For the scope of the **Role**, select **Panorama**.
4. Select the **Command Line** tab and select an access level: **superuser**, **superreader**, **panorama-admin**, or **None**.
5. Click **OK** to save the profile.

STEP 2 | Configure an administrator account.

1. Select **Panorama > Administrators** and click **Add**.
2. Enter a user **Name**.
3. If you configured an **Authentication Profile** or authentication sequence for the user, select it in the drop-down. If you select **None**, you must enter a **Password** and **Confirm Password**.
4. If you configured a custom role for the user, set the **Administrator Type** to **Custom Panorama Admin** and select the Admin Role **Profile**. Otherwise, set the **Administrator Type** to **Dynamic** and select a dynamic **Admin Role**.
5. Click **OK** and **Commit**, for the **Commit Type** select **Panorama**, and click **Commit** again.

Change CLI Modes

The CLI provides two command modes:

- **Operational**—Use operational mode to view information about the firewall and the traffic running through it or to view information about Panorama or a Log Collector. Additionally, use operational mode commands to perform operations such as restarting, loading a configuration, or shutting down. When you log in, the CLI opens in operational mode.
- **Configuration**—Use configuration mode to view and modify the configuration.

You can switch between operational and configuration modes at any time, as follows:

- To switch from operational mode to configuration mode:

```
username@hostname> configure
Entering configuration mode
[edit]
username@hostname#
```

Notice that the command prompt changes from a > to a #, indicating that you successfully changed modes.

- To switch from configuration mode to operational mode, use either the **quit** or **exit** command:

```
username@hostname# quit
Exiting configuration mode
username@hostname>
```

- To enter an operational mode command while in configuration mode, use the **run** command, for example:

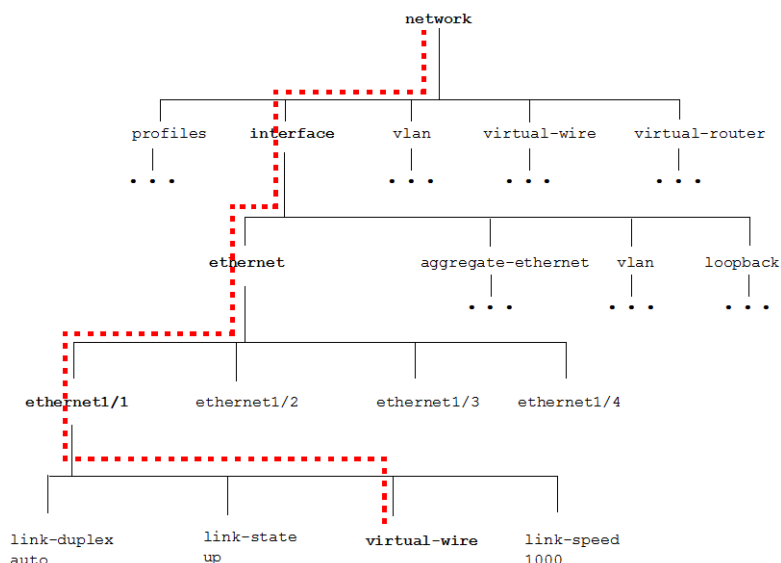
```
username@hostname# run ping host 10.1.1.2
PING 10.1.1.2 (10.1.1.2) 56(84) bytes of data
...
username@hostname#
```


Navigate the CLI

CLI commands are organized in a hierarchical structure. To display a segment of the current hierarchy, use the **show** command. Entering **show** displays the complete hierarchy, while entering **show** with keywords displays a segment of the hierarchy.

For example, the following command displays the configuration hierarchy for the Ethernet interface segment of the hierarchy:

```
username@hostname>
configure
Entering configuration mode
[edit]
username@hostname#
show network interface ethernet
ethernet {
  ethernet1/1 {
    virtual-wire;
  }
  ethernet1/2 {
    virtual-wire;
  }
  ethernet1/3 {
    layer2 {
      units {
        ethernet1/3.1;
      }
    }
  }
  ethernet1/4;
}
[edit]
username@hostname#
```



Find a Command

The **find command** helps you find a command when you don't know where to start looking in the hierarchy. The command—which is available in all CLI modes—has two forms. Used alone, **find command** displays the entire command hierarchy. Used with the **keyword** parameter, find command keyword displays all commands that contain the specified keyword.



You can also view a complete listing of all [Operational Commands and Configure Commands](#) or view the [CLI Changes in PAN-OS 10.1](#).

- [View the Entire Command Hierarchy](#)
- [Find a Specific Command Using a Keyword Search](#)

View the Entire Command Hierarchy

Use **find command** without any parameters to display the entire command hierarchy in the current command mode. For example, running this command from operational mode on a VM-Series Palo Alto Networks device yields the following (partial result):

```
username@hostname> find command
target set <value>
target show
schedule uar-report user <value> user-group <value> skip-detailed-
browsing <yes|no> title <value> period <value> start-time <value>
end-time <value> vsys <value>
schedule botnet-report period <last-calendar-day|last-24-hrs> topn
<1-500> query <value>
clear arp <value>|<all>
clear neighbor <value>|<all>
clear mac <value>|<all>
clear job id <0-4294967295>
clear query id <0-4294967295>
clear query all-by-session
clear report id <0-4294967295>
clear report all-by-session
clear report cache
clear log traffic
clear log threat
clear log config
clear log system
clear log alarm
clear log acc
clear log hipmatch
clear log userid
clear log iptag
clear wildfire counters
clear counter interface
clear counter global name <value>
clear counter global filter category <value> severity <value> aspect
<value> pac
ket-filter <yes|no>
clear counter all
```

```

clear session id <1-4294967295>
clear session all filter nat <none|source|destination|both> ssl-
decrypt <yes|no> type <flow|predict> state <initial|opening|active|
discard|closing|closed> from <value> to <value> source <ip/netmask>
destination <ip/netmask> source-user <value> destination-user
<value> source-port <1-65535> destination-port <1-65535> protocol
<1-255> application <value> rule <value> nat-rule <value> qos-rule
<value> pbf-rule <value> dos-rule <value> hw-interface <value> min-
kb <1-1048576> qos-node-id <0-5000>|<-2> qos-class <1-8> vsys-name
<value>|<any>
clear application-signature statistics
clear nat-rule-cache rule <value>
clear statistics
clear high-availability control-link statistics
clear high-availability transitions
clear vpn ike-sa gateway <value>
clear vpn ipsec-sa tunnel <value>
clear vpn ike-preferred-version gateway <value>
clear vpn ike-hashurl
clear vpn flow tunnel-id <1-2147483648>
clear dhcp lease all expired-only
clear dhcp lease interface clear dhcp lease interface <name> ip <ip/
netmask>
:

```

Find a Specific Command Using a Keyword Search

Use **find command keyword** to locate all commands that have a specified keyword.

```
username@hostname# find command keyword <keyword>
```

For example, suppose you want to configure certificate authentication and you want the Palo Alto Networks device to get the username from a field in the certificate, but you don't know the command. In this case you might use **find command keyword** to search for commands that contain username in the command syntax.

```
username@hostname > configure
```

```

Entering configuration mode
[edit]
username@hostname # find command keyword username
show shared certificate-profile <name> username-field
set deviceconfig system log-export-schedule <name> protocol ftp
username <value>
set deviceconfig system log-export-schedule <name> protocol scp
username <value>
set deviceconfig setting wildfire session-info-select exclude-
username <yes|no>
set mgt-config password-complexity block-username-inclusion <yes|no>
set network interface ethernet <name> layer3 pppoe username <value>

```

```
set shared authentication-profile <name> username-modifier <value>|
<validate>|<%USERINPUT%|%USERINPUT%@%USERDOMAIN%|%USERDOMAIN%\
%USERINPUT%>
set shared certificate-profile <name> username-field
set shared certificate-profile <name> username-field subject <common-
name>
set shared certificate-profile <name> username-field subject-alt
<email|principal-name>
set vm-info-source <name> VMware-ESXi username <value>
set vm-info-source <name> VMware-vCenter username <value>
set user-id-collector setting ntlm-username <value>
set user-id-collector syslog-parse-profile <name> regex-identifier
username-regex <value>
set user-id-collector syslog-parse-profile <name> field-identifier
username-prefix <value>
set user-id-collector syslog-parse-profile <name> field-identifier
username-delimiter <value>
[edit]
username@hostname #
```

From the resulting lists of commands, you can identify that the command you need is:

```
username@hostname # set shared certificate-profile <name> username-
field
```

If you're not sure exactly what to enter in the command line, you can then [Get Help on Command Syntax](#).

Get Help on Command Syntax

After you [Find a Command](#) you can get help on the specific command syntax by using the built-in CLI help. To get help, enter a `?` at any level of the hierarchy.

- [Get Help on a Command](#)
- [Interpret the Command Help](#)

Get Help on a Command

For example, suppose you want to configure the primary DNS server settings on the Palo Alto Networks device using **find command keyword** with **dns** as the keyword value, you already know that the command is **set deviceconfig system dns-setting**, but you're not exactly sure how to use the command to set the primary DNS server setting. In this case, you would enter as much of the command as you know (or start typing it and press Tab for automatic command completion), and then add a question mark at the end of the line before pressing Enter, like this:

```
username@hostname# set deviceconfig system dns-setting ?
> dns-proxy-object Dns proxy object to use for resolving fqdns
> servers Primary and secondary dns servers
<Enter> Finish input
```

Notice that the question mark doesn't appear in the command line when you type it, but a list of the available commands appears. You can continue getting syntactical help all through the hierarchy:

```
username@hostname# set deviceconfig system dns-setting servers ?
+ primary Primary DNS server IP address
+ secondary Secondary DNS server IP address
  <Enter> Finish input

username@hostname# set deviceconfig system dns-setting servers
  primary ?
  <ip> <ip>
```



*Use the Tab key in the middle of entering a command and the command will automatically complete, provided there are no other commands that match the letters you have typed thus far. For example, if you type **set dev** and then press Tab, the CLI will recognize that the command you are entering is **deviceconfig** and automatically finish populating the command line.*

Interpret the Command Help

Use the following table to help interpret the command options you see when you use the `?` to get help.

Symbol	Description
*	<p>Indicates that the option is required.</p> <p>For example, when importing a configuration over secure copy (SCP), specifying the from parameter is required, as indicated by the * from notation.</p> <pre> username@hostname#> scp import configuration ? + remote-port SSH port number on remote host + source-ip Set source address to specified i nterface address * from Source (username@host:path) </pre>
>	<p>Indicates that there are additional nested commands.</p> <p>For example, when configuring DNS settings, there are additional nested commands for configuring a DNS proxy object and for specifying primary and secondary DNS servers:</p> <pre> username@hostname# set deviceconfig system dns-se tting ? > dns-proxy-object Dns proxy object to use for resolving fqdns > servers Primary and secondary dns se rvers <Enter> Finish input </pre>
+	<p>Indicates that the option has an associated value that you must enter.</p> <p>For example, when setting up a high availability configuration, notice that the + enabled notation indicates that you must supply a value for this option:</p> <pre> username@hostname# set deviceconfig high-availabi lity ? + enabled enabled > group HA group configuration > interface HA interface configuration <Enter> Finish input Getting help for the enabled option shows that yo u must enter a value of yes or no: admin@PA-3060# set deviceconfig high-availability enabled ? no no yes yes </pre>
	<p>Allows you to filter command output. You can either specify a match value, which will only show command output that matches the value</p>

Symbol	Description
	<p>you specify, or you can specify an except value, which will only show command output except for the value you specify.</p> <p>For example, use the match option to display only the app-version in the output of the show system info command:</p> <pre>username@hostname> show system info match app-version app-version: 8087-5126</pre> <p>Similarly, to show all users in your group lists who are not part of your organization, you should show the user group list, but exclude the organizational unit (ou) for your organization. Notice that, although there are a total of 4555 user-to-group mappings, with the except filter you can easily see the small list of users who are part of external groups:</p> <pre>username@hostname> show user group list except ou=acme cn=sap_globaladmin,cn=users,dc=acme,dc=local cn=dnupdateproxy,ou=admin groups,ou=administrator accounts,dc=acme,dc=local cn=dhcp administrators,ou=admin groups,ou=administrator accounts,dc=acme,dc=local cn=helpservicesgroup,cn=users,dc=acme,dc=local cn=exchange domain servers,cn=users,dc=acme,dc=local cn=network configuration operators,cn=builtin,dc=acme,dc=local cn=dhcp users,ou=admin groups,ou=administrator accounts,dc=acme,dc=local cn=exchange windows permissions,ou=microsoft exchange security groups,dc=acme,dc=local cn=wins users,cn=users,dc=acme,dc=local cn=enterprise read-only domain controllers,cn=users,dc=acme,dc=local cn=print-server-admins,ou=admin groups,ou=administrator accounts,dc=acme,dc=local cn=telnetclients,cn=users,dc=acme,dc=local cn=servicenowpasswordreset,ou=admin groups,ou=administrator accounts,dc=acme,dc=local cn=delegated setup,ou=microsoft exchange security groups,dc=acme,dc=local Total: 4555 * : Custom Group </result></response> username@hostname></pre>

Customize the CLI

- Specify how long an administrative session to the management interface (CLI or web interface) can remain idle before logging the administrator out:

```
username@hostname# set deviceconfig setting management idle-
timeout ?
0          never
<value>    <1-1440>
```



If you want to set the CLI timeout value to a value different from the global **management idle-timeout** value, use the **set cli timeout** command in operational mode.

- Specify the format for command output:

```
username@hostname> set cli config-output-format ?
default      default
json         json
set          set
xml          xml
```

For example, in the default setting the config-output-format looks like this:

```
username@hostname# show deviceconfig system dns-setting servers
servers {
  primary 1.2.3.4;
  secondary 1.2.3.5;
}
```

Changing the setting to **set** results in output that looks like this:

```
username@hostname# show deviceconfig system dns-setting servers
set deviceconfig system dns-setting servers primary 1.2.3.4
set deviceconfig system dns-setting servers secondary 1.2.3.5
[edit]
[edit]
```

Changing the setting to **xml** results in output that looks like this:

```
username@hostname# show deviceconfig system dns-setting servers
<response status="success" code="19">
  <result total-count="1" count="1">
    <servers>
      <primary>1.2.3.4</primary>
      <secondary>1.2.3.5</secondary>
    </servers>
```

```
</result>  
</response>
```

- Switch to scripting mode. In scripting mode, you can copy and paste commands from a text file directly into the CLI. Although you can do this without scripting-mode enabled (up to 20 lines). If you cut-and-paste a block of text into the CLI, examine the output of the lines you pasted. If you see lines that are truncated or generate errors, you may have to re-paste a smaller section of text, or switch to **scripting-mode**:

```
username@hostname> set cli scripting-mode on
```



*When in scripting-mode, you cannot use Tab to complete commands or use ? to get help on command syntax. When you are done pasting commands, switch back to regular mode using the **set cli scripting-mode off** command.*

Use the CLI

Now that you know how to [Find a Command](#) and [Get Help on Command Syntax](#), you are ready to start using the CLI to manage your Palo Alto Networks firewalls or Panorama. The following topics describe how to use the CLI to view information about the device and how to modify the configuration of the device. In addition, more advanced topics show how to import partial configurations and how to use the test commands to validate that a configuration is working as expected.

- [View Settings and Statistics](#)
- [Modify the Configuration](#)
- [Commit Configuration Changes](#)
- [Test the Configuration](#)
- [Load Configurations](#)
- [Use Secure Copy to Import and Export Files](#)
- [CLI Jump Start](#)

View Settings and Statistics

Use **show** commands to view configuration settings and statistics about the performance of the firewall or Panorama and about the traffic and threats identified on the firewall. You can use **show** commands in both Operational and Configure mode. For example, the **show system info** command shows information about the device itself:

```
admin@PA-850> show system info

hostname: PA-850
ip-address: 10.10.10.23
public-ip-address: unknown
netmask: 255.255.255.0
default-gateway: 10.10.10.1
ip-assignment: static
ipv6-address: unknown
ipv6-link-local-address: fe80::d6f4:beff:febe:ba00/64
ipv6-default-gateway:
mac-address: d4:f4:be:be:ba:00
time: Tue Feb 12 08:40:09 2019
uptime: 6 days, 11:51:18
family: 800
model: PA-850
serial: 011901000300
cloud-mode: non-cloud
sw-version: 9.0.0-c300
global-protect-client-package-version: 0.0.0
app-version: 8114-5254
app-release-date: 2019/01/16 15:14:11 PST
av-version: 2860-3370
av-release-date: 2019/01/16 10:05:59 PST
threat-version: 8114-5254
threat-release-date: 2019/01/16 15:14:11 PST
wf-private-version: 0
wf-private-release-date: unknown
url-db: paloaltonetworks
wildfire-version: 314895-317564
wildfire-release-date: 2019/01/16 18:20:09 PST
url-filtering-version: 20190201.20201
global-protect-datafile-version: unknown
global-protect-datafile-release-date: unknown
global-protect-clientless-vpn-version: 0
global-protect-clientless-vpn-release-date:
logdb-version: 9.0.10
platform-family: 800
vpn-disable-mode: off
multi-vsyz: off
operational-mode: normal

admin@PA-3220>
```

The **show session info** command shows details about the sessions running through the Palo Alto Networks device.

```
admin@PA-850> show session info
```

```
target-dp: *.dp0
```

```
-----
Number of sessions supported: 196606
Number of allocated sessions: 0
Number of active TCP sessions: 0
Number of active UDP sessions: 0
Number of active ICMP sessions: 0
Number of active GTPc sessions: 0
Number of active GTPu sessions: 0
Number of pending GTPu sessions: 0
Number of active BCAST sessions: 0
Number of active MCAST sessions: 0
Number of active predict sessions: 0
Number of active SCTP sessions: 0
Number of active SCTP associations: 0
Session table utilization: 0%
Number of sessions created since bootup: 5044051
Packet rate: 0/s
Throughput: 0 kbps
New connection establish rate: 0 cps
-----
```

```
-----
Session timeout
TCP default timeout: 3600 secs
TCP session timeout before SYN-ACK received: 5 secs
TCP session timeout before 3-way handshaking: 10 secs
TCP half-closed session timeout: 120 secs
TCP session timeout in TIME_WAIT: 15 secs
TCP session delayed ack timeout: 250
millisecs
TCP session timeout for unverified RST: 30 secs
UDP default timeout: 30 secs
ICMP default timeout: 6 secs
SCTP default timeout: 3600 secs
SCTP timeout before INIT-ACK received: 5 secs
SCTP timeout before COOKIE received: 60 secs
SCTP timeout before SHUTDOWN received: 30 secs
other IP default timeout: 30 secs
Captive Portal session timeout: 30 secs
Session timeout in discard state:
TCP: 90 secs, UDP: 60 secs, SCTP: 60 secs, other IP
protocols: 60 secs
-----
```

```
-----
Session accelerated aging: True
Accelerated aging threshold: 80% of
utilization
Scaling factor: 2 X
-----
```

```
-----  
Session setup  
  TCP - reject non-SYN first packet:      True  
  Hardware session offloading:            True  
  Hardware UDP session offloading:        True  
  IPv6 firewalling:                       True  
  Strict TCP/IP checksum:                 True  
  Strict TCP RST sequence:                 True  
  Reject TCP small initial window:        False  
  ICMP Unreachable Packet Rate:           200 pps  
-----
```

```
-----  
Application trickling scan parameters:  
  Timeout to determine application trickling: 10 secs  
  Resource utilization threshold to start scan: 80%  
  Scan scaling factor over regular aging:    8  
-----
```

```
-----  
Session behavior when resource limit is reached: drop  
-----
```

```
-----  
Pcap token bucket rate : 10485760  
-----
```

```
-----  
Max pending queued mcast packets per session : 0  
-----
```


Modify the Configuration

You can also modify the device configuration from the CLI using the **set**, **delete**, and **edit** commands (if your administrative role has a [Privilege Level](#) that allows you to write to the configuration). In most cases you must be in Configure mode to modify the configuration.

- To change the value of a setting, use a **set** command. For example, to configure an NTP server, you would enter the complete hierarchy to the NTP server setting followed by the value you want to set:

```
admin@PA-3060# set deviceconfig system ntp-servers primary-ntp-server ntp-server-address pool.ntp.org
```



To target a command to a specific virtual system (vsys), enter the following operational mode command: **set system setting target-vsys <vsys-name>**. To go back to issuing commands that apply to the firewall instead of the targeted vsys, use **set system target-vsys none**.

- To change to a different location in the configuration hierarchy and/or to modify a setting, use the **edit** command. The **edit** commands are very similar to the **set** commands, except that when you enter an **edit** command, you switch context to the corresponding node in the command hierarchy. This can be useful if you need to enter several commands in a node that is nested far down in the command hierarchy. For example, if you want to configure all of the NTP server settings, instead of entering the full command syntax each time using the **set** command, you could use the **edit** command to move to the **ntp-servers** node as follows:

```
[edit]
admin@PA-3060# edit deviceconfig system ntp-servers
[edit deviceconfig system ntp-servers]
admin@PA-3060#
```

Notice that when you enter the command, your new location in the command hierarchy is displayed. You can now use the **set** command to configure the NTP server settings without entering the entire command hierarchy:

```
admin@PA-3060# set secondary-ntp-server ntp-server-address 10.1.2.3
```



Use the **up** command to move up a level in the command hierarchy. Use the **top** command to move back to the top of the command hierarchy.

- To delete an existing configuration setting, use a `delete` command. For example, to delete the secondary NTP server address, you would enter the following command:

```
admin@PA-3060# delete deviceconfig system ntp-servers secondary-ntp-server ntp-server-address
```

- When deleting configuration settings or objects using the CLI, the device does not check for dependencies like it does in the web interface. Therefore, when you use `delete` from the CLI, you must manually search the configuration for other places where the configuration object might be referenced. For example, before you delete an application filter group named `browser-based business`, you should search the CLI for that value to see if it is used anywhere in profiles or policies, using the following command:

```
admin@PA-3060> show config running | match "browser-based business"
```

Notice that because the object you are matching on has a space in it, you must enclose it in quotation marks.

Commit Configuration Changes

Any change in the Palo Alto Networks device configuration is first written to the candidate configuration. The change only takes effect on the device when you commit it. Committing a configuration applies the change to the running configuration, which is the configuration that the device actively uses. Upon commit, the device performs both a syntactic validation (of configuration syntax) and a semantic validation (whether the configuration is complete and makes sense). As a best practice, **validate** configuration changes prior to committing so that you can fix any errors that will cause a commit failure, thereby ensuring that the commit will succeed. This is particularly useful in environments with a strict change window.

The firewall and Panorama queue commit operations so that you can initiate a new commit while a previous commit is in progress. The firewall and Panorama perform commits in the order you and other administrators initiate them but prioritize automatic commits such as content database installations and FQDN refreshes. If the queue already has the maximum number of administrator-initiated commits (this varies by appliance model), the firewall or Panorama must begin processing a commit (remove it from the queue) before you can initiate a new commit.



To see details (such as queue positions or Job-IDs) about commits that are pending, in progress, completed, or failed, run the operational command **show jobs all**. To see the messages and description for a particular commit, run **show jobs id <job-id>**.

STEP 1 | (Optional but recommended) Validate the configuration:

1. Enter the validate command:

```
admin@PA-3060> configure
admin@PA-3060# validate full
Validate job enqueued with jobid 3041
3041
```

2. View the validation results using the job ID that was displayed when you entered the validate command. Verify that the job finished (FIN) and that the configuration is valid as shown in the following example:

```
[edit]
admin@PA-3060# exit
Exiting configuration mode
admin@PA-3060> show jobs id 3041
```

Enqueued	Dequeued	ID	Type	Status	Result
2015/05/18 14:00:40	14:00:40	3041	Validate	FIN	OK 14:01:11

Warnings:EBL(vsys1/Palo Alto Networks Malicious IP List)
Unable to fetch external list. Using old copy for refresh.
vsys1 (vsys1)
vsys1: Rule 'rule1' application dependency warning:
Application 'propalms' requires 'web-browsing' be allowed
Application 'open-vpn' requires 'ssl' be allowed

```

Application 'open-vpn' requires 'web-browsing' be
allowed
Application 'files.to' requires 'web-browsing' be
allowed
Application 'gigaup' requires 'ftp' be allowed
Application 'dazhihui' requires 'web-browsing' be
allowed
Application 'fasp' requires 'ssh' be allowed
Application 'vidsoft' requires 'web-browsing' be
allowed
Application 'ipp' requires 'web-browsing' be allowed
Application 'flexnet-installanywhere' requires 'web-
browsing' be allowed
(Module: device)
Details:Configuration is valid

```

3. If the validation fails, fix any errors and then repeat steps 1 and 2.

STEP 2 | After successfully validating the configuration, save it to the running configuration by performing a commit of all or a portion of the configuration:

- Commit the entire configuration:

```

admin@PA-3060> configure
admin@PA-3060# commit

```

- Commit part of the configuration on a firewall with multiple virtual systems:

```

admin@PA-3060# commit partial ?
+ description      Enter commit description
+ device-and-network  device-and-network
+ shared-object     shared-object
> admin            admin
> no-vsyz          no-vsyz
> vsyz             vsyz
<Enter>           Finish input

```

When doing a partial commit from the CLI, you must specify what part of the configuration to exclude from the commit. You can also filter the configuration changes by administrator. For example, the following command commits only the changes that an administrator with the username jsmith made to the vsys1 configuration and to shared objects:

```

admin@PA-3060# commit partial admin jsmith vsys vsys1 device-and-
network excluded

```

- Commit part of the configuration on a firewall that does not have multiple virtual systems mode enabled:

```

admin@PA-220# commit partial ?
+ description      Enter commit description
+ device-and-network  device-and-network
+ policy-and-objects  policy-and-objects
+ shared-object     shared-object

```

```
> admin          admin
<Enter>         Finish input
```

For example, if you made a change in the Security policy only, you might want to commit just the policy and objects portion of the configuration as follows:

```
admin@PA-220# commit partial device-and-network excluded
```



If the commit takes a long time, you can press Ctrl+C to access the command line while the commit continues as a background process.

Test the Configuration

Use the CLI-only **test** commands to test that your configuration works as expected. For example, you can test that your policy rulebases are working as expected, that your authentication configuration will enable the Palo Alto Networks device to successfully connect to authentication services, that a custom URL category matches expected sites, that your IPSec/IKE VPN settings are configured properly, that your User-ID syslog parsing profiles are working properly, and many more things.

The following sections show examples of how to use some of the **test** commands:

- [Test the Authentication Configuration](#)
- [Test Policy Matches](#)

Test the Authentication Configuration

Use the **test authentication** command to determine if your firewall or Panorama management server can communicate with a back-end authentication server and if the authentication request was successful. You can additionally test authentication profiles used for GlobalProtect and Captive Portal authentication. You can perform authentication tests on the candidate configuration, so that you know the configuration is correct before committing.

Connectivity testing is supported for local database authentication and for external authentication servers that use multi-factor authentication (MFA), RADIUS, TACACS+, LDAP, Kerberos, or SAML.

STEP 1 | (**Vsys-specific authentication profiles only**) Specify which virtual system contains the authentication profile you want to test. This is only necessary if you are testing an authentication profile that is specific to a single virtual system (that is, you do not need to do this if the authentication profile is shared).

```
admin@PA-3060> set system setting target-vsys <vsys-name>
```

For example, to test an authentication profile in vsys2 you would enter the following command:

```
admin@PA-3060> set system setting target-vsys vsys2
```



*The **set system setting target-vsys** command is not persistent across sessions.*

STEP 2 | Test an authentication profile by entering the following command:

```
admin@PA-3060> test authentication authentication-  
profile <authentication-profile-name> username <username> password
```

You will be prompted for the password associated with the user account.



*Profile names are case-sensitive. Also, if the authentication profile has a username modifier defined, you must enter it with the username. For example, if the username modifier is %USERINPUT%@%USERDOMAIN%, for a user named bzobrist in domain acme.com, you would need to enter **bzobrist@acme.com** as the username.*

For example, run the following command to test connectivity with a Kerberos server defined in an authentication profile named Corp, using the login for the LDAP user credentials for user bzobrist:

```
admin@PA-3060> test authentication authentication-profile Corp  
username bzobrist password  
Enter password :  
  
Target vsys is not specified, user "bzobrist" is assumed to be  
configured with a  
shared auth profile.  
  
Do allow list check before sending out authentication request...  
name "bzobrist" is in group "all"  
  
Authentication to KERBEROS server at '10.1.2.10' for user  
'bzobrist'  
Realm: 'ACME.LOCAL'  
Egress: 10.55.0.21  
KERBEROS configuration file is created  
KERBEROS authcontext is created. Now authenticating ...  
Kerberos principal is created  
Sending authentication request to KDC...  
Authentication succeeded!  
  
Authentication succeeded for user "bzobrist"
```

Test Policy Matches

You can use **test** commands to verify that your policies are working as expected.

- Test a security policy rule.

Use the **test security-policy-match** command to determine whether a security policy rule is configured correctly. For example, suppose you have a user mcanha in your marketing department who is responsible for posting company updates to Twitter. Instead of adding a new rule just for that user, you want to test whether twitter will be allowed via an existing rule.

By running the following test command, you can see that the user mcanha is indeed allowed to post to twitter based on your existing Allowed Personal Apps security policy rule:

```
admin@PA-3060> test security-policy-match application twitter-
posting source-user acme\mcanha destination 199.59.150.7
destination-port 80 source 10.40.14.197 protocol 6

"Allowed Personal Apps" {
    from trust;
    source any;
    source-region none;
    to untrust;
    destination any;
    destination-region none;
    user any;
    category any;
    application/service [ twitter-posting/tcp/any/80 twitter-
posting/tcp/any/443 finger/tcp/any/79 finger/udp/any/79 irc-base/
tcp/any/6665-6669 vidsoft/tcp/any/51222 vidsoft/tcp/any/80 vidsoft/
tcp/any/443 vidsoft/tcp/any/1853 vidsoft/udp/any/51222 vidsoft/
udp/any/1853 rtsp/tcp/any/554 rtsp/udp/any/554 kkbox/tcp/any/80
yahoo-mail/tcp/any/80 yahoo-mail/tcp/any/143 0 msn-base/tcp/
any/443 msn-base/tcp/any/1863 msn-base/tcp/any/7001 msn-base/udp/
any/7001 ebuddy/tcp/any/80 gmail-base/tcp/any/80 gmail-base/tcp/
any/443 hovrs/tcp/any/443 hov application/service(implicit) [ http/
tcp/any/80 http/tcp/any/443 http/tcp/any/6788 http/tcp/any/6789
http/tcp/any/7456 http/tcp/any/8687 http/tcp/any/9100 http/tcp/
any/9200 http/udp/any/1513 http/udp/any/1514 jabber/tcp/any/any
jabber/tcp/any/80 jabber/tcp/any/443 jabber/tcp/any/5228 jabber/
tcp/any/25553 jabber/udp/any/any stun/tcp/any/any stun/tcp/any/3158
stun/udp/any/any web-browsing/any/any/any web-browsing/tcp/any/any
web-browsing/tcp/any/80      action allow;
    icmp-unreachable: no
    terminal yes;
}
```

- Test an Authentication policy rule.

Use the **test authentication-policy-match** command to test your Authentication policy. For example, you want to make sure that all users accessing Salesforce are authenticated. You would use the following **test** command to make sure that if users are not identified using any other mechanism, the Authentication policy will force them to authenticate:

```
admin@PA-3060> test authentication-policy-match from trust to
untrust source 192.168.201.10 destination 96.43.144.26

Matched rule: 'salesforce' action: web-form
```

- Test a Decryption policy rule.

Use the **test decryption-policy-match category** command to test whether traffic to a specific destination and URL category will be decrypted according to your policy rules. For

example, to verify that your no-decrypt policy for traffic to financial services sites is not being decrypted, you would enter a command similar to the following:

```
admin@PA-3060> test decryption-policy-match category financial-  
services from trust source 10.40.14.197 destination 159.45.2.143
```

```
Matched rule: 'test' action: no-decrypt
```

Load Configurations

- [Load Configuration Settings from a Text File](#)
- [Load a Partial Configuration](#)

Load Configuration Settings from a Text File

In scripting mode, you can copy and paste commands from a text file directly into the CLI. This is a quick and easy way to copy several configuration settings from one Palo Alto Networks device to another.

STEP 1 | On the device from which you want to copy configuration commands, set the CLI output mode to set:

```
admin@fw1> set cli config-output-format set
```

STEP 2 | Show the part of the configuration you want to copy. For example, to copy the SNMP configuration you would enter the following command:

```
admin@fw1# show deviceconfig system snmp-setting
set deviceconfig system snmp-setting snmp-system location
  Headquarters
set deviceconfig system snmp-setting snmp-system contact snmp-
admin@acme.com
set deviceconfig system snmp-setting access-setting version v2c
  snmp-community-string public
```



When pasting commands into the command line, make sure you are entering them in the proper order to avoid errors. Sometimes commands shown in the CLI are not the order in which they must be configured on the device (for example, if you are pasting a configuration from a firewall into Panorama). If you see errors, check whether the command that generated the error is dependent on a later command. In these cases, you can usually just reenter the command. Also make sure you are pasting sections of a configuration in a logical order. For example, you should not copy security policy rules if you have not yet configured the objects the rules rely on, such as zones, security profiles, or address groups.

STEP 3 | Copy the commands to a text editor such as Notepad and edit the settings as desired.

STEP 4 | On the second device, paste the commands into the command line.



There is a limit to the amount of text that can be copied into the SSH buffer (approximately 20 lines). If you cut-and-paste a large block of text into the CLI, examine the output of the lines you pasted. If you see lines that are truncated or generate errors, you may have to re-paste a smaller section of text, or switch to scripting mode using the **set cli scripting-mode on** operational mode command, which increases the buffer significantly.

STEP 5 | [Commit Configuration Changes.](#)

Load a Partial Configuration

Use the **load config partial** command to copy a section of a configuration file in XML. The configuration can be:

- A saved configuration file from a Palo Alto Networks firewall or from Panorama
- A local configuration (for example, running-config.xml or candidate-config.xml)
- An imported configuration file from a firewall or Panorama

To load a partial configuration, you must identify the configuration file you want to copy from and, if it is not local, import it onto the device (see [Use Secure Copy to Import and Export Files](#) for an example of how to import a saved configuration).



If you are managing more than two or three firewalls, consider using [Panorama](#) for central management and monitoring of your firewalls.

To specify what part of the configuration to load, you must find the xpath location, which specifies the XML node in the configuration file you are loading from and the node in the local candidate configuration you are loading to.

The format of the command is:

```
admin@PA-3060# load config partial mode [append|merge|replace] from-  
xpath <source-xpath> to-xpath <destination-xpath> from <filename>
```

Use the information in the following topics to determine the appropriate Xpath location formats and use them to load a configuration object from one configuration to another:

- [Xpath Location Formats Determined by Device Configuration](#)
- [Load a Partial Configuration into Another Configuration Using Xpath Values](#)

Xpath Location Formats Determined by Device Configuration

You specify the source and destination of the **load partial** command using xpath locations, which specify the XML node in the configuration you are copying from (**from-xpath**) and the XML node in the candidate configuration you are copying to (**to-xpath**). Determining the correct xpath is a critical part of using this command. The following table shows the format for the **from-xpath** and **to-xpath** on different types of devices. Notice that the **from-xpath** begins at devices or shared, whereas the **to-xpath** begins with /config.

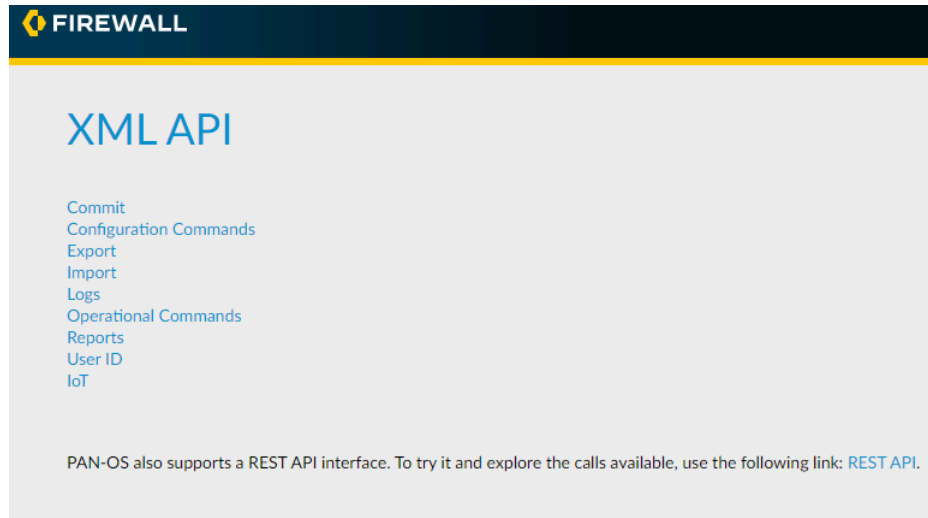
Type of Device Configuration	Xpath Formats
Multi-vsys Firewall	from-xpath

Type of Device Configuration	Xpath Formats
	<pre>devices/entry[@name='localhost.localdomain']/vsys/entry[@name='vsys-ID']/<object></pre>
	to-xpath <pre>/config/devices/entry[@name='localhost.localdomain']/vsys/entry[@name='vsys-ID']/<object></pre>
Single-vsys Firewall	from-xpath <pre>devices/entry[@name='localhost.localdomain']/vsys/entry[@name='vsys1']/<object></pre>
	to-xpath <pre>/config/devices/entry[@name='localhost.localdomain']/vsys/entry[@name='vsys1']/<object></pre>
Panorama Shared Object	from-xpath <pre>shared/<object></pre>
	to-xpath <pre>/config/shared/<object></pre>
Panorama Device Group Object	from-xpath <pre>devices/entry[@name='localhost.localdomain']/device-group/entry[@name='device-group-name']/<object></pre>
	to-xpath <pre>/config/devices/entry[@name='localhost.localdomain']/device-group/entry[@name='device-group-name']/<object></pre>

Load a Partial Configuration into Another Configuration Using Xpath Values

STEP 1 | Find the xpath values to use to load the partial configuration.

1. Log in to the web interface on the device and go to the following URL:
`https://<device-ip-address>/api`



2. Select **Configuration Commands**.
3. Drill down until you find the configuration object you want to load from one configuration to another.

For example, to find the application group xpath on a multi-vsyst firewall, you would select **Configuration Commands > devices > localhost.localdomain > vsys > <vsys-**

name> > application-group. After you drill down to the node you want to load, make note of the XPath that is displayed in the text box.

FIREWALL

XML API > Configuration
 Commands > devices > entry[@name='localhost.localdomain'] > vsys > entry[@name='vsys1'] > application-group

XPath

XML API Uri



You can also find the xpath from the CLI debug mode (use the operational mode command **debug mode on** to enable this), and then enter the configuration mode **show** command that shows the object you are interested in copying. For example, to see the xpath for the application object configuration in vsys1, you would enter the **show vsys vsys1 application** command. Look for the section of the output that begins with `<request cmd="get" obj="`. This signals the beginning of the xpath. In the following example, the highlighted section is the xpath for the application objects in vsys1:

```
admin@PA-3060# show vsys vsys1 application
(container-tag: vsys container-tag: entry key-tag:
name value: vsys1 container-tag: application)
((eol-matched: . #t) (eol-matched: . #t) (eol-
matched: . #t) (xpath-prefix: . /config/devices/
entry[@name='localhost.localdomain'])) (context-
inserted-at-end-p: . #f))
/usr/local/bin/pan_ms_client --config-
mode=default --set-prefix='set vsys vsys1 ' --
cookie=2588252477840140 <<'EOF' |usr/bin/less -X -E
-M
<request cmd="get" obj="/config/devices/
entry[@name='localhost.localdomain']/vsys/
entry[@name='vsys1']/application"></request>
EOF
```

- After you find the xpath for the node you want to load, identify the appropriate from- and to- [Xpath Location Formats Determined by Device Configuration](#) to load the partial configuration.

STEP 2 | Use the **load config partial** command to copy sections of the configuration you just imported. For example, you would use the following command to load the application filters you configured on fw1 from a saved configuration file, fw1-config.xml, you imported from fw1 (a single-vsys firewall) to vsys3 on fw2. Notice that even though fw1 does not have

multiple virtual system support, the xpath still points to the vsys1 (the default vsys ID on single-vsys firewalls):

```
admin@fw2# load config partial mode merge from-xpath
devices/entry[@name='localhost.localdomain']/vsys/
entry[@name='vsys1']/application-filter to-xpath/config/devices/
entry[@name='localhost.localdomain']/vsys/entry[@name='vsys3']/
application-filter from fw1-config.xml
```



The quotation marks around the hostname and the vsys name (if applicable) must be neutral. The command will fail if there are opened or closed quotation marks.

STEP 3 | Commit Configuration Changes.

Use Secure Copy to Import and Export Files

Secure Copy (SCP) is a convenient way to import and export files onto or off of a Palo Alto Networks device. For, example, you can use SCP to upload a new OS version to a device that does not have internet access, or you can export a configuration or logs from one device to import on another. The SCP commands require that you have an account (username and password) on the SCP server.



*Because the file for the entire log database is too large for an export or import to be practical on the following models, they do not support the **scp export logdb** or **scp import logdb** commands: Panorama virtual appliance running Panorama 6.0 or later releases, Panorama M-Series appliances (all releases), and PA-7000 Series firewall (all releases).*

- [Export a Saved Configuration from One Firewall and Import it into Another](#)
- [Export and Import a Complete Log Database \(logdb\)](#)

Export a Saved Configuration from One Firewall and Import it into Another

After you import the saved configuration, you can then [Load a Partial Configuration](#) from the first firewall onto the second firewall.

STEP 1 | On the first firewall, save the current configuration to a named configuration snapshot using the **save config to <filename>** command in configuration mode. For example:

```
admin@PA-fw1# save config to fw1-config
```

STEP 2 | Export the named configuration snapshot and log database to an SCP-enabled server using the **scp export** command in operational mode. When prompted, enter the password for your SCP server account.

```
admin@fw1> scp export configuration from <named-config-file>  
to <username@host:path>
```

For an SCP server running on Windows, the destination folder/filename path for both the export and import commands requires a drive letter followed by a colon. For example:

```
admin@fw1> scp export configuration from fw1-config.xml to  
ccrisp@10.10.10.5:c:/fw-config
```


STEP 3 | Log in to the firewall to which you want to copy the configuration and logs, and then import the configuration snapshot and log database. When prompted, enter the password for your SCP server account.

```
admin@fw2> scp import configuration
from <username@host:path_to_named-config-file>
```

For example (on a Windows-based SCP server):

```
admin@fw2> scp import configuration from ccrisp@10.10.10.5:c:/fw-
configs/fw1-config.xml
```

Export and Import a Complete Log Database (logdb)



*Because the file for the entire log database is too large for an export or import to be practical on the following models, they do not support the **scp export logdb** or **scp import logdb** commands:*

- Panorama virtual appliance running Panorama 6.0 or later releases.
- Panorama M-Series appliances (all releases).
- PA-7000 Series firewall (all releases).

STEP 1 | Export a log database to an SCP-enabled server using the **scp export** command in operational mode. When prompted, enter the password for your SCP server account.

```
admin@fw1> scp export logdb
to <username@host:path_to_destination_filename>
```

For an SCP server running on Windows, the destination folder/filename path for both the export and import commands requires a drive letter followed by a colon. For example:

```
admin@fw1> scp export logdb to ccrisp@10.10.10.5:c:/fw-logs/fw1-
logdb
```

STEP 2 | Log in to the firewall on which to import a log database, and then enter the import command. When prompted, enter the password for your SCP server account.

```
admin@fw2> scp import logdb
from <username@host:path_to_destination_filename>
```

For example (on a Windows-based SCP server):

```
admin@fw2> scp import logdb from ccrisp@10.10.10.5:c:/fw-logs/fw1-
logdb
```

CLI Jump Start

The following table provides quick start information for configuring the features of Palo Alto Networks devices from the CLI. Where applicable for firewalls with multiple virtual systems (vsys), the table also shows the location to configure shared settings and vsys-specific settings.

To configure...	Start here...
MGT interface	<pre># set deviceconfig system ip-address</pre>
admin password	<pre># set mgt-config users admin password</pre>
DNS	<pre># set deviceconfig system dns-setting servers</pre>
NTP	<pre># set deviceconfig system ntp-servers</pre>
Interfaces	<pre># set network interface</pre>
System settings	<pre># set deviceconfig system</pre>
Zones	<pre># set zone <name> # set vsys <name> zone <name></pre>
Security Profiles HIP Objects/ Profiles URL Filtering Profiles WildFire Analysis Profiles	<pre># set profiles # set vsys <name> profiles # set shared profiles</pre>
Server Profiles	<pre># set server-profile # set vsys <name> server-profile # set shared server-profile</pre>

To configure...	Start here...
Authentication Profiles	<pre># set authentication-profile # set vsys <name> authentication-profile # set shared authentication-profile</pre>
Certificate Profiles	<pre># set certificate-profile # set vsys <name> certificate-profile # set shared certificate-profile</pre>
Policy	<pre># set rulebase # set vsys vsys1 rulebase</pre>
Log Quotas	<pre># set deviceconfig setting management quota-setting s</pre>
User-ID	<pre># set user-id-agent # set vsys <name> user-id-agent # set user-id-collector # set vsys <name> user-id-collector</pre>
HA	<pre># set deviceconfig high-availability</pre>
AutoFocus Settings	<pre># set deviceconfig setting autofocus</pre>
WildFire Settings	<pre># set deviceconfig setting wildfire</pre>
Panorama	<pre># set deviceconfig system panorama-server</pre>
Restart	<pre>> request restart system</pre>

CLI Cheat Sheets

- [CLI Cheat Sheet: Device Management](#)
- [CLI Cheat Sheet: User-ID](#)
- [CLI Cheat Sheet: Networking](#)
- [CLI Cheat Sheet: VSYS](#)
- [CLI Cheat Sheet: Panorama](#)
- [CLI Cheat Sheet: CTD Evasion Detection](#)

CLI Cheat Sheet: Device Management

Use the following table to quickly locate commands for common device management tasks:

If you want to...	Use...
<ul style="list-style-type: none">• Show general system health information.	<pre>> show system info</pre>
<ul style="list-style-type: none">• Show percent usage of disk partitions. Include the optional files parameter to show information about inodes, which track file storage.	<pre>> show system disk-space files</pre>
<ul style="list-style-type: none">• Show the maximum log file size.	<pre>> show system logdb-quota</pre>
<ul style="list-style-type: none">• Show running processes.	<pre>> show system software status</pre>
<ul style="list-style-type: none">• Show processes running in the management plane.	<pre>> show system resources</pre>
<ul style="list-style-type: none">• Show resource utilization in the dataplane.	<pre>> show running resource-monitor</pre>
<ul style="list-style-type: none">• Show the licenses installed on the device.	<pre>> request license info</pre>
<ul style="list-style-type: none">• Show when commits, downloads, and/or upgrades are completed.	<pre>> show jobs processed</pre>
<ul style="list-style-type: none">• Show session information.	<pre>> show session info</pre>
<ul style="list-style-type: none">• Show information about a specific session.	<pre>> show session id <session-id></pre>
<ul style="list-style-type: none">• Show the running security policy.	<pre>> show running security-policy</pre>

If you want to...	Use...
<ul style="list-style-type: none">• Show the authentication logs.	<pre>> less mp-log authd.log</pre>
<ul style="list-style-type: none">• Restart the device.	<pre>> request restart system</pre>
<ul style="list-style-type: none">• Show the administrators who are currently logged in to the web interface, CLI, or API.	<pre>> show admins</pre>
<ul style="list-style-type: none">• Show the administrators who can access the web interface, CLI, or API, regardless of whether those administrators are currently logged in. When you run this command on the firewall, the output includes local administrators, remote administrators, and all administrators pushed from a Panorama template. Remote administrators are listed regardless of when they last logged in.	<pre>> show admins all</pre>
<ul style="list-style-type: none">• Configure the management interface as a DHCP client. For a successful commit, you must include each of the parameters: accept-dhcp-domain, accept-dhcp-hostname, send-client-id, and send-hostname.	<pre># set deviceconfig system type d hcp-client accept-dhcp-domain <y es no> accept-dhcp-hostname <yes no> send-client-id <yes no> sen d-hostname <yes no></pre>

CLI Cheat Sheet: User-ID

Use the following commands to perform common [User-ID](#) configuration and monitoring tasks.



To see more comprehensive logging information enable debug mode on the agent using the **`debug user-id log-ip-user-mapping yes`** command. When you are done troubleshooting, disable debug mode using **`debug user-id log-ip-user-mapping no`**.

CLI Cheat Sheet: User-ID

View all User-ID agents configured to send user mappings to the Palo Alto Networks device:

- To see all configured Windows-based agents:

```
> show user user-id-agent state all
```

- To see if the PAN-OS-integrated agent is configured:

```
> show user server-monitor state all
```

View how many log messages came in from syslog senders and how many entries the User-ID agent successfully mapped:

```
> show user server-monitor statistics
```

View the configuration of a User-ID agent from the Palo Alto Networks device:

```
> show user user-id-agent config name <agent-name>
```

View group mapping information:

```
> show user group-mapping statistics
> show user group-mapping state all
> show user group list
> show user group name <group-name>
```

View all user mappings on the Palo Alto Networks device:

```
> show user ip-user-mapping all
```

Show user mappings filtered by a username string (if the string includes the domain name, use two backslashes before the username):

CLI Cheat Sheet: User-ID

```
> show user ip-user-mapping all | match <domain>\\<username-string>
```

Show user mappings for a specific IP address:

```
> show user ip-user-mapping ip <ip-address>
```

Show usernames:

```
> show user user-ids
```

View the most recent addresses learned from a particular User-ID agent:

```
> show log userid datasourcename equal <agent-name> direction equal backward
```

View mappings from a particular type of authentication service:

```
> show log userid datasourcetype equal <authentication-service>
```

where *<authentication-service>* can be **authenticate**, **client-cert**, **directory-server**, **exchange-server**, **globalprotect**, **kerberos**, **netbios-probing**, **ntlm**, **unknown**, **vpn-client**, or **wmi-probing**.

For example, to view all user mappings from the Kerberos server, you would enter the following command:

```
> show log userid datasourcetype equal kerberos
```

View mappings learned using a particular type of user mapping:

```
> show log userid datasource equal <datasource>
```

where *<datasource>* can be **agent**, **captive-portal**, **event-log**, **ha**, **probing**, **server-session-monitor**, **ts-agent**, **unknown**, **vpn-client**, or **xml-api**.

For example, to view all user mappings from the XML API, you would enter the following command:

```
> show log userid datasourcetype equal xml-api
```

Find a user mapping based on an email address:

```
> show user email-lookup
```

CLI Cheat Sheet: User-ID

+ base	Default base distinguished name (DN) to use for searches
+ bind-dn	bind distinguished name
+ bind-password	bind password
+ domain	Domain name to be used for username
+ group-object	group object class(comma-separated)
+ name-attribute	name attribute
+ proxy-agent	agent ip or host name.
+ proxy-agent-port	user-id agent listening port, default is 5007
+ use-ssl	use-ssl
* email	email address
> mail-attribute	mail attribute
> server	ldap server ip or host name.
> server-port	ldap server listening port

For example:

```
> show user email-lookup base "DC=lab,DC=sg,DC=acme,DC=local" bind-dn "CN=Administrator,CN=Users,DC=lab,DC=sg,DC=acme,DC=local" bind-password acme use-ssl no email user1@lab.sg.acme.local mail-attribute mail server 10.1.1.1 server-port 389 labsg\user1
```

Clear the User-ID cache:

```
clear user-cache all
```

Clear a User-ID mapping for a specific IP address:

```
clear user-cache ip <ip-address/netmask>
```

CLI Cheat Sheet: HA

Use the following table to quickly locate commands for HA tasks.

If you want to ...	Use ...
<ul style="list-style-type: none"> View all HA cluster configuration content. 	<pre>> show high-availability cluster all</pre>
<ul style="list-style-type: none"> View HA cluster flap statistics. <p> <i>Cluster flap count is reset when the HA device moves from suspended to functional and vice versa. Cluster flap count also resets when non-functional hold time expires.</i></p>	<pre>> show high-availability cluster flap-statistics</pre>
<ul style="list-style-type: none"> View status of the HA4 interface. 	<pre>> show high-availability cluster ha4-status</pre>
<ul style="list-style-type: none"> View status of the HA4 backup interface. 	<pre>> show high-availability cluster ha4-backup-status</pre>
<ul style="list-style-type: none"> View information about the type and number of synchronized messages to or from an HA cluster. 	<pre>> show high-availability cluster session-synchronization</pre>
<ul style="list-style-type: none"> View HA cluster state and configuration information. 	<pre>> show high-availability cluster state</pre>
<ul style="list-style-type: none"> View HA cluster statistics, such as counts received messages and dropped packets for various reasons. 	<pre>> show high-availability cluster statistics</pre>
<ul style="list-style-type: none"> Clear HA cluster statistics. 	<pre>> clear high-availability cluster statistics</pre>

If you want to ...	Use ...
<ul style="list-style-type: none">• Clear session cache.	<pre>> request high-availability cluster clear-cache</pre>
<ul style="list-style-type: none">• Request full session cache synchronization.	<pre>> request high-availability cluster sync-from</pre>

CLI Cheat Sheet: Networking

Use the following table to quickly locate commands for common networking tasks:

If you want to ...	Use ...
General Routing Commands	
<ul style="list-style-type: none"> Display the routing table 	<pre>> show routing route</pre>
<ul style="list-style-type: none"> Look at routes for a specific destination 	<pre>> show routing fib virtual-router <name> match <x.x.x.x/Y></pre>
<ul style="list-style-type: none"> Change the ARP cache timeout setting from the default of 1800 seconds. 	<pre>> set system setting arp-cache-timeout <60-65536></pre>
<ul style="list-style-type: none"> View the ARP cache timeout setting. 	<pre>> show system setting arp-cache-timeout</pre>
AE Interfaces	
<ul style="list-style-type: none"> On PA-7050 and PA-7080 firewalls that have an aggregate interface group of interfaces located on different line cards, implement proper handling of fragmented packets that the firewall receives on multiple interfaces of the AE group. 	<pre>> set ae-frag redistribution-policy hash</pre>
NAT	
<ul style="list-style-type: none"> (PAN-OS 10.1.7 and later 10.1 releases) Enable persistent NAT for DIPP 	<pre>> set system setting persistent-dipp enable yes</pre>
<ul style="list-style-type: none"> Show the NAT policy table 	<pre>> show running nat-policy</pre>


If you want to . . .	Use . . .
<ul style="list-style-type: none"> • Test the NAT policy 	<pre>> test nat-policy-match</pre>
<ul style="list-style-type: none"> • Show NAT pool utilization 	<pre>> show running ippool > show running global-ippool</pre>
IPSec	
<ul style="list-style-type: none"> • Show IPSec counters 	<pre>> show vpn flow</pre>
<ul style="list-style-type: none"> • Show a list of all IPSec gateways and their configurations 	<pre>> show vpn gateway</pre>
<ul style="list-style-type: none"> • Show IKE phase 1 SAs 	<pre>> show vpn ike-sa</pre>
<ul style="list-style-type: none"> • Show IKE phase 2 SAs 	<pre>> show vpn ipsec-sa</pre>
<ul style="list-style-type: none"> • Show a list of auto-key IPSec tunnel configurations 	<pre>> show vpn tunnel</pre>
LSVPN (PAN-OS 10.1.7 and later 10.1 releases)	
<ul style="list-style-type: none"> • (Portal) Change the current satellite cookie expiration time 	<pre>> request global-protect-portal set-satellite-cookie-expiration value <0-5></pre>
<ul style="list-style-type: none"> • (Portal) Show current satellite cookie expiration time 	<pre>> show global-protect-portal satellite-cookie-expiration</pre>
<ul style="list-style-type: none"> • (Satellite) Display current satellite authentication cookie's generation time 	<pre>> show global-protect-satellite satellite</pre>
BFD	


If you want to . . .	Use . . .
<ul style="list-style-type: none"> Show BFD profiles 	<pre>> show routing bfd active-profile [<name>]</pre>
<ul style="list-style-type: none"> Show BFD details 	<pre>> show routing bfd details [interface <name>] [local-ip <ip>] [multihop][peer-ip <ip>] [session-id] [virtual-router <name>]</pre>
<ul style="list-style-type: none"> Show BFD statistics on dropped sessions 	<pre>> show routing bfd drop-counters session-id <session-id></pre>
<ul style="list-style-type: none"> Show counters of transmitted, received, and dropped BFD packets 	<pre>> show counter global match bfd</pre>
<ul style="list-style-type: none"> Clear counters of transmitted, received, and dropped BFD packets 	<pre>> clear routing bfd counters session-id all <1-1024></pre>
<ul style="list-style-type: none"> Clear BFD sessions for debugging purposes 	<pre>> clear routing bfd session-state session-id all <1-1024></pre>
PVST+	
<ul style="list-style-type: none"> Set the native VLAN ID 	<pre>> set session pvst-native-vlan-id <vid></pre>
<ul style="list-style-type: none"> Drop all STP BPDU packets 	<pre>> set session drop-stp-packet</pre>
<ul style="list-style-type: none"> Verify PVST+ BPDU rewrite configuration, native VLAN ID, and STP BPDU packet drop 	<pre>> show vlan all</pre>
<ul style="list-style-type: none"> Show counter of times the 802.1Q tag and PVID fields in a PVST+ BPDU packet do not match 	<pre>> show counter global</pre> <p>Look at the flow_pvid_inconsistent counter.</p>
Troubleshooting	

If you want to ...	Use ...
<ul style="list-style-type: none">• Ping from the management (MGT) interface to a destination IP address	<pre>> ping host <destination-ip-address></pre>
<ul style="list-style-type: none">• Ping from a dataplane interface to a destination IP address	<pre>> ping source <ip-address-on-dataplane> host <destination-ip-address></pre>
<ul style="list-style-type: none">• Show network statistics	<pre>> show netstat statistics yes</pre>

CLI Cheat Sheet: VSYS

Use the following commands to administer a Palo Alto Networks firewall with multiple [virtual system](#) (multi-vsyz) capability. You must have superuser, superuser (read-only), device administrator, or device administrator (read-only) access to use these commands. These commands are not available for virtual system administrator or virtual system administrator (read-only) roles.

If you want to ...	Use ...
<ul style="list-style-type: none"> Find out if the firewall is in multi-vsyz mode 	<pre>admin@PA> show system info match vsys multi-vsyz: on</pre>
<ul style="list-style-type: none"> View a list of virtual systems configured on the firewall <p> <i>After adding a new virtual system from the CLI, you must log out and log back in to see the new virtual system within the CLI.</i></p>	<pre>admin@PA> set system setting target-vsyz ? none none vsyz1 vsyz1 vsyz2 vsyz2 <value> <value></pre>
<ul style="list-style-type: none"> Switch to a particular vsyz so that you can issue commands and view data specific to that vsyz 	<pre>admin@PA> set system setting target-vsyz <vsyz-name></pre> <p>For example, use the following command to switch to vsyz2; note that the vsyz name is case sensitive:</p> <pre>> set system setting target-vsyz vsyz2 Session target vsyz changed to vsyz2 admin@PA-vsyz2></pre> <p>Notice that the command prompt now shows the name of the vsyz you are now administering.</p>
<ul style="list-style-type: none"> View the maximum number of sessions allowed, in use, and throttled 	<pre>admin@PA> show session meter</pre> <p>Example output:</p> <pre>VSYS Maximum Current Throttled</pre>

If you want to . . .	Use . . .
	<div><div>1</div><div>10</div><div>30</div><div>1587</div></div> <p>Maximum indicates the maximum number of sessions allowed per dataplane, Current indicates the number of sessions being used by the virtual system, and Throttled indicates the number of sessions denied for the virtual system because the sessions exceeded the Maximum number multiplied by the number of dataplanes in the system.</p> <div> <i>As shown in this example, on a PA-5200 Series or PA-7000 Series firewall, the Current number of sessions being used can be greater than the Maximum configured for Sessions Limit (Device > Virtual Systems > Resource) because there are multiple dataplanes per virtual system. The Sessions Limit you configure on a PA-5200 or PA-7000 Series firewall is per dataplane, and will result in a higher maximum per virtual system.</i></div>
<ul style="list-style-type: none">• View the User-ID mappings in the vsys	<div><pre>admin@PA-vsyt2> show user ip-user-map ping all</pre></div>
<ul style="list-style-type: none">• Return to configuring the firewall globally	<div><pre>admin@PA-vsyt2> set system setting ta rget-vsyt none admin@PA></pre></div>


CLI Cheat Sheet: Panorama

Use the following commands on [Panorama](#) to perform common configuration and monitoring tasks for the Panorama management server (M-Series appliance in Panorama mode), Dedicated Log Collectors (M-Series appliances in Log Collector mode), and managed firewalls.



To view system information about a Panorama virtual appliance or M-Series appliance (for example, job history, system resources, system health, or logged-in administrators), see [CLI Cheat Sheet: Device Management](#).

A Dedicated Log Collector mode has no web interface for administrative access, only a command line interface (CLI).

If you want to ...	Use ...
M-Series Appliance Mode of Operation (Panorama, Log Collector, or PAN-DB Private Cloud Mode)	
 Switching the mode reboots the M-Series appliance, deletes any existing log data, and deletes all configurations except the management access settings.	
<ul style="list-style-type: none">Display the current operational mode.	<pre>> show system info match system-mode</pre>
<ul style="list-style-type: none">Switch from Panorama mode to Log Collector mode.	<pre>> request system s system-mode logger</pre>
<ul style="list-style-type: none">Switch from Panorama mode to PAN-DB private cloud mode (M-500 appliance only).	<pre>> request system s system-mode panurldb</pre>
<ul style="list-style-type: none">Switch an M-Series appliance from Log Collector mode or PAN-DB private cloud mode (M-500 appliance only) to Panorama mode.	<pre>> request system s system-mode panorama</pre>
<ul style="list-style-type: none">Switch the Panorama virtual appliance from Legacy mode to Panorama mode.	<pre>></pre>

If you want to . . .	Use . . .
	<pre>request system s ystem-mode panorama</pre>
<ul style="list-style-type: none"> Switch the Panorama virtual appliance from Panorama mode to Legacy mode. 	<pre>> request system s ystem-mode legacy</pre>
Panorama Management Server	
<ul style="list-style-type: none"> Change the output for show commands to a format that you can run as CLI commands. 	<pre>> set cli config-o utput-mode set</pre> <p>The following is an example of the output for the show device-group command after setting the output format:</p> <pre># show device-grou p branch-offices set device-group branch-offices devices set device-group branch-offices pre-rule base ...</pre>
<ul style="list-style-type: none"> Enable or disable the connection between a firewall and Panorama. You must enter this command from the firewall CLI. 	<pre>> set panorama [of f on]</pre>
<ul style="list-style-type: none"> Synchronize the configuration of M-Series appliance high availability (HA) peers. 	<pre>> request high-ava ilability sync-to-remote [running-config candi date-config]</pre>

If you want to . . .	Use . . .
<ul style="list-style-type: none"> Reboot multiple firewalls or Dedicated Log Collectors. 	<pre>> request batch re boot [devices log-coll ectors] <serial-number></pre>
<ul style="list-style-type: none"> Change the interval in seconds (default is 10; range is 5 to 60) at which Panorama polls devices (firewalls and Log Collectors) to determine the progress of software or content updates. Panorama displays the progress when you deploy the updates to devices. Decreasing the interval makes the progress report more accurate but increases traffic between Panorama and the devices. 	<pre>> set dlsrvr poll- interval <5-60></pre>
Device Groups and Templates	
<ul style="list-style-type: none"> Show the history of device group commits, status of the connection to Panorama, and other information for the firewalls assigned to a device group. 	<pre>> show devicegroup s name <device-group-n ame></pre>
<ul style="list-style-type: none"> Show the history of template commits, status of the connection to Panorama, and other information for the firewalls assigned to a template. 	<pre>> show templates n ame <template-name></pre>
<ul style="list-style-type: none"> Show all the policy rules and objects pushed from Panorama to a firewall. You must enter this command from the firewall CLI. 	<pre>> show config push ed-shared-policy</pre>
<ul style="list-style-type: none"> Show all the network and device settings pushed from Panorama to a firewall. You must enter this command from the firewall CLI. 	<pre>> show config push ed-template</pre>

If you want to . . .	Use . . .
Log Collection	
<ul style="list-style-type: none"> Show the current rate at which the Panorama management server or a Dedicated Log Collector receives firewall logs. 	<pre>> debug log-collector log-collection-stats show incoming-logs</pre>
<ul style="list-style-type: none"> Show the quantity and status of logs that Panorama or a Dedicated Log Collector forwarded to external servers (such as syslog servers) as well as the auto-tagging status of the logs. Tracking dropped logs helps you troubleshoot connectivity issues. 	<pre>> debug log-collector log-collection-stats show log-forwarding-stats</pre>
<ul style="list-style-type: none"> Show status information for log forwarding to the Panorama management server or a Dedicated Log Collector from a particular firewall (such as the last received and generated log of each type). <p>When you run this command at the firewall CLI (skip the device <firewall-serial-number> argument), the output also shows how many logs the firewall has forwarded.</p>	<pre>> show logging-status device <firewall-serial-number></pre>
<ul style="list-style-type: none"> Clear logs by type. <p>Running this command on the Panorama management server clears logs that Panorama and Dedicated Log Collectors generated, as well as any firewall logs that the Panorama management server collected. Running this command on a Dedicated Log Collector clears the logs that it collected from firewalls.</p>	<pre>> clear log [acc alarm config hipmatch system]</pre>

CLI Cheat Sheet: CTD Evasion Detection

Use the following table to quickly locate commands for CLI commands related to CTD (content and threat detection engine) fail-close behavior.



These CLI commands are typically used for internal testing purposes or under the guidance of Palo Alto Networks Support.

If you want to ...	Use ...
<ul style="list-style-type: none"> Block the session if decoding errors occur while decoding Base64 encoded traffic. 	<pre>> set system setting ctd block-on-base64-decode-error enable</pre>
<ul style="list-style-type: none"> Block the session if decoding errors occur while decoding BDAT-Chunk traffic. 	<pre>> set system setting ctd block-on-bdat-chunk-decode-error enable</pre>
<ul style="list-style-type: none"> Block the session if decoding errors occur while decoding chunked transfer encoded traffic. 	<pre>> set system setting ctd block-on-chunk-decode-error enable</pre>
<ul style="list-style-type: none"> Block the session if decoding errors occur while decoding quoted-printable encoded traffic. 	<pre>> set system setting ctd block-on-qp-decode-error enable</pre>
<ul style="list-style-type: none"> Block the session if decoding errors occur while decoding UTF encoded traffic. 	<pre>> set system setting ctd block-on-utf-decode-error enable</pre>
<ul style="list-style-type: none"> Block the session if decoding errors occur while decoding uuencoded traffic. 	<pre>> set system setting ctd block-on-uu-decode-error enable</pre>
<ul style="list-style-type: none"> Block the session if decoding errors occur while decoding zip encoded traffic. 	<pre>> set system setting ctd block-on-zip-decode-error enable</pre>

CLI Changes in PAN-OS 10.1

This chapter identifies the PAN-OS 10.1 CLI configure commands changed since the PAN-OS 10.1 release:

- [New Set Commands](#)
- [Changed Set Commands](#)
- [Removed Set Commands](#)
- [New Show Commands](#)
- [Changed Show Commands](#)
- [Removed Show Commands](#)

Set Commands Introduced in PAN-OS 10.1

The following commands are new in the 10.1 release:

```
set deviceconfig system non-ui-authentication-profile <value>
set deviceconfig system hsm-settings provider ncipher-nshield-connect
set deviceconfig system hsm-settings provider ncipher-nshield-connect
  hsm-server
set deviceconfig system hsm-settings provider ncipher-nshield-connect
  hsm-server <name>
set deviceconfig system hsm-settings provider ncipher-nshield-connect
  hsm-server <name> server-address <ip/netmask>
set deviceconfig system hsm-settings provider ncipher-nshield-connect
  rfs-address <ip/netmask>
set deviceconfig system snmp-setting access-setting version v3 users
  <name> authproto <SHA|SHA-224|SHA-256|SHA-384|SHA-512>
set deviceconfig system snmp-setting access-setting version v3 users
  <name> privproto <AES|AES-192|AES-256>
```

```
set deviceconfig setting hawkeye
set deviceconfig setting hawkeye public-cloud-server <value>
set deviceconfig setting ctd cloud-dns-privacy-mask <yes|no>
set deviceconfig setting ctd cloudapp-implicit-policy-enforce <yes|
no>
set deviceconfig setting ctd shm-quota-threshold <50-80>
set deviceconfig setting ctd shared-memory-quota-dlp <0-100>
set deviceconfig setting ctd shared-memory-quota-iot <0-100>
set deviceconfig setting ctd shared-memory-quota-ace <0-100>
set deviceconfig setting ssl-decrypt scan-handshake <yes|no>
set deviceconfig setting management admin-session max-session-count
  <0-4>
set deviceconfig setting management audit-tracking
set deviceconfig setting management audit-tracking op-commands <yes|
no>
```

```
set deviceconfig setting management audit-tracking ui-actions <yes|no>

set deviceconfig setting management audit-tracking send-syslog
  <value>

set deviceconfig setting cloudapp

set deviceconfig setting cloudapp disable <yes|no>

set deviceconfig setting cloudapp cloudapp-srvr-addr

set deviceconfig setting cloudapp cloudapp-srvr-addr address <ip/netmask>|<value>
```

```
set network interface ethernet<name> layer3 bonjour

set network interface ethernet <name> layer3 bonjour enable <yes|no>

set network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat

set network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat enable <yes|no>

set network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat static-ip

set network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat static-ip ip-address <value>|<ip/netmask>

set network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat static-ip fqdn <value>

set network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat ddns

set network interface ethernet <name> layer3 units <name> sdwan-link-
  settings

set network interface ethernet <name> layer3 units <name> sdwan-link-
  settings enable <yes|no>

set network interface ethernet <name> layer3 units <name> sdwan-link-
  settings sdwan-interface-profile <value>

set network interface ethernet <name> layer3 units <name> sdwan-link-
  settings upstream-nat

set network interface ethernet <name> layer3 units <name> sdwan-link-
  settings upstream-nat enable <yes|no>
```

```
set network interface ethernet <name> layer3 units <name> sdwan-link-
settings upstream-nat static-ip

set network interface ethernet <name> layer3 units <name> sdwan-link-
settings upstream-nat static-ip ip-address <value>|<ip/netmask>

set network interface ethernet <name> layer3 units <name> sdwan-link-
settings upstream-nat static-ip fqdn <value>

set network interface ethernet <name> layer3 units <name> sdwan-link-
settings upstream-nat ddns

set network interface ethernet <name> layer3 units <name> bonjour

set network interface ethernet <name> layer3 units <name> bonjour
enable <yes|no>

set network interface ethernet <name> layer3 units <name> ip <name>
sdwan-gateway <ip/netmask>
```

```
set network interface aggregate-ethernet <name> layer3 bonjour

set network interface aggregate-ethernet <name> layer3 bonjour enable
<yes|no>

set network interface aggregate-ethernet <name> layer3 ip <name>
sdwan-gateway <ip/netmask>

set network interface aggregate-ethernet <name> layer3 sdwan-link-
settings

set network interface aggregate-ethernet <name> layer3 sdwan-link-
settings enable <yes|no>

set network interface aggregate-ethernet <name> layer3 sdwan-link-
settings sdwan-interface-profile <value>

set network interface aggregate-ethernet <name> layer3 sdwan-link-
settings upstream-nat

set network interface aggregate-ethernet <name> layer3 sdwan-link-
settings upstream-nat enable <yes|no>

set network interface aggregate-ethernet <name> layer3 sdwan-link-
settings upstream-nat static-ip ip-address <value>|<ip/netmask>

set network interface aggregate-ethernet <name> layer3 sdwan-link-
settings upstream-nat static-ip fqdn <value>
```

```
set network interface aggregate-ethernet <name> layer3 sdwan-link-
settings upstream-nat ddns
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  bonjour
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  bonjour enable <yes|no>
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  ip <name> sdwan-gateway <ip/netmask>
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings enable <yes|no>
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings sdwan-interface-profile <value>
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings upstream-nat
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings upstream-nat enable <yes|no>
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings upstream-nat static-ip
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings upstream-nat static-ip ip-address <value>|<ip/
netmask>
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings upstream-nat static-ip fqdn <value>
```

```
set network interface aggregate-ethernet <name> layer3 units <name>
  sdwan-link-settings upstream-nat ddns
```

```
set network interface loopback df-ignore <yes|no>
```

```
set network interface sdwan units <name> link-tag <value>
```

```
set network tunnel ipsec<name> anti-replay-window <64|128|256|512|
1024|2048|4096>
```

```
set network virtual-router <name> routing-table ip static-route
  <name> path-monitor monitor-destinations <name> source <value>|
<DHCP|PPPOE>
```

```
set network logical-router <name> vrf <name> routing-table ip static-  
route <name> path-monitor monitor-destinations <name> source <value>|  
<DHCP|PPPOE>  
  
set network shared-gateway <name> service <name> protocol tcp port  
<0-65535,...>  
  
set network shared-gateway <name> service <name> protocol tcp source-  
port <0-65535,...>  
  
set network shared-gateway <name> service <name> protocol udp port  
<0-65535,...>  
  
set network shared-gateway <name> service <name> protocol udp source-  
port <0-65535,...>  
  
set network shared-gateway <name> log-settings snmptrap <name>  
version v3 server <name> authproto <SHA|SHA-224|SHA-256|SHA-384|  
SHA-512>  
  
set network shared-gateway <name> log-settings snmptrap <name>  
version v3 server <name> privproto <AES|AES-192|AES-256>  
  
set network shared-gateway <name> rulebase network-packet-broker  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name>  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name> from [ <from1> <from2>... ]  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name> to [ <to1> <to2>... ]  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name> source [ <source1> <source2>... ]  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name> source-user [ <source-user1> <source-user2>... ]  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name> destination [ <destination1> <destination2>... ]  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name> application [ <application1> <application2>... ]  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name> service [ <service1> <service2>... ]  
  
set network shared-gateway <name> rulebase network-packet-broker  
rules <name> tag [ <tag1> <tag2>... ]
```

```
set network shared-gateway <name> rulebase network-packet-broker
rules <name> negate-source <yes|no>

set network shared-gateway <name> rulebase network-packet-broker
rules <name> negate-destination <yes|no>

set network shared-gateway <name> rulebase network-packet-broker
rules <name> disabled <yes|no>

set network shared-gateway <name> rulebase network-packet-broker
rules <name> description <value>

set network shared-gateway <name> rulebase network-packet-broker
rules <name> group-tag <value>

set network shared-gateway <name> rulebase network-packet-broker
rules <name> source-hip [ <source-hip1> <source-hip2>... ]

set network shared-gateway <name> rulebase network-packet-broker
rules <name> destination-hip [ <destination-hip1> <destination-
hip2>... ]

set network shared-gateway <name> rulebase network-packet-broker
rules <name> traffic-type

set network shared-gateway <name> rulebase network-packet-broker
rules <name> traffic-type tls-decrypted <yes|no>

set network shared-gateway <name> rulebase network-packet-broker
rules <name> traffic-type tls-encrypted <yes|no>

set network shared-gateway <name> rulebase network-packet-broker
rules <name> traffic-type non-tls <yes|no>

set network shared-gateway <name> rulebase network-packet-broker
rules <name> action

set network shared-gateway <name> rulebase network-packet-broker
rules <name> action packet-broker-profile <value>
```

```
set shared service<name> protocol tcp port <0-65535,...>

set shared service <name> protocol tcp source-port <0-65535,...>

set shared service <name> protocol udp port <0-65535,...>

set shared service <name> protocol udp source-port <0-65535,...>

set shared profiles hip-objects <name> anti-malware criteria product-
version within versions <1-1>

set shared profiles hip-objects <name> anti-malware criteria product-
version not-within versions <1-1>
```

```

set shared profiles sdwan-saas-quality <name> monitor-mode static-ip
ip-address <name> probe-interval <1-60>

set shared profiles sdwan-saas-quality <name> monitor-mode static-ip
fqdn probe-interval <1-60>

set shared profiles sdwan-saas-quality <name> monitor-mode http-https
probe-interval <3-60>

set shared profiles sdwan-error-correction <name> mode forward-error-
correction recovery-duration <1-5000>

set shared profiles sdwan-error-correction <name> mode packet-
duplication recovery-duration-pd <1-5000>

```

```

set shared reports<name> type thsum group-by <serial|time_generated|
vsys_name|device_name|app|src|dst|rule|threatid|srcuser|dstuser|
srcloc|dstloc|xff_ip|vsys|from|to|dev_serial|dport|action|severity|
inbound_if|outbound_if|category|category-of-app|subcategory-of-app|
technology-of-app|container-of-app|risk-of-app|parent_session_id|
parent_start_time|tunnel|direction|assoc_id|ppid|http2_connection|
rule_uuid|threat_name|src_edl|dst_edl|hostid|dynusergroup_name|
nssai_sst|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-
of-receive_time|quarter-hour-of-receive_time|subtype|tunnelid|
monitortag|category-of-threatid|threat-type>

```

```

set shared reports <name> type traffic group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|nat sport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-
app|subcategory-of-app|technology-of-app|container-of-app|risk-
of-app|vsys_name|device_name|parent_session_id|parent_start_time|
category|session_end_reason|action_source|nssai_sst|nssai_sd|
http2_connection|xff_ip|dynusergroup_name|src_edl|dst_edl|hostid|
session_owner|policy_id|offloaded|src_category|src_profile|src_model|
src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|
dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|
dst_mac|container_id|pod_namespace|pod_name|src_dag|dst_dag|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time|pbf-
s2c|pbf-c2s|decrypt-mirror|threat-type|flag-nat|flag-pcap|captive-
portal|flag-proxy|non-std-dport|transaction|sym-return|sessionid|
flag-decrypt-fwd|tunnelid|monitortag>

```

```

set shared reports <name> type urlsum group-by <serial|
time_generated|vsys_name|device_name|app|category|src|dst|rule|
srcuser|dstuser|srcloc|dstloc|vsys|from|to|dev_serial|inbound_if|
outbound_if|dport|action|tunnel|url_domain|user_agent|http_method|
http2_connection|category-of-app|subcategory-of-app|technology-of-
app|container-of-app|risk-of-app|parent_session_id|parent_start_time|
rule_uuid|xff_ip|src_edl|dst_edl|hostid|dynusergroup_name|nssai_sst|

```



```
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|url_category_list|src_dag|dst_dag|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time|
tunnelid|monitortag>
```

```
set shared reports <name> type trsum group-by <serial|time_generated|
vsys_name|device_name|app|src|dst|xff_ip|rule|srcuser|dstuser|
srcloc|dstloc|category|vsys|from|to|dev_serial|dport|action|
tunnel|inbound_if|outbound_if|category-of-app|subcategory-of-app|
technology-of-app|container-of-app|risk-of-app|parent_session_id|
parent_start_time|assoc_id|http2_connection|rule_uuid|src_edl|
dst_edl|dynusergroup_name|s_decrypted|s_encrypted|hostid|nssai_sst|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-
of-receive_time|quarter-hour-of-receive_time|tunnelid|monitortag|
standard-ports-of-app>
```

```
set shared reports <name> type auth group-by <serial|time_generated|
vsys_name|device_name|vsys|ip|user|normalize_user|object|authpolicy|
authid|vendor|clienttype|event|factorno|authproto|rule_uuid|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|day-of-receive_time|hour-of-
receive_time|quarter-hour-of-receive_time|serverprofile|desc>
```

```
set shared reports<name> type hipmatch group-by <serial|
time_generated|vsys_name|device_name|srcuser|vsys|machinename|src|
matchname|os|matchtype|srcipv6|hostid|mac|day-of-receive_time|hour-
of-receive_time|quarter-hour-of-receive_time>
```

```
set shared reports <name> type hipmatch last-match-by <>
```

```
set shared authentication-profile <name> method cloud
```

```
set shared authentication-profile <name> method cloud region
```

```
set shared authentication-profile <name> method cloud region
region_id <value>
```

```
set shared authentication-profile <name> method cloud region tenant
```

```
set shared authentication-profile <name> method cloud region tenant
tenant_id <value>
```

```
set shared authentication-profile <name> method cloud region tenant
profile
```

```
set shared authentication-profile <name> method cloud region tenant
profile profile_id <value>
```

```
set shared authentication-profile <name> method cloud region tenant
profile mfa

set shared authentication-profile <name> method cloud region tenant
profile mfa force-mfa <value>

set shared authentication-profile <name> method cloud clock-skew
<1-900>

set shared log-settings snmptrap <name> version v3 server <name>
authproto <SHA|SHA-224|SHA-256|SHA-384|SHA-512>

set shared log-settings snmptrap <name> version v3 server <name>
privproto <AES|AES-192|AES-256>

set shared ssl-tls-service-profile <name> protocol-settings max-
version <tls1-0|tls1-1|tls1-2|max>

set shared admin-role <name> role device webui policies network-
packet-broker-rulebase <enable|read-only|disable>

set shared admin-role <name> role device webui objects packet-broker-
profile <enable|read-only|disable>

set shared admin-role <name> role device webui device plugins
<enable|disable>

set shared admin-role <name> role device webui device policy-
recommendations

set shared admin-role <name> role device webui device policy-
recommendations iot <enable|read-only|disable>

set shared admin-role <name> role device webui device policy-
recommendations saas <enable|read-only|disable>

set shared admin-role <name> role device restapi objects packet-
broker-profiles <enable|read-only|disable>

set shared admin-role <name> role device restapi objects sdwan-saas-
quality-profiles <enable|read-only|disable>

set shared admin-role <name> role device restapi objects sdwan-error-
correction-profiles <enable|read-only|disable>

set shared admin-role <name> role device restapi policies network-
packet-broker-rules <enable|read-only|disable>

set shared admin-role <name> role device restapi device log-
interface-setting <enable|read-only|disable>

set shared admin-role <name> role device restapi system

set shared admin-role <name> role device restapi system configuration
<enable|read-only|disable>
```

```
set shared admin-role <name> role vsys webui policies network-packet-  
broker-rulebase <enable|read-only|disable>  
  
set shared admin-role <name> role vsys webui objects packet-broker-  
profile <enable|read-only|disable>  
  
set shared admin-role <name> role vsys webui device policy-  
recommendations  
  
set shared admin-role <name> role vsys webui device policy-  
recommendations iot <enable|read-only|disable>  
  
set shared admin-role <name> role vsys webui device policy-  
recommendations saas <enable|read-only|disable>  
  
set shared admin-role <name> role vsys restapi objects packet-broker-  
profiles <enable|read-only|disable>  
  
set shared admin-role <name> role vsys restapi objects sdwan-saas-  
quality-profiles <enable|read-only|disable>  
  
set shared admin-role <name> role vsys restapi objects sdwan-error-  
correction-profiles <enable|read-only|disable>  
  
set shared admin-role <name> role vsys restapi policies network-  
packet-broker-rules <enable|read-only|disable>  
  
set shared admin-role <name> role vsys restapi device log-interface-  
setting <enable|read-only|disable>  
  
set shared admin-role <name> role vsys restapi system  
  
set shared admin-role <name> role vsys restapi system configuration  
  <enable|read-only|disable>  
  
set shared user-id-hub  
  
set shared user-id-hub vsys <value>  
  
set shared user-id-hub ip-user-mapping <yes|no>  
  
set shared user-id-hub user-group-mapping <yes|no>
```

```
set vsys<name> authentication-profile <name> method cloud  
  
set vsys <name> authentication-profile <name> method cloud region  
  
set vsys <name> authentication-profile <name> method cloud region  
  region_id <value>  
  
set vsys <name> authentication-profile <name> method cloud region  
  tenant
```

```
set vsys <name> authentication-profile <name> method cloud region
tenant tenant_id <value>

set vsys <name> authentication-profile <name> method cloud region
tenant profile

set vsys <name> authentication-profile <name> method cloud region
tenant profile profile_id <value>

set vsys <name> authentication-profile <name> method cloud region
tenant profile mfa

set vsys <name> authentication-profile <name> method cloud region
tenant profile mfa force-mfa <value>

set vsys <name> authentication-profile <name> method cloud clock-skew
<1-900>

set vsys <name> log-settings snmptrap <name> version v3 server <name>
authproto <SHA|SHA-224|SHA-256|SHA-384|SHA-512>

set vsys <name> log-settings snmptrap <name> version v3 server <name>
privproto <AES|AES-192|AES-256>

set vsys <name> ssl-tls-service-profile <name> protocol-settings max-
version <tls1-0|tls1-1|tls1-2|max>

set vsys <name> cloud-identity-engine

set vsys <name> cloud-identity-engine <name>

set vsys <name> cloud-identity-engine <name> region <value>

set vsys <name> cloud-identity-engine <name> cloud-identity-engine-
instance <value>

set vsys <name> cloud-identity-engine <name> domain <value>

set vsys <name> cloud-identity-engine <name> update-interval <5-1440>

set vsys <name> cloud-identity-engine <name> enabled <yes|no>

set vsys <name> cloud-identity-engine <name> primary-user <value>

set vsys <name> cloud-identity-engine <name> user-email <value>

set vsys <name> cloud-identity-engine <name> alt-username-1 <value>

set vsys <name> cloud-identity-engine <name> alt-username-2 <value>

set vsys <name> cloud-identity-engine <name> alt-username-3 <value>

set vsys <name> cloud-identity-engine <name> group-name <value>

set vsys <name> cloud-identity-engine <name> group-email <value>
```

```
set vsys <name> cloud-identity-engine <name> endpoint-serial-number
<value>

set vsys <name> sdwan-interface-profile <name> vpn-failover-metric
<1-65535>

set vsys <name> global-protect global-protect-gateway <name> roles
<name> inactivity-logout <5-43200>

set vsys <name> profiles hip-objects <name> anti-malware criteria
product-version within versions <1-1>

set vsys <name> profiles hip-objects <name> anti-malware criteria
product-version not-within versions <1-1>

set vsys <name> profiles sdwan-saas-quality <name> monitor-mode
static-ip ip-address <name> probe-interval <1-60>

set vsys <name> profiles sdwan-saas-quality <name> monitor-mode http-
https probe-interval <3-60>

set vsys <name> profiles sdwan-error-correction <name> mode packet-
duplication recovery-duration-pd <1-5000>
```

```
set vsys <name> profiles packet-broker

set vsys <name> profiles packet-broker <name>

set vsys <name> profiles packet-broker <name> description <value>

set vsys <name> profiles packet-broker <name> interface-primary
<value>

set vsys <name> profiles packet-broker <name> transparent

set vsys <name> profiles packet-broker <name> transparent enable-ipv6
<yes|no>

set vsys <name> profiles packet-broker <name> routed

set vsys <name> profiles packet-broker <name> routed security-chain

set vsys <name> profiles packet-broker <name> routed security-chain
<name>

set vsys <name> profiles packet-broker <name> routed security-chain
<name> enable <yes|no>

set vsys <name> profiles packet-broker <name> routed security-chain
<name> first-device <ip/netmask>

set vsys <name> profiles packet-broker <name> routed security-chain
<name> first-device-description <value>
```

```
set vsys <name> profiles packet-broker <name> routed security-chain
<name> last-device <ip/netmask>

set vsys <name> profiles packet-broker <name> routed security-chain
<name> last-device-description <value>

set vsys <name> profiles packet-broker <name> routed distribution
<round-robin|ip-modulo|ip-hash|lowest-latency>

set vsys <name> profiles packet-broker <name> health-check

set vsys <name> profiles packet-broker <name> health-check failure-
action <bypass|block>

set vsys <name> profiles packet-broker <name> health-check failure-
condition <any|all>

set vsys <name> profiles packet-broker <name> health-check path-
enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check path-
interval-s <1-60>

set vsys <name> profiles packet-broker <name> health-check path-
recovery-hold-s <0-65535>

set vsys <name> profiles packet-broker <name> health-check http-
enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check http-count
<1-10>

set vsys <name> profiles packet-broker <name> health-check http-
interval-s <1-60>

set vsys <name> profiles packet-broker <name> health-check http-
latency-enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check http-
latency-maximum-ms <10-65535>

set vsys <name> profiles packet-broker <name> health-check http-
latency-duration-s <1-65535>

set vsys <name> profiles packet-broker <name> health-check http-
latency-log-exceeded <yes|no>

set vsys <name> service <name> protocol tcp port <0-65535,...>

set vsys <name> service <name> protocol udp port <0-65535,...>

set vsys <name> service <name> protocol udp source-port <0-65535,...>

set vsys <name> authentication-profile <name> method cloud

set vsys <name> authentication-profile <name> method cloud region
```

```
set vsys <name> authentication-profile <name> method cloud region
  region_id <value>

set vsys <name> authentication-profile <name> method cloud region
  tenant

set vsys <name> authentication-profile <name> method cloud region
  tenant tenant_id <value>

set vsys <name> authentication-profile <name> method cloud region
  tenant profile

set vsys <name> authentication-profile <name> method cloud region
  tenant profile profile_id <value>

set vsys <name> authentication-profile <name> method cloud region
  tenant profile mfa

set vsys <name> authentication-profile <name> method cloud region
  tenant profile mfa force-mfa <value>

set vsys <name> authentication-profile <name> method cloud clock-skew
  <1-900>

set vsys <name> log-settings snmptrap <name> version v3 server <name>
  authproto <SHA|SHA-224|SHA-256|SHA-384|SHA-512>

set vsys <name> log-settings snmptrap <name> version v3 server <name>
  privproto <AES|AES-192|AES-256>

set vsys <name> ssl-tls-service-profile <name> protocol-settings max-
  version <tls1-0|tls1-1|tls1-2|max>
```

```
set vsys<name> cloud-identity-engine

set vsys <name> cloud-identity-engine <name>

set vsys <name> cloud-identity-engine <name> region <value>

set vsys <name> cloud-identity-engine <name> cloud-identity-engine-
  instance <value>

set vsys <name> cloud-identity-engine <name> domain <value>

set vsys <name> cloud-identity-engine <name> update-interval <5-1440>

set vsys <name> cloud-identity-engine <name> enabled <yes|no>

set vsys <name> cloud-identity-engine <name> primary-user <value>

set vsys <name> cloud-identity-engine <name> user-email <value>

set vsys <name> cloud-identity-engine <name> alt-username-1 <value>
```

```
set vsys <name> cloud-identity-engine <name> alt-username-2 <value>
set vsys <name> cloud-identity-engine <name> alt-username-3 <value>
set vsys <name> cloud-identity-engine <name> group-name <value>
set vsys <name> cloud-identity-engine <name> group-email <value>
set vsys <name> cloud-identity-engine <name> endpoint-serial-number
  <value>
set vsys <name> sdwan-interface-profile <name> vpn-failover-metric
  <1-65535>
set vsys <name> global-protect global-protect-gateway <name> roles
  <name> inactivity-logout <5-43200>
set vsys <name> profiles hip-objects <name> anti-malware criteria
  product-version within versions <1-1>
set vsys <name> profiles hip-objects <name> anti-malware criteria
  product-version not-within versions <1-1>
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode
  static-ip ip-address <name> probe-interval <1-60>
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode http-
https probe-interval <3-60>
set vsys <name> profiles sdwan-error-correction <name> mode packet-
duplication recovery-duration-pd <1-5000>
set vsys <name> profiles packet-broker
set vsys <name> profiles packet-broker <name>
set vsys <name> profiles packet-broker <name> description <value>
set vsys <name> profiles packet-broker <name> interface-primary
  <value>
set vsys <name> profiles packet-broker <name> transparent
set vsys <name> profiles packet-broker <name> transparent enable-ipv6
  <yes|no>
set vsys <name> profiles packet-broker <name> routed
set vsys <name> profiles packet-broker <name> routed security-chain
set vsys <name> profiles packet-broker <name> routed security-chain
  <name>
set vsys <name> profiles packet-broker <name> routed security-chain
  <name> enable <yes|no>
```



```
set vsys <name> profiles packet-broker <name> routed security-chain
  <name> first-device <ip/netmask>

set vsys <name> profiles packet-broker <name> routed security-chain
  <name> first-device-description <value>

set vsys <name> profiles packet-broker <name> routed security-chain
  <name> last-device <ip/netmask>

set vsys <name> profiles packet-broker <name> routed security-chain
  <name> last-device-description <value>

set vsys <name> profiles packet-broker <name> routed distribution
  <round-robin|ip-modulo|ip-hash|lowest-latency>

set vsys <name> profiles packet-broker <name> health-check

set vsys <name> profiles packet-broker <name> health-check failure-
action <bypass|block>

set vsys <name> profiles packet-broker <name> health-check failure-
condition <any|all>

set vsys <name> profiles packet-broker <name> health-check path-
enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check path-
interval-s <1-60>

set vsys <name> profiles packet-broker <name> health-check path-
recovery-hold-s <0-65535>

set vsys <name> profiles packet-broker <name> health-check http-
enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check http-count
  <1-10>

set vsys <name> profiles packet-broker <name> health-check http-
interval-s <1-60>

set vsys <name> profiles packet-broker <name> health-check http-
latency-enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check http-
latency-maximum-ms <10-65535>

set vsys <name> profiles packet-broker <name> health-check http-
latency-duration-s <1-65535>

set vsys <name> profiles packet-broker <name> health-check http-
latency-log-exceeded <yes|no>

set vsys <name> service <name> protocol tcp port <0-65535,...>
```

```
set vsys <name> service <name> protocol udp port <0-65535,...>

set vsys <name> service <name> protocol udp source-port <0-65535,...>
```

```
set vsys <name> reports <name> type decryption group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-app|
subcategory-of-app|technology-of-app|container-of-app|risk-of-app|
vsys_name|device_name|tls_version|tls_keyxchg|tls_enc|tls_auth|
ec_curve|err_index|root_status|proxy_type|policy_name|cn|issuer_cn|
root_cn|sn|error|src_dag|dst_dag|src_edl|dst_edl|container_id|
pod_namespace|pod_name|src_category|src_profile|src_model|src_vendor|
src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|
dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|day-
of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time>
```

```
set vsys <name> reports <name> type desum group-by <serial|
time_generated|vsys_name|device_name|category-of-app|subcategory-
of-app|technology-of-app|container-of-app|risk-of-app|app|src|
dst|srcuser|dstuser|vsys|tls_version|tls_keyxchg|tls_enc|tls_auth|
sn|error|err_index|src_edl|dst_edl|container_id|pod_namespace|
pod_name|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|src_dag|
dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-
receive_time>
```

```
set vsys <name> reports <name> type threat group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-app|
subcategory-of-app|technology-of-app|container-of-app|risk-of-app|
vsys_name|device_name|parent_session_id|parent_start_time|threatid|
category|severity|direction|http_method|nssai_sst|filedigest|
filetype|http2_connection|xff_ip|threat_name|src_edl|dst_edl|
dynusergroup_name|hostid|partial_hash|src_category|src_profile|
src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|
dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|
dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|
misc|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|
quarter-hour-of-receive_time|pbf-s2c|pbf-c2s|flag-nat|flag-pcap|
subtype|transaction|captive-portal|flag-proxy|non-std-dport|tunnelid|
monitortag|users|category-of-threatid|threat-type>
```

```
set vsys <name> reports <name> type thsum group-by
```

```
<serial|time_generated|vsys_name|device_name|app|src|dst|rule|
threatid|srcuser|dstuser|srcloc|dstloc|xff_ip|vsys|from|to|
dev_serial|dport|action|severity|inbound_if|outbound_if|category|
```

```
category-of-app|subcategory-of-app|technology-of-app|container-
of-app|risk-of-app|parent_session_id|parent_start_time|tunnel|
direction|assoc_id|ppid|http2_connection|rule_uuid|threat_name|
src_edl|dst_edl|hostid|dynusergroup_name|nssai_sst|src_category|
src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|
src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|
dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|
src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-
hour-of-receive_time|subtype|tunnelid|monitortag|category-of-
threatid|threat-type>
```

```
set vsys <name> reports <name> type traffic group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|nat sport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-
app|subcategory-of-app|technology-of-app|container-of-app|risk-
of-app|vsys_name|device_name|parent_session_id|parent_start_time|
category|session_end_reason|action_source|nssai_sst|nssai_sd|
http2_connection|xff_ip|dynusergroup_name|src_edl|dst_edl|hostid|
session_owner|policy_id|offloaded|src_category|src_profile|src_model|
src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|
dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|
dst_mac|container_id|pod_namespace|pod_name|src_dag|dst_dag|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time|pbf-
s2c|pbf-c2s|decrypt-mirror|threat-type|flag-nat|flag-pcap|captive-
portal|flag-proxy|non-std-dport|transaction|sym-return|sessionid|
flag-decrypt-fwd|tunnelid|monitortag>
```

```
set vsys <name> reports <name> type urlsum group-by <serial|
time_generated|vsys_name|device_name|app|category|src|dst|rule|
srcuser|dstuser|srcloc|dstloc|vsys|from|to|dev_serial|inbound_if|
outbound_if|dport|action|tunnel|url_domain|user_agent|http_method|
http2_connection|category-of-app|subcategory-of-app|technology-of-
app|container-of-app|risk-of-app|parent_session_id|parent_start_time|
rule_uuid|xff_ip|src_edl|dst_edl|hostid|dynusergroup_name|nssai_sst|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|url_category_list|src_dag|dst_dag|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time|
tunnelid|monitortag>
```

```
set vsys <name> reports <name> type trsum group-by <serial|
time_generated|vsys_name|device_name|app|src|dst|xff_ip|rule|srcuser|
dstuser|srcloc|dstloc|category|vsys|from|to|dev_serial|dport|action|
tunnel|inbound_if|outbound_if|category-of-app|subcategory-of-app|
technology-of-app|container-of-app|risk-of-app|parent_session_id|
parent_start_time|assoc_id|http2_connection|rule_uuid|src_edl|
dst_edl|dynusergroup_name|s_decrypted|s_encrypted|hostid|nssai_sst|
src_category|src_profile|src_model|src_vendor|src_osfamily|
```

```
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-
of-receive_time|quarter-hour-of-receive_time|tunnelid|monitortag|
standard-ports-of-app>
```

```
set vsys <name> reports <name> type auth group-by <serial|
time_generated|vsys_name|device_name|vsys|ip|user|normalize_user|
object|authpolicy|authid|vendor|clienttype|event|factorno|authproto|
rule_uuid|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|day-of-receive_time|hour-of-
receive_time|quarter-hour-of-receive_time|serverprofile|desc>
```

```
set vsys <name> reports <name> type hipmatch group-by <serial|
time_generated|vsys_name|device_name|srcuser|vsys|machinename|src|
matchname|os|matchtype|srcipv6|hostid|mac|day-of-receive_time|hour-
of-receive_time|quarter-hour-of-receive_time>
```

```
set vsys <name> reports <name> type hipmatch last-match-by <>
```

```
set vsys <name> rulebase decryption rules <name> action <no-decrypt|
decrypt>
```

```
set vsys <name> rulebase network-packet-broker
```

```
set vsys <name> rulebase network-packet-broker rules
```

```
set vsys <name> rulebase network-packet-broker rules <name>
```

```
set vsys <name> rulebase network-packet-broker rules <name> from
[ <from1> <from2>... ]
```

```
set vsys <name> rulebase network-packet-broker rules <name> to
[ <to1> <to2>... ]
```

```
set vsys <name> rulebase network-packet-broker rules <name> source
[ <source1> <source2>... ]
```

```
set vsys <name> rulebase network-packet-broker rules <name> source-
user [ <source-user1> <source-user2>... ]
```

```
set vsys <name> rulebase network-packet-broker rules <name>
destination [ <destination1> <destination2>... ]
```

```
set vsys <name> rulebase network-packet-broker rules <name>
application [ <application1> <application2>... ]
```

```
set vsys <name> rulebase network-packet-broker rules <name> service
[ <service1> <service2>... ]
```

```
set vsys <name> rulebase network-packet-broker rules <name> tag
[ <tag1> <tag2>... ]

set vsys <name> rulebase network-packet-broker rules <name> negate-
source <yes|no>

set vsys <name> rulebase network-packet-broker rules <name> negate-
destination <yes|no>

set vsys <name> rulebase network-packet-broker rules <name> disabled
<yes|no>

set vsys <name> rulebase network-packet-broker rules <name>
description <value>

set vsys <name> rulebase network-packet-broker rules <name> group-tag
<value>

set vsys <name> rulebase network-packet-broker rules <name> source-
hip [ <source-hip1> <source-hip2>... ]

set vsys <name> rulebase network-packet-broker rules <name>
destination-hip [ <destination-hip1> <destination-hip2>... ]

set vsys <name> rulebase network-packet-broker rules <name> traffic-
type

set vsys <name> rulebase network-packet-broker rules <name> traffic-
type tls-decrypted <yes|no>

set vsys <name> rulebase network-packet-broker rules <name> traffic-
type tls-encrypted <yes|no>

set vsys <name> rulebase network-packet-broker rules <name> traffic-
type non-tls <yes|no>

set vsys <name> rulebase network-packet-broker rules <name> action

set vsys <name> rulebase network-packet-broker rules <name> action
packet-broker-profile <value>
```

Set Commands Changed in PAN-OS 10.1

The following commands are modified in the 10.1 release.

Added category-of-app, subcategory-of-app, technology-of-app, container-of-app, and risk-of-app filters to the following commands:

```
set shared reports <name> type decryption group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-
app|subcategory-of-app|technology-of-app|container-of-app|risk-of-
app|vsys_name|device_name|tls_version|tls_keyxchg|tls_enc|tls_auth|
ec_curve|err_index|root_status|proxy_type|policy_name|cn|issuer_cn|
root_cn|sni|error|src_dag|dst_dag|src_edl|dst_edl|container_id|
pod_namespace|pod_name|src_category|src_profile|src_model|src_vendor|
src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|
dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|day-
of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time>
```

```
set shared reports <name> type desum group-by <serial|time_generated|
vsys_name|device_name|category-of-app|subcategory-of-app|technology-
of-app|container-of-app|risk-of-app|app|src|dst|srcuser|dstuser|
vsys|tls_version|tls_keyxchg|tls_enc|tls_auth|sni|error|err_index|
src_edl|dst_edl|container_id|pod_namespace|pod_name|src_category|
src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|
src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|
dst_osversion|dst_host|dst_mac|src_dag|dst_dag|day-of-receive_time|
hour-of-receive_time|quarter-hour-of-receive_time>
```

```
set shared reports <name> type threat group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-app|
subcategory-of-app|technology-of-app|container-of-app|risk-of-app|
vsys_name|device_name|parent_session_id|parent_start_time|threatid|
category|severity|direction|http_method|nssai_sst|filedigest|
filetype|http2_connection|xff_ip|threat_name|src_edl|dst_edl|
dynusergroup_name|hostid|partial_hash|src_category|src_profile|
src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|
dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|
dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|
misc|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|
quarter-hour-of-receive_time|pbf-s2c|pbf-c2s|flag-nat|flag-pcap|
subtype|transaction|captive-portal|flag-proxy|non-std-dport|tunnelid|
monitortag|users|category-of-threatid|threat-type>
```

The following command range changed from 1-3600 to 1-60:

```
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode
static-ip fqdn probe-interval <1-60>
```

The following command changed transmit-hold-timer to recovery-duration:

```
set vsys <name> profiles sdwan-error-correction <name> mode forward-  
error-correction recovery-duration <1-5000>
```

All commands following `set vsys <name> profiles forwardingoptions` changed to `set vsys <name> profiles packet-broker`.

Set Commands Removed in PAN-OS 10.1

The following commands are no longer available in the 10.1 release.

```
set deviceconfig system hsm-settings provider thales-nshield-connect
set deviceconfig system hsm-settings provider thales-nshield-connect
  hsm-server
set deviceconfig system hsm-settings provider thales-nshield-connect
  hsm-server <name>
set deviceconfig system hsm-settings provider thales-nshield-connect
  hsm-server <name> server-address <ip/netmask>
set deviceconfig system hsm-settings provider thales-nshield-connect
  rfs-address <ip/netmask>
```

```
set deviceconfig system ssh profiles mgmt-profiles client-profiles
set deviceconfig system ssh profiles mgmt-profiles client-
profiles<name>
set deviceconfig system ssh mgmt client-profile <value>
```

```
set deviceconfig setting filemgr-service-setting
set deviceconfig setting filemgr-service-setting filemgr-
server<value>
set deviceconfig setting session dhcp-bcast-session-on <yes|no>
set deviceconfig setting logging enhanced-application-logging
  disable-global dp-channel
set deviceconfig setting management admin-session max-session-count
  <1-4>
```

```
set network virtual-router<name> routing-table ip static-route <name>
  path-monitor monitor-destinations <name> source <value>|<DHCP>
set network logical-router <name> vrf <name> routing-table ip static-
route <name> path-monitor monitor-destinations <name> source <value>|
<DHCP>
set network shared-gateway <name> service <name> protocol tcp port
  <value>
```



```
set network shared-gateway <name> service <name> protocol tcp source-
port <value>

set network shared-gateway <name> service <name> protocol udp port
<value>

set network shared-gateway <name> service <name> protocol udp source-
port <value>
```

```
set shared service<name> protocol tcp port <value>

set shared service <name> protocol tcp source-port <value>

set shared service <name> protocol udp port <value>

set shared service <name> protocol udp source-port <value>
```

```
set shared profiles hip-objects<name> anti-malware criteria product-
version within versions <1-65535>

set shared profiles hip-objects <name> anti-malware criteria product-
version not-within versions <1-65535>

set shared profiles sdwan-saas-quality <name> monitor-mode static-ip
ip-address <name> probe-interval <1-3600>

set shared profiles sdwan-saas-quality <name> monitor-mode static-ip
fqdn probe-interval <1-3600>

set shared profiles sdwan-saas-quality <name> monitor-mode http-https
probe-interval <1-3600>
```

```
set shared profiles sdwan-error-correction<name> mode forward-error-
correction transmit-hold-timer <1-5000>

set shared profiles sdwan-error-correction <name> mode packet-
duplication transmit-hold-timer-pd <1-5000>
```

```
set shared reports<name> type decryption group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|nat sport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|vsys_name|
device_name|tls_version|tls_keyxchg|tls_enc|tls_auth|ec_curve|
err_index|root_status|proxy_type|policy_name|cn|issuer_cn|root_cn|
sni|error|src_dag|dst_dag|src_edl|dst_edl|container_id|pod_namespace|
```

```
pod_name|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time>
```

```
set shared reports <name> type desum group-by <serial|time_generated|
vsys_name|device_name|app|src|dst|srcuser|dstuser|vsys|tls_version|
tls_keyxchg|tls_enc|tls_auth|policy_name|sn|error|err_index|
src_edl|dst_edl|container_id|pod_namespace|pod_name|src_category|
src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|
src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|
dst_osversion|dst_host|dst_mac|src_dag|dst_dag|day-of-receive_time|
hour-of-receive_time|quarter-hour-of-receive_time|outbound_if|
inbound_if|rule|dport|sport|proto>
```

```
set shared reports <name> type threat group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|vsys_name|
device_name|parent_session_id|parent_start_time|threatid|category|
severity|direction|http_method|nssai_sst|http2_connection|xff_ip|
threat_name|src_edl|dst_edl|dynusergroup_name|hostid|partial_hash|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|misc|src_dag|dst_dag|day-of-receive_time|
hour-of-receive_time|quarter-hour-of-receive_time|subcategory-of-app|
category-of-app|technology-of-app|risk-of-app|container-of-app|pbf-
s2c|pbf-c2s|flag-nat|flag-pcap|subtype|transaction|captive-portal|
flag-proxy|non-std-dport|tunnelid|monitortag|users|category-of-
threatid|threat-type>
```

```
set shared reports <name> type data group-by <action|app|category-
of-app|direction|dport|dst|dstuser|from|inbound_if|misc|natdport|
natdst|natport|natsrc|outbound_if|proto|risk-of-app|rule|rule_uuid|
severity|sport|src|srcuser|subcategory-of-app|subtype|technology-
of-app|container-of-app|threatid|to|dstloc|srcloc|vsys|quarter-hour-
of-receive_time|hour-of-receive_time|day-of-receive_time|vsys_name|
device_name|data-type|filename|tunnelid|monitortag|parent_session_id|
parent_start_time|http2_connection|tunnel|xff_ip|src_dag|dst_dag>
```

```
set shared reports<name> type data values [ <values1> <values2>... ]
```

```
set shared reports <name> type data labels [ <labels1>
<labels2>... ]
```

```
set shared reports <name> type data sortby <repeatcnt|nunique-of-
users>
```

```
set shared reports <name> type data
```

```
set shared reports <name> type data aggregate-by [ <aggregate-by1>
<aggregate-by2>... ]
```

```
set shared reports <name> type thsum group-by
```

```
<serial|time_generated|vsys_name|device_name|app|src|dst|rule|
threatid|srcuser|dstuser|srcloc|dstloc|xff_ip|vsys|from|to|dport|
action|severity|inbound_if|outbound_if|category|parent_session_id|
parent_start_time|tunnel|direction|assoc_id|ppid|http2_connection|
rule_uuid|threat_name|src_edl|dst_edl|hostid|dynusergroup_name|
nssai_sst|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-
of-receive_time|quarter-hour-of-receive_time|subcategory-of-app|
category-of-app|technology-of-app|risk-of-app|container-of-app|
subtype|tunnelid|monitortag|category-of-threatid|threat-type>
```

```
set shared reports <name> type traffic group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|
nat sport|natdport|proto|action|tunnel|rule_uuid|s_encrypted|
vsys_name|device_name|parent_session_id|parent_start_time|category|
session_end_reason|action_source|nssai_sst|nssai_sd|http2_connection|
xff_ip|dynusergroup_name|src_edl|dst_edl|hostid|session_owner|
policy_id|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-of-
receive_time|quarter-hour-of-receive_time|pbf-s2c|pbf-c2s|decrypt-
mirror|threat-type|flag-nat|flag-pcap|captive-portal|flag-proxy|
non-std-dport|transaction|sym-return|sessionid|sesscache_l7_done|
subcategory-of-app|category-of-app|technology-of-app|risk-of-app|
container-of-app|tunnelid|monitortag>
```

```
set shared reports <name> type urlsum group-by <serial|
time_generated|vsys_name|device_name|app|category|src|dst|rule|
srcuser|dstuser|srcloc|dstloc|vsys|from|to|dev_serial|inbound_if|
outbound_if|dport|action|tunnel|url_domain|user_agent|http_method|
http2_connection|parent_session_id|parent_start_time|rule_uuid|
xff_ip|src_edl|dst_edl|hostid|dynusergroup_name|nssai_sst|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|url_category_list|src_dag|dst_dag|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time|
nunique-of-users|tunnelid|monitortag|subcategory-of-app|category-of-
app|technology-of-app|risk-of-app|container-of-app>
```

```
set shared reports <name> type trsum group-by <serial|time_generated|
vsys_name|device_name|app|src|dst|xff_ip|rule|srcuser|dstuser|
srcloc|dstloc|category|vsys|from|to|sessions|dport|action|tunnel|
inbound_if|outbound_if|parent_session_id|parent_start_time|assoc_id|
http2_connection|rule_uuid|src_edl|dst_edl|dynusergroup_name|
s_decrypted|s_encrypted|hostid|nssai_sst|src_category|src_profile|
src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|
dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|
dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|
src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-
```

```
hour-of-receive_time|subcategory-of-app|category-of-app|technology-
of-app|risk-of-app|container-of-app|tunnelid|monitortag|standard-
ports-of-app|ncontent>
```

```
set shared reports <name> type auth group-by <serial|time_generated|
vsys_name|device_name|vsys|ip|user|normalize_user|object|authpolicy|
authid|vendor|clienttype|event|factorno|authproto|rule_uuid|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|day-of-receive_time|hour-of-
receive_time|quarter-hour-of-receive_time|serverprofile|desc|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac>
```

```
set shared reports <name> type hipmatch group-by <serial|
time_generated|vsys_name|device_name|srcuser|vsys|machinename|src|
matchname|os|matchtype|srcipv6|hostid|devcategory|profile|model|
vendor|osfamily|osversion|mac|devhost|source|day-of-receive_time|
hour-of-receive_time|quarter-hour-of-receive_time|hostname|osfamily|
osversion>
```

```
set shared reports <name> type hipmatch last-match-by
<time_generated>
```

```
set shared ssl-tls-service-profile<name> protocol-settings max-
version <tls1-0|tls1-1|tls1-2|tls1-3|max>
```

```
set shared ssl-tls-service-profile <name> protocol-settings enc-algo-
chacha20-poly1305 <yes|no>
```

```
set shared admin-role <name> role device webui objects decryption
decryption-forwarding-profile <enable|read-only|disable>
```

```
set shared admin-role <name> role device webui device policy-
recommendation <enable|read-only|disable>
```

```
set shared admin-role <name> role device restapi objects decryption-
forwarding-profiles <enable|read-only|disable>
```

```
set shared admin-role <name> role vsys webui objects decryption
decryption-forwarding-profile <enable|read-only|disable>
```

```
set shared admin-role <name> role vsys webui device policy-
recommendation <enable|read-only|disable>
```

```
set shared admin-role <name> role vsys restapi objects decryption-
forwarding-profiles <enable|read-only|disable>
```

```
set shared user-id-hub <value>
```

```
set shared icd
```

```
set shared icd cloud-addr
set shared icd cloud-addr address<value>
set shared icd cloud-addr port <80-65535>
```

```
set vsys<name> ssl-tls-service-profile <name> protocol-settings max-
version <tls1-0|tls1-1|tls1-2|tls1-3|max>

set vsys <name> ssl-tls-service-profile <name> protocol-settings enc-
algo-chacha20-poly1305 <yes|no>

set vsys <name> ipuser-include-exclude-list include-exclude-network-
sequence

set vsys <name> ipuser-include-exclude-list include-exclude-network-
sequence include-exclude-network [ <include-exclude-network1>
<include-exclude-network2>... ]

set vsys <name> iptag-include-exclude-list include-exclude-network-
sequence

set vsys <name> iptag-include-exclude-list include-exclude-network-
sequence include-exclude-network [ <include-exclude-network1>
<include-exclude-network2>... ]
```

```
set vsys<name> captive-portal ntlm-auth
set vsys <name> captive-portal ntlm-auth attempts <1-10>
set vsys <name> captive-portal ntlm-auth timeout <1-60>
set vsys <name> captive-portal ntlm-auth reversion-time <60-3600>
set vsys <name> user-id-collector setting enable-ntlm <yes|no>
set vsys <name> user-id-collector setting ntlm-domain <value>
set vsys <name> user-id-collector setting ntlm-username <value>
set vsys <name> user-id-collector setting ntlm-password <value>
```

```
set vsys<name> global-protect global-protect-gateway <name> roles
<name> inactivity-logout

set vsys <name> global-protect global-protect-gateway <name> roles
<name> inactivity-logout minutes <120-43200>
```

```

set vsys <name> global-protect global-protect-gateway <name> roles
  <name> inactivity-logout hours <2-720>

set vsys <name> global-protect global-protect-gateway <name> roles
  <name> inactivity-logout days <1-30>

set vsys <name> global-protect global-protect-gateway <name> roles
  <name> disconnect-on-idle

set vsys <name> global-protect global-protect-gateway <name> roles
  <name> disconnect-on-idle minutes <5-43200>

set vsys <name> profiles hip-objects <name> anti-malware criteria
  product-version within versions <1-65535>

set vsys <name> profiles hip-objects <name> anti-malware criteria
  product-version not-within versions <1-65535>

set vsys <name> profiles sdwan-saas-quality <name> monitor-mode
  static-ip ip-address <name> probe-interval <1-3600>

set vsys <name> profiles sdwan-saas-quality <name> monitor-mode http-
https probe-interval <1-3600>

set vsys <name> profiles sdwan-error-correction <name> mode packet-
duplication transmit-hold-timer-pd <1-5000>

```

```

set vsys<name> profiles forwarding <name> description <value>

set vsys <name> profiles forwarding <name> interface-primary <value>

set vsys <name> profiles forwarding <name> interface-secondary
  <value>

set vsys <name> profiles forwarding <name> transparent

set vsys <name> profiles forwarding <name> transparent enable-ipv6
  <yes|no>

set vsys <name> profiles forwarding <name> routed

set vsys <name> profiles forwarding <name> routed security-chain

set vsys <name> profiles forwarding <name> routed security-chain
  <name>

set vsys <name> profiles forwarding <name> routed security-chain
  <name> enable <yes|no>

set vsys <name> profiles forwarding <name> routed security-chain
  <name> first-device <ip/netmask>

set vsys <name> profiles forwarding <name> routed security-chain
  <name> first-device-description <value>

```

```
set vsys <name> profiles forwarding <name> routed security-chain
<name> last-device <ip/netmask>

set vsys <name> profiles forwarding <name> routed security-chain
<name> last-device-description <value>

set vsys <name> profiles forwarding <name> routed distribution
<round-robin|ip-modulo|ip-hash|lowest-latency>

set vsys <name> profiles forwarding <name> health-check failure-
action <bypass|block>

set vsys <name> profiles forwarding <name> health-check failure-
condition <any|all>

set vsys <name> profiles forwarding <name> health-check path-enable
<yes|no>

set vsys <name> profiles forwarding <name> health-check path-
interval-s <1-60>

set vsys <name> profiles forwarding <name> health-check path-
recovery-hold-s <0-65535>

set vsys <name> profiles forwarding <name> health-check http-enable
<yes|no>

set vsys <name> profiles forwarding <name> health-check http-count
<1-10>

set vsys <name> profiles forwarding <name> health-check http-
interval-s <1-60>

set vsys <name> profiles forwarding <name> health-check http-latency-
enable <yes|no>

set vsys <name> profiles forwarding <name> health-check http-latency-
maximum-ms <10-65535>

set vsys <name> profiles forwarding <name> health-check http-latency-
duration-s <1-65535>

set vsys <name> profiles forwarding <name> health-check http-latency-
log-exceeded <yes|no>


set vsys<name> service <name> protocol tcp port <value>
set vsys <name> service <name> protocol tcp source-port <value>
set vsys <name> service <name> protocol udp port <value>
```



```
set vsys <name> service <name> protocol udp source-port <value>
```

```
set vsys<name> reports <name> type decryption group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|vsys_name|
device_name|tls_version|tls_keyxchg|tls_enc|tls_auth|ec_curve|
err_index|root_status|proxy_type|policy_name|cn|issuer_cn|root_cn|
sni|error|src_dag|dst_dag|src_edl|dst_edl|container_id|pod_namespace|
pod_name|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time>
```

```
set vsys <name> reports <name> type desum group-by <serial|
time_generated|vsys_name|device_name|app|src|dst|srcuser|dstuser|
vsys|tls_version|tls_keyxchg|tls_enc|tls_auth|policy_name|sni|
error|err_index|src_edl|dst_edl|container_id|pod_namespace|pod_name|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|src_dag|
dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-
receive_time|outbound_if|inbound_if|rule|dport|sport|proto>
```

```
set vsys <name> reports <name> type threat group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|
natdport|proto|action|tunnel|rule_uuid|s_encrypted|vsys_name|
device_name|parent_session_id|parent_start_time|threatid|category|
severity|direction|http_method|nssai_sst|http2_connection|xff_ip|
threat_name|src_edl|dst_edl|dynusergroup_name|hostid|partial_hash|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|misc|src_dag|dst_dag|day-of-receive_time|
hour-of-receive_time|quarter-hour-of-receive_time|subcategory-of-app|
category-of-app|technology-of-app|risk-of-app|container-of-app|pbf-
s2c|pbf-c2s|flag-nat|flag-pcap|subtype|transaction|captive-portal|
flag-proxy|non-std-dport|tunnelid|monitortag|users|category-of-
threatid|threat-type>
```

```
set vsys <name> reports <name> type data group-by <action|app|
category-of-app|direction|dport|dst|dstuser|from|inbound_if|misc|
natdport|natdst|natport|natsrc|outbound_if|proto|risk-of-app|rule|
rule_uuid|severity|sport|src|srcuser|subcategory-of-app|subtype|
technology-of-app|container-of-app|threatid|to|dstloc|srcloc|
vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-
receive_time|vsys_name|device_name|data-type|filename|tunnelid|
monitortag|parent_session_id|parent_start_time|http2_connection|
tunnel|xff_ip|src_dag|dst_dag>
```



```

set vsys<name> reports <name> type data values [ <values1>
<values2>... ]

set vsys <name> reports <name> type data labels [ <labels1>
<labels2>... ]

set vsys <name> reports <name> type data sortby <repeatcnt|nunique-
of-users>

set vsys <name> reports <name> type data

set vsys <name> reports <name> type data aggregate-by [ <aggregate-
by1> <aggregate-by2>... ]

```

```

set vsys<name> reports <name> type thsum group-by <serial|
time_generated|vsys_name|device_name|app|src|dst|rule|threatid|
srcuser|dstuser|srcloc|dstloc|xff_ip|vsys|from|to|dport|action|
severity|inbound_if|outbound_if|category|parent_session_id|
parent_start_time|tunnel|direction|assoc_id|ppid|http2_connection|
rule_uuid|threat_name|src_edl|dst_edl|hostid|dynusergroup_name|
nssai_sst|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-
of-receive_time|quarter-hour-of-receive_time|subcategory-of-app|
category-of-app|technology-of-app|risk-of-app|container-of-app|
subtype|tunnelid|monitortag|category-of-threatid|threat-type>

```

```

set vsys <name> reports <name> type traffic group-by <serial|
time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|
dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|
natport|natdport|proto|action|tunnel|rule_uuid|s_encrypted|
vsys_name|device_name|parent_session_id|parent_start_time|category|
session_end_reason|action_source|nssai_sst|nssai_sd|http2_connection|
xff_ip|dynusergroup_name|src_edl|dst_edl|hostid|session_owner|
policy_id|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-of-
receive_time|quarter-hour-of-receive_time|pbf-s2c|pbf-c2s|decrypt-
mirror|threat-type|flag-nat|flag-pcap|captive-portal|flag-proxy|
non-std-dport|transaction|sym-return|sessionid|sesscache_l7_done|
subcategory-of-app|category-of-app|technology-of-app|risk-of-app|
container-of-app|tunnelid|monitortag>

```

```

set vsys <name> reports <name> type urlsum group-by <serial|
time_generated|vsys_name|device_name|app|category|src|dst|rule|
srcuser|dstuser|srcloc|dstloc|vsys|from|to|dev_serial|inbound_if|
outbound_if|dport|action|tunnel|url_domain|user_agent|http_method|
http2_connection|parent_session_id|parent_start_time|rule_uuid|
xff_ip|src_edl|dst_edl|hostid|dynusergroup_name|nssai_sst|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|

```

```
pod_namespace|pod_name|url_category_list|src_dag|dst_dag|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time|
nunique-of-users|tunnelid|monitortag|subcategory-of-app|category-of-
app|technology-of-app|risk-of-app|container-of-app>
```

```
set vsys <name> reports <name> type trsum group-by <serial|
time_generated|vsys_name|device_name|app|src|dst|xff_ip|rule|
srcuser|dstuser|srcloc|dstloc|category|vsys|from|to|sessions|
dport|action|tunnel|inbound_if|outbound_if|parent_session_id|
parent_start_time|assoc_id|http2_connection|rule_uuid|src_edl|
dst_edl|dynusergroup_name|s_decrypted|s_encrypted|hostid|nssai_sst|
src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|
dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-
of-receive_time|quarter-hour-of-receive_time|subcategory-of-app|
category-of-app|technology-of-app|risk-of-app|container-of-app|
tunnelid|monitortag|standard-ports-of-app|ncontent>
```

```
set vsys<name> reports <name> type auth group-by <serial|
time_generated|vsys_name|device_name|vsys|ip|user|normalize_user|
object|authpolicy|authid|vendor|clienttype|event|factorno|
authproto|rule_uuid|src_category|src_profile|src_model|src_vendor|
src_osfamily|src_osversion|src_host|src_mac|day-of-receive_time|
hour-of-receive_time|quarter-hour-of-receive_time|serverprofile|
desc|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac>
```

```
set vsys <name> reports <name> type hipmatch group-by <serial|
time_generated|vsys_name|device_name|srcuser|vsys|machinename|src|
matchname|os|matchtype|srcipv6|hostid|devcategory|profile|model|
vendor|osfamily|osversion|mac|devhost|source|day-of-receive_time|
hour-of-receive_time|quarter-hour-of-receive_time|hostname|osfamily|
osversion>
```

```
set vsys <name> reports <name> type hipmatch last-match-by
<time_generated>
```

```
set vsys <name> rulebase decryption rules <name> action <no-decrypt|
decrypt|decrypt-and-forward>
```

```
set vsys <name> rulebase decryption rules <name> forwarding-profile
<value>
```

Show Commands Introduced in PAN-OS 10.1

The following commands are new in the 10.1 release.

```
show deviceconfig setting hawkeye
show deviceconfig setting management audit-tracking
show deviceconfig setting cloudapp
show deviceconfig setting cloudapp cloudapp-srvr-addr
show network interface ethernet <name> layer3 bonjour
show network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat
show network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat static-ip
show network interface ethernet <name> layer3 sdwan-link-settings
  upstream-nat ddns
show network interface ethernet <name> layer3 units <name> sdwan-
link-settings
show network interface ethernet <name> layer3 units <name> sdwan-
link-settings upstream-nat
show network interface ethernet <name> layer3 units <name> sdwan-
link-settings upstream-nat static-ip
show network interface ethernet <name> layer3 units <name> sdwan-
link-settings upstream-nat ddns
show network interface ethernet <name> layer3 units <name> bonjour
show network interface aggregate-ethernet <name> layer3 bonjour
show network interface aggregate-ethernet <name> layer3 sdwan-link-
settings
show network interface aggregate-ethernet <name> layer3 sdwan-link-
settings upstream-nat
show network interface aggregate-ethernet <name> layer3 sdwan-link-
settings upstream-nat static-ip
show network interface aggregate-ethernet <name> layer3 sdwan-link-
settings upstream-nat ddns
show network interface aggregate-ethernet <name> layer3 units <name>
  bonjour
```

```
show network interface aggregate-ethernet <name> layer3 units <name>
sdwan-link-settings

show network interface aggregate-ethernet <name> layer3 units <name>
sdwan-link-settings upstream-nat

show network interface aggregate-ethernet <name> layer3 units <name>
sdwan-link-settings upstream-nat static-ip

show network interface aggregate-ethernet <name> layer3 units <name>
sdwan-link-settings upstream-nat ddns
```

```
show network shared-gateway<name> rulebase network-packet-broker

show network shared-gateway <name> rulebase network-packet-broker
rules

show network shared-gateway <name> rulebase network-packet-broker
rules <name>

show network shared-gateway <name> rulebase network-packet-broker
rules <name> traffic-type

show network shared-gateway <name> rulebase network-packet-broker
rules <name> action

show shared authentication-profile <name> method cloud

show shared authentication-profile <name> method cloud region

show shared authentication-profile <name> method cloud region tenant

show shared authentication-profile <name> method cloud region tenant
profile

show shared authentication-profile <name> method cloud region tenant
profile mfa

show shared admin-role <name> role device webui device policy-
recommendations

show shared admin-role <name> role device restapi system

show shared admin-role <name> role vsys webui device policy-
recommendations

show shared admin-role <name> role vsys restapi system

show shared user-id-hub
```

```
show vsys<name> authentication-profile <name> method cloud
```

```
show vsys <name> authentication-profile <name> method cloud region
show vsys <name> authentication-profile <name> method cloud region
tenant
show vsys <name> authentication-profile <name> method cloud region
tenant profile
show vsys <name> authentication-profile <name> method cloud region
tenant profile mfa
show vsys <name> cloud-identity-engine
show vsys <name> cloud-identity-engine <name>
```

```
show vsys<name> profiles packet-broker
show vsys <name> profiles packet-broker <name>
show vsys <name> profiles packet-broker <name> transparent
show vsys <name> profiles packet-broker <name> routed
show vsys <name> profiles packet-broker <name> routed security-chain
show vsys <name> profiles packet-broker <name> routed security-chain
<name>
show vsys <name> profiles packet-broker <name> health-check
show vsys <name> rulebase network-packet-broker
show vsys <name> rulebase network-packet-broker rules
show vsys <name> rulebase network-packet-broker rules <name>
show vsys <name> rulebase network-packet-broker rules <name> traffic-
type
show vsys <name> rulebase network-packet-broker rules <name> action
```

Show Commands Changed in PAN-OS 10.1

The following commands are modified in the 10.1 release:

The following commands changed thakes to ncipher:

```
show deviceconfig system hsm-settings provider ncipher-nshield-  
connect
```

```
show deviceconfig system hsm-settings provider ncipher-nshield-  
connect hsm-server
```

```
show deviceconfig system hsm-settings provider ncipher-nshield-  
connect hsm-server <name>
```

Show Commands Removed in PAN-OS 10.1

The following commands are no longer available in the 10.1 release.

```
show deviceconfig system ssh profiles mgmt-profiles client-profiles
show deviceconfig system ssh profiles mgmt-profiles client-profiles
  <name>
show deviceconfig setting filemgr-service-setting
show deviceconfig setting logging enhanced-application-logging
  disable-global dp-channel
show shared icd
show shared icd cloud-addr
show vsys <name> ipuser-include-exclude-list include-exclude-network-
sequence
show vsys <name> iptag-include-exclude-list include-exclude-network-
sequence
show vsys <name> captive-portal ntlm-auth
show vsys <name> global-protect global-protect-gateway <name> roles
  <name> inactivity-logout
show vsys <name> global-protect global-protect-gateway <name> roles
  <name> disconnect-on-idle
show vsys <name> profiles forwarding
show vsys <name> profiles forwarding <name>
show vsys <name> profiles forwarding <name> transparent
show vsys <name> profiles forwarding <name> routed
show vsys <name> profiles forwarding <name> routed security-chain
show vsys <name> profiles forwarding <name> routed security-chain
  <name>
show vsys <name> profiles forwarding <name> health-check
show vsys <name> reports <name> type data
```


CLI Command Hierarchy for PAN-OS 10.1

These topics list all of the CLI commands available with PAN-OS.

- [PAN-OS 10.1 CLI Ops Command Hierarchy](#)
- [PAN-OS 10.1 CLI Configure Command Hierarchy](#)

PAN-OS 10.1 CLI Ops Command Hierarchy

target set <value>

target show

schedule uar-report user <value> user-group <value> dyn-user-group <value> skip-detailed-browsing <yes|no> title <value> filter <value> period <value> start-time <value> end-time <value> vsys <value>

schedule saas-applications-usage-report skip-detailed-report <yes|no> period <value> vsys <value> limit-max-subcat <value> all

schedule saas-applications-usage-report skip-detailed-report <yes|no> period <value> vsys <value> limit-max-subcat <value> all entry include-user-groups-info <yes|no> user-groups

schedule saas-applications-usage-report skip-detailed-report <yes|no> period <value> vsys <value> limit-max-subcat <value> all entry include-user-groups-info <yes|no> user-groups [<user-groups1> <user-groups2>...]

schedule saas-applications-usage-report skip-detailed-report <yes|no> period <value> vsys <value> limit-max-subcat <value> selected-zone

schedule saas-applications-usage-report skip-detailed-report <yes|no> period <value> vsys <value> limit-max-subcat <value> selected-zone entry include-user-groups-info <yes|no> zone <value> user-groups

schedule saas-applications-usage-report skip-detailed-report <yes|no> period <value> vsys <value> limit-max-subcat <value> selected-zone entry include-user-groups-info <yes|no> zone <value> user-groups [<user-groups1> <user-groups2>...]

schedule saas-applications-usage-report skip-detailed-report <yes|no> period <value> vsys <value> limit-max-subcat <value> selected-user-group

schedule saas-applications-usage-report skip-detailed-report <yes|no> period <value> vsys <value> limit-max-subcat <value> selected-user-group entry user-group <value>

schedule botnet-report period <last-calendar-day|last-24-hrs> topn <1-500> query <value>

clear mac <value>|<all>

clear audit-comment xpath <value>

clear policy-app-usage-data ruleuuid <value>

clear rule-hit-count vsys vsys-name <name> rule-base <name> rules all

clear rule-hit-count vsys vsys-name <name> rule-base <name> rules list

clear rule-hit-count vsys vsys-name <name> rule-base <name> rules list [<list1> <list2>...]

clear job id <0-4294967295>

clear query id <0-4294967295>

clear query all-by-session

clear report id <0-4294967295>

clear report all-by-session

```

clear report cache
clear log traffic
clear log threat
clear log gtp
clear log sctp
clear log userid
clear log auth
clear log decryption
clear log config
clear log globalprotect
clear log trace
clear log system
clear log alarm
clear log acc
clear log hipmatch
clear log iptag
clear wildfire counters
clear counter interface
clear counter global name <value>
clear counter global filter category <value> severity <value> aspect <value> packet-filter <yes|no>
clear counter all
clear session id <1-4294967295>
clear session all filter nat <none|source|destination|both> ssl-decrypt <yes|no> decrypt-forwarded
<yes|no> http2-connection <yes|no> tunnel-inspected <yes|no> tunnel-decap <yes|no> decrypt-
mirror <yes|no> type <flow|predict|tunnel|forward|vni> state <initial|opening|active|discard|
closing|closed> vni-id <0-16777215> from <value> to <value> source <ip/netmask> destination
<ip/netmask> source-user <value> destination-user <value> source-port <1-65535> destination-
port <1-65535> protocol <1-255> application <value> rule <value> nat-rule <value> qos-rule
<value> pbf-rule <value> dos-rule <value> sdwan-rule <value> hw-interface <value> min-kb
<1-1048576> min-age <1-4194304> min-queued-l7 <1-1048576> qos-node-id <0-5000>|<-2>
qos-class <1-8> vsys-name <value>|<any> ctd-ver <1-255>
clear fwd-cache id <1-4294967295>
clear fwd-cache all
clear application-signature statistics
clear nat-rule-cache rule <value>
clear bonjour interface

```

```
clear sdwan event
clear sdwan pool unsuccess
clear statistics
clear dos-block-table all filter source-ip <ip/netmask> ingress-zone <value> dos-profile <value>
slot <1-20>
clear dos-block-table drop-counter
clear arp interface
clear arp interface <name> ip <ip/netmask>
clear arp interface <name> mac <value>
clear neighbor ndp-monitor <value>
clear neighbor interface
clear neighbor interface <name> ipv6 <ip/netmask>
clear neighbor interface <name> mac <value>
clear high-availability control-link statistics
clear high-availability transitions
clear high-availability cluster statistics <value>|<all>
clear vpn ike-sa gateway <value>
clear vpn ipsec-sa tunnel <value>
clear vpn ike-preferred-version gateway <value>
clear vpn ike-hashurl
clear vpn flow tunnel-id <1-2147483648>
clear dhcp lease all expired-only
clear dhcp lease interface
clear dhcp lease interface <name> ip <ip/netmask>
clear dhcp lease interface <name> mac <value>
clear dhcp lease interface <name> expired-only
clear routing bgp virtual-router
clear routing bgp virtual-router <name> stat peer <value>
clear routing bgp virtual-router <name> dampening peer <value> prefix <ip/netmask> afi <ipv4|
ipv6> safi <unicast|multicast>
clear routing multicast igmp statistics virtual-router <value>
clear routing multicast pim statistics virtual-router <value>
clear routing bfd counters session-id <1-1024>|<all>
clear routing bfd session-state session-id <1-1024>|<all>
```

```
clear pppoe interface <value>
clear dns-proxy statistics name <value>
clear dns-proxy statistics all
clear dns-proxy cache name
clear dns-proxy cache all domain-name <value>
clear dns-proxy dns-signature cache fqdn <value>
clear dns-proxy dns-signature counters
clear pbf rule name <value>
clear pbf rule all
clear pbf return-mac name <value>
clear pbf return-mac all
clear dos-protection rule
clear dos-protection rule <name> statistics
clear dos-protection zone
clear dos-protection zone <name> blocked source <ip/netmask>
clear dos-protection zone <name> blocked all
clear uappid-filtergroup-mapping id <1-4294967295>
clear uappid-filtergroup-mapping all
clear uappid-policy-cache id <1-4294967295>
clear uappid-policy-cache all
clear user-cache ip <ip/netmask>
clear user-cache all type <UIA|XMLAPI|CP|SSO|GP|AD|EDIR|SYSLOG|GP-CLIENTLESSVPN|
REDIST|UNKNOWN>
clear cookie-surrogate-cache username <value>
clear cookie-surrogate-cache all
clear user-cache-mp ip <ip/netmask>
clear user-cache-mp all type <UIA|XMLAPI|REDIST|CP|SSO|GP|AD|EDIR|SYSLOG|GP-
CLIENTLESSVPN|UNKNOWN>
clear device-cache-mp ip <ip/netmask>
clear device-cache-mp all
clear xml-api multiusersystem ip <ip/netmask>
clear xml-api multiusersystem all
clear uid-cache uid <1-2147483647>
clear uid-cache all
```

```
clear uid-map-cache uid <1-2147483647>
clear uid-map-cache all
clear user-policy-cache uid <1-2147483647>
clear user-policy-cache all
clear url-cache url <value>
clear url-cache all
clear global-protect redirect location
clear global-protect-portal statistics portal <value>
clear auto-tag vsys <value> ip <ip/netmask>
clear auto-tag vsys <value> user <value>
clear auto-tag vsys <value> users
clear auto-tag vsys <value> users [ <users1> <users2>... ]
clear auto-tag vsys <value> tag-dest
clear auto-tag vsys <value> tag-dest <name> registration localhost
clear auto-tag vsys <value> tag-dest <name> registration panorama
clear auto-tag vsys <value> tag-dest <name> registration remote http-profile <value>
clear auto-tag vsys <value> tag-dest <name> tags
clear auto-tag vsys <value> tag-dest <name> tags [ <tags1> <tags2>... ]
clear lldp counters interface <value>
clear lldp counters all
clear lacp counters aggregate-ethernet <value>|<all>
clear ssl-decrypt exclude-cache server <value> application <ssl|ssh>
delete plugins app-data <value>
delete hip-report all logout-only <yes|no> expired-days <1-365>
delete hip-report report user <value> ip <ip/netmask> computer <value>
delete hip-profile-database all
delete hip-profile-database check-delete-all-status
delete hip-profile-database entry ip <ip/netmask> vsys <value>
delete hip-mdm-cache mobile-id <value>
delete user-group-cache
delete device-serialno host serialno <value>
delete device-serialno host all
delete device-serialno host all-from-cloud
```

```
delete device-serialno host all-from-ldap
delete url-database url <value>
delete url-database all
delete wildfire-realtime-cache virus-pattern-type <PE|Hash|ALL>
delete wildfire-realtime-stats
delete admin-sessions username <value>
delete config-audit-history
delete runtime-user-db
delete authentication user-file ssh-known-hosts user username <value>|<all> ip <ip/netmask>
delete authentication user-file ssh-known-hosts self
delete auth strict-username-check
delete report predefined scope
delete report predefined scope <name> report-name
delete report custom scope
delete report custom scope <name> report-name
delete report summary scope
delete report summary scope <name> report-name
delete policy-cache
delete config saved <value>
delete software version <value>
delete global-protect-client image <value>
delete global-protect-client version <value>
delete license key <value>
delete license token-file <value>
delete iot cache old-iot
delete iot cache curr-iot version <value> type <decoder|sml|dfa|tdb|aho-regex|all>
delete content update <value>
delete content cache old-content
delete content cache curr-content version <value> type <decoder|sml|dfa|tdb|aho-regex|all>
delete anti-virus update <value>
delete wildfire update <value>
delete global-protect-clientless-vpn update <value>
delete dnsproxy file <value>
```

```
delete wf-private update <value>
delete high-availability-key
delete high-availability-known-hosts
delete logo
delete debug-log mp-log file <value>
delete debug-log mp-global file <value>
delete debug-log dp-log file <value>
delete pprof management-plane file <value>
delete core data-plane file <value>
delete core management-plane file <value>
delete core large-core file <value>
delete pcap directory <value>
delete data-capture directory <value>
delete unknown-pcap directory <value>
delete debug-filter file <value>
delete ssh-authentication-public-key
delete sslmgr-store satellite-info portal name <value> serialno <value> state <assigned|
unassigned>
delete sslmgr-store certificate-info portal name <value> serialno <value> db-serialno <value>
delete sslmgr-store satellite-info-revoke-certificate portal <value> serialno
delete sslmgr-store satellite-info-revoke-certificate portal <value> serialno [ <serialno1>
<serialno2>... ]
delete log-collector preference-list
show interface <value>|<management|hardware|logical|all>
show transceiver <value>|<all>
show transceiver-detail <value>|<all>
show transceiver-monitor-rate <value>
show virtual-wire <value>|<all>
show vlan <value>|<all>
show mac <value>|<all>
show management-server candidate config-size
show management-server last-committed config-size
show oss-license
show running url <value>
```


show running url-info <value>
show running ml-lookup-cache
show running mlav-model status
show running logging
show running url-license
show running tcp state
show running rule-use highlight vsys <value> rule-base <security|nat|qos|pbf|sdwan|decryption|app-override|authentication|dos|tunnel-inspect|network-packet-broker> type <used|unused>
show running rule-use hit-count vsys <value> rule-base <security|nat|qos|pbf|sdwan|decryption|app-override|authentication|dos|tunnel-inspect|network-packet-broker> rules rule-name <value>
show running rule-use hit-count vsys <value> rule-base <security|nat|qos|pbf|sdwan|decryption|app-override|authentication|dos|tunnel-inspect|network-packet-broker> rules all
show running nat-rule-cache
show running global-ippool summary-only <yes|no>
show running nat-rule-ippool rule <value> show-cache <yes|no> show-freelist <yes|no>
show running ippool
show running security-policy-addresses
show running nat-policy-addresses
show running authentication-policy-addresses
show running tunnel-inspect-policy-addresses
show running decryption-policy-addresses
show running qos-policy-addresses
show running application-override-policy-addresses
show running pbf-policy-addresses
show running sdwan-policy-addresses
show running dos-policy-addresses
show running security-policy
show running nat-policy
show running ndp-proxy interface <value>
show running authentication-policy
show running tunnel-inspect-policy
show running decryption-policy
show running qos-policy
show running application-override-policy

show running pbf-policy
show running sdwan-policy
show running npb-policy
show running dos-policy
show running application-signature statistics
show running application cache all
show running application disabled
show running application setting
show running application statistics
show running resource-monitor second last <1-60>
show running resource-monitor minute last <1-60>
show running resource-monitor hour last <1-24>
show running resource-monitor day last <1-7>
show running resource-monitor week last <1-13>
show running resource-monitor ingress-backlogs
show running tunnel flow name <value>
show running tunnel flow tunnel-id <1-65535>
show running tunnel flow context <1-4294967295>
show running tunnel flow info
show running tunnel flow operation-stats
show running tunnel flow lookup
show running tunnel flow nexthop
show running tunnel flow all filter type <ipsec|sslvpn> state <init|active|inactive>
show running url-cache statistics
show running url-cache all
show running network-packet-broker statistics
show running network-packet-broker status
show running dns-cache statistics
show running ssl-cert-cn
show running appinfo2ip saddr <value> daddr <value> msaddr <value> mdaddr <value> sport
<1-65536> dport <1-65536> msport <1-65536> mdport <1-65536> srczone <value> dstzone
<value> vsys-id <1-255> appid <1-10000>
show running ipv6 address
show parent-info info

show parent-info all

show parent-info filter saddr <value> daddr <value> msaddr <value> mdaddr <value> sport <1-65536> dport <1-65536>

show api-key-expiration-ts

show rule-hit-count vsys vsys-name <name> rule-base <name> rules all

show rule-hit-count vsys vsys-name <name> rule-base <name> rules list

show rule-hit-count vsys vsys-name <name> rule-base <name> rules list [<list1> <list2>...]

show bad-custom-signature

show applications vsys <value> list

show applications vsys <value> list [<list1> <list2>...]

show sp-metadata captive-portal authprofile <value> ip-hostname <value>

show sp-metadata global-protect authprofile <value> ip-hostname <value>

show sp-metadata management authprofile <value> ip-hostname <value>

show max-num-images

show ssh-fingerprints hash-type <md5|sha1|sha256> format <hex|base64>

show ssl-conn-on-cert fail-all-conns

show ssl-conn-on-cert fail-syslog-conns

show syslogng-ssl-conn-validation

show device-telemetry details

show device-telemetry collect-now

show device-telemetry settings

show device-telemetry stats all

show device-telemetry stats product-usage

show device-telemetry stats device-health-performance

show device-telemetry stats threat-prevention

show device-telemetry region-list

show logging-status verbose <yes|no>

show management-clients

show config-locks vsys <value>|<all>

show commit-locks vsys <value>|<all>

show panorama-status

show panorama-certificates

show device-certificate status

show device-certificate info

```
show chassis-ready
show vm-monitor source state <value>|<all>
show vm-monitor source statistics
show vm-monitor source all
show user ip-user-mapping ip <ip/netmask>
show user ip-user-mapping all option <detail|count> type <UIA|CP|SSO|GP|XMLAPI|AD|EDIR|
SYSLOG|GP-CLIENTLESSVPN|REDIST|UNKNOWN>
show user ip-user-mapping-mp limit <1-10000> start-point <1-512000> ip <ip/netmask>
show user ip-user-mapping-mp limit <1-10000> start-point <1-512000> all option <detail|count>
type <UIA|XMLAPI|REDIST|CP|SSO|GP|AD|EDIR|SYSLOG|GP-CLIENTLESSVPN|UNKNOWN>
show user ip-port-user-mapping ip <ip/netmask>
show user ip-port-user-mapping source-user <value>
show user ip-port-user-mapping all
show user ip-port-user-mapping-mp ip <ip/netmask>
show user ip-port-user-mapping-mp source-user <value>
show user ip-port-user-mapping-mp all
show user group-policy-dp gid <1-4294967295>
show user group-policy-dp all
show user group-policy-dp any-user
show user group-policy-dp known-user
show user group-policy-dp unknown-user
show user user-policy-dp uid <1-4294967295>
show user user-policy-dp all
show user user-cache-dp uid <1-4294967295>
show user user-cache-dp all
show user cookie-surrogate-cache-dp username <value>
show user cookie-surrogate-cache-dp all
show user uid2primeuid-dp uid <1-4294967295>
show user uid2primeuid-dp all
show user local-user-db vsys <value> username <value> disabled <yes|no>
show user group name <value>
show user user-id-agent state <value>|<all>
show user user-id-agent statistics
show user user-id-agent config name <value>
```

```

show user user-id-agent config all
show user group-mapping-service query <all|local|remote>
show user group-mapping-service status
show user user-id-service client <value>|<all|all-details>
show user user-id-service status
show user user-id-service ipuser-update-list option <count>
show user ts-agent state <value>|<all>
show user ts-agent statistics
show user xml-api multiusersystem
show user group-mapping state <value>|<all>
show user group-mapping statistics
show user group-mapping naming-context server <ip/netmask>|<value> sp_vsys_id <value>
server-port <1-65535> use-ssl <yes|no> is-active-directory <yes|no> proxy-agent <ip/netmask>|
<value> proxy-agent-port <1-65535>
show user group-selection sp_vsys_id <value> use-ssl <yes|no> verify-server-certificate <yes|
no> base <value> bind-dn <value> bind-password <value> name-attribute <value> group-object
<value> container-object <value> filter <value> search-scope <one|subtree> proxy-agent <ip/
netmask>|<value> proxy-agent-port <1-65535> force <yes|no> server
show user group-selection sp_vsys_id <value> use-ssl <yes|no> verify-server-certificate <yes|
no> base <value> bind-dn <value> bind-password <value> name-attribute <value> group-object
<value> container-object <value> filter <value> search-scope <one|subtree> proxy-agent <ip/
netmask>|<value> proxy-agent-port <1-65535> force <yes|no> server [ <server1> <server2>... ]
show user group-selection sp_vsys_id <value> use-ssl <yes|no> verify-server-certificate <yes|
no> base <value> bind-dn <value> bind-password <value> name-attribute <value> group-object
<value> container-object <value> filter <value> search-scope <one|subtree> proxy-agent <ip/
netmask>|<value> proxy-agent-port <1-65535> force <yes|no> server-port
show user group-selection sp_vsys_id <value> use-ssl <yes|no> verify-server-certificate <yes|
no> base <value> bind-dn <value> bind-password <value> name-attribute <value> group-object
<value> container-object <value> filter <value> search-scope <one|subtree> proxy-agent <ip/
netmask>|<value> proxy-agent-port <1-65535> force <yes|no> server-port [ <server-port1>
<server-port2>... ]
show user email-lookup email <value>|<all>
show user hip-report user <value> ip <ip/netmask> computer <value>
show user user-ids match-user <value>
show user user-ids all option <count>
show user user-attributes user <value>|<all>
show user server-monitor state <value>|<all>
show user server-monitor statistics

```

```
show user server-monitor auto-discover domain <value>
show user credential-filter statistics
show user credential-filter group-mapping
show user ldap-device-serialno serialno <value>
show user ldap-device-serialno all
show user cloud-identity-engine status name <value>
show user cloud-identity-engine status all
show user cloud-identity-engine statistics name <value>
show user cloud-identity-engine statistics all
show user cloud-identity-engine client statistics
show iot ip-device-mapping ip <ip/netmask>
show iot ip-device-mapping all option <count>
show iot ip-device-mapping-mp ip <ip/netmask>
show iot ip-device-mapping-mp all option <count|content-errors>
show iot dp-quarantine-cache ip <ip/netmask>
show iot dp-quarantine-cache all option <count>
show iot host-cache hostid <value>
show iot host-cache all option <count>
show iot icd statistics all
show iot icd statistics cache
show iot icd statistics conn
show iot icd statistics dataplane
show iot icd statistics verdict
show iot icd version
show iot eal all
show iot eal conn
show iot eal dpi-eal
show iot eal hipreport-eal
show iot eal response-time
show iot eal dpi-stats subtype <value>
show iot eal dpi-stats all
show policy-recommendation iot max-count <1-65535> start <0-65535>
show policy-recommendation saas max-count <1-65535> start <0-65535>
```

```
show redistribution agent state <value>|<all>
show redistribution agent statistics
show redistribution service client <value>|<all|all-details>
show redistribution service status
show cloud-appid application <value>
show cloud-appid connection-to-cloud
show cloud-appid version
show cloud-appid application-filter all
show cloud-appid application-filter option vsys <value> name <value>
show cloud-appid app-to-filtergroup-mapping batch-idx <1-1000000> all
show cloud-appid app-to-filtergroup-mapping batch-idx <1-1000000> count
show cloud-appid app-to-filtergroup-mapping batch-idx <1-1000000> statistics
show cloud-appid application-group all
show cloud-appid application-group option vsys <value> name <value>
show cloud-appid task task-index <value>
show cloud-appid task all option <detail>
show cloud-appid task statistics
show cloud-appid transaction trans-index <value>
show cloud-appid transaction all option <detail>
show cloud-appid cloud-app-data container container-id <value>
show cloud-appid cloud-app-data container container-name <value>
show cloud-appid cloud-app-data container all
show cloud-appid cloud-app-data container statistics
show cloud-appid cloud-app-data application app-id <value>
show cloud-appid cloud-app-data application cloud-app-name <value>
show cloud-appid cloud-app-data application all
show cloud-appid cloud-app-data application statistics
show cloud-appid cloud-app-data app-metadata payload
show cloud-appid cloud-app-data app-metadata statistics
show cloud-appid signature-dp appid <value>
show cloud-appid signature-dp pending-request
show cloud-appid signature-dp statistics
show cloud-appid signature-dp application-dp-all
```

```
show cloud-appid signature-dp app-sig-mapping
show cloud-appid signature-dp app-container-mapping
show cloud-appid signature-dp app-signature signature-id <value>
show cloud-appid signature-dp app-signature cloud-app-name <value>
show cloud-appid signature-dp app-signature all
show cloud-appid signature-dp app-signature statistics
show cloud-appid signature-dp threat-signature threat-id <value>
show cloud-appid signature-dp threat-signature cloud-app-name <value>
show cloud-appid signature-dp threat-signature all
show cloud-appid signature-dp threat-signature statistics
show cloud-appid overlap-appid
show cloud-appid ha-info
show cloud-appid app-objects-in-policy
show authentication locked-users vsys <value> auth-profile <value> is-seq <yes|no>
show authentication service-principal vsys <value> authentication-profile <value>
show authentication allowlist
show authentication groupdb
show authentication groupnames
show authentication local-user-db vsys <value> username <value> disabled <yes|no>
show authentication statistics username <value>
show auth strict-username-check
show logrcvr ip-cache vsys <value> ip <ip/netmask> type <Device-ID|Quarantine>
show cloud-auth-service-regions force_refresh <yes|no>
show cloud-auth-service-metadata region_id <value> force_refresh <yes|no>
show cloud-auth-service-tenants region_id <value>
show cloud-auth-service-profiles tenant_id <value> region_id <value>
show dhcp server settings <value>|<all>
show dhcp server lease interface <value>|<all> show-expired <yes|no>
show dhcp client state <value>|<vlan|all>
show dhcp client mgmt-interface-state
show pppoe interface <value>|<all>
show dns-proxy settings name <value>
show dns-proxy settings all
```



```

show dns-proxy settings mgmt-obj
show dns-proxy socket-count all
show dns-proxy statistics name <value>
show dns-proxy statistics all
show dns-proxy statistics mgmt-obj
show dns-proxy cache name <value>
show dns-proxy cache filter FQDN <value> type <RR_A|RR_AAAA|RR_CNAME|RR_MX|RR_PTR>
name <value>
show dns-proxy cache filter FQDN <value> type <RR_A|RR_AAAA|RR_CNAME|RR_MX|RR_PTR>
all
show dns-proxy cache filter FQDN <value> type <RR_A|RR_AAAA|RR_CNAME|RR_MX|RR_PTR>
mgmt-obj
show dns-proxy cache dump file <value> name <value>
show dns-proxy cache dump file <value> filter FQDN <value> type <RR_A|RR_AAAA|
RR_CNAME|RR_MX|RR_PTR> name <value>
show dns-proxy cache dump file <value> filter FQDN <value> type <RR_A|RR_AAAA|
RR_CNAME|RR_MX|RR_PTR> all
show dns-proxy cache dump file <value> filter FQDN <value> type <RR_A|RR_AAAA|
RR_CNAME|RR_MX|RR_PTR> mgmt-obj
show dns-proxy cache dump file <value> all
show dns-proxy cache dump file <value> mgmt-obj
show dns-proxy cache all
show dns-proxy cache mgmt-obj
show dns-proxy static-entries name <value>
show dns-proxy static-entries filter FQDN <value> type <RR_A|RR_AAAA|RR_CNAME|RR_MX|
RR_PTR> name <value>
show dns-proxy static-entries filter FQDN <value> type <RR_A|RR_AAAA|RR_CNAME|RR_MX|
RR_PTR> all
show dns-proxy static-entries dump file <value> name <value>
show dns-proxy static-entries dump file <value> filter FQDN <value> type <RR_A|RR_AAAA|
RR_CNAME|RR_MX|RR_PTR> name <value>
show dns-proxy static-entries dump file <value> filter FQDN <value> type <RR_A|RR_AAAA|
RR_CNAME|RR_MX|RR_PTR> all
show dns-proxy static-entries dump file <value> all
show dns-proxy static-entries all
show dns-proxy ddns interface name <value>|<vlan|all>
show dns-proxy fqdn name <value>

```

```
show dns-proxy fqdn all
show dns-proxy fqdn mgmt-obj
show dns-proxy dns-signature info
show dns-proxy dns-signature cache fqdn <value>
show dns-proxy dns-signature counters
show dns-proxy dns-signature content
show dos-protection rule
show dos-protection rule <name> statistics
show dos-protection rule <name> settings
show dos-protection zone
show dos-protection zone <name> blocked source
show operational-mode
show config saved <value>
show config list admins partial shared-object <excluded> device-and-network <excluded> admin
show config list admins partial shared-object <excluded> device-and-network <excluded> admin
[ <admin1> <admin2>... ]
show config list admins partial shared-object <excluded> device-and-network <excluded> no-vsyes
show config list admins partial shared-object <excluded> device-and-network <excluded> vsyes
show config list admins partial shared-object <excluded> device-and-network <excluded> vsyes
[ <vsyes1> <vsyes2>... ]
show config list changes partial shared-object <excluded> device-and-network <excluded> admin
show config list changes partial shared-object <excluded> device-and-network <excluded> admin
[ <admin1> <admin2>... ]
show config list changes partial shared-object <excluded> device-and-network <excluded> no-
vsyes
show config list changes partial shared-object <excluded> device-and-network <excluded> vsyes
show config list changes partial shared-object <excluded> device-and-network <excluded> vsyes
[ <vsyes1> <vsyes2>... ]
show config list change-summary partial admin
show config list change-summary partial admin [ <admin1> <admin2>... ]
show config list audit-comments xpath <value>
show config diff
show config running xpath <value>
show config effective-running xpath <value>
show config synced
```

show config synced-diff
show config candidate
show config pushed-shared-policy vsys <value>
show config pushed-template
show config merged
show config audit version <value>
show config audit base-version <value>
show config audit base-version-no-deletes <value>
show config audit info
show clock more
show wildfire status channel <public|private>
show wildfire statistics channel <public|private>
show wildfire telemetry-statistics channel <public|private>
show wildfire file-size-limits
show wildfire disk-usage
show wildfire cloud-info channel <public|private>
show cli info
show cli idle-timeout
show cli permissions
show log traffic direction equal <forward|backward>
show log traffic csv-output equal <yes|no>
show log traffic query equal <value>
show log traffic receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log traffic start-time equal <value>
show log traffic end-time equal <value>
show log traffic show-tracker equal <yes|no>
show log traffic src in <value>
show log traffic src not-in <value>
show log traffic dst in <value>
show log traffic dst not-in <value>
show log traffic rule equal <value>
show log traffic rule not-equal <value>
show log traffic rule_uuid equal <value>

```
show log traffic rule_uuid not-equal <value>
show log traffic app equal <value>
show log traffic app not-equal <value>
show log traffic from equal <value>
show log traffic from not-equal <value>
show log traffic to equal <value>
show log traffic to not-equal <value>
show log traffic sport equal <1-65535>
show log traffic sport not-equal <1-65535>
show log traffic dport equal <1-65535>
show log traffic dport not-equal <1-65535>
show log traffic action equal <allow|deny|drop|reset-client|reset-server|reset-both|drop-icmp>
show log traffic action not-equal <allow|deny|drop|reset-client|reset-server|reset-both|drop-icmp>
show log traffic srcuser equal <value>
show log traffic dstuser equal <value>
show log traffic session-end-reason equal <unknown|aged-out|decoder|tcp-reuse|tcp-fin|tcp-rst-from-server|tcp-rst-from-client|resources-unavailable|policy-deny|threat|decrypt-error|decrypt-unsupported-param|decrypt-cert-validation|n/a>
show log traffic session-end-reason not-equal <unknown|aged-out|decoder|tcp-reuse|tcp-fin|tcp-rst-from-server|tcp-rst-from-client|resources-unavailable|policy-deny|threat|decrypt-error|decrypt-unsupported-param|decrypt-cert-validation|n/a>
show log traffic http2_connection equal <0-4294967295>
show log traffic http2_connection not-equal <0-4294967295>
show log threat suppress-threatid-mapping equal <yes|no>
show log threat pcap-dump equal <yes|no>
show log threat direction equal <forward|backward>
show log threat csv-output equal <yes|no>
show log threat query equal <value>
show log threat receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log threat start-time equal <value>
show log threat end-time equal <value>
show log threat src in <value>
show log threat src not-in <value>
```

show log threat dst in <value>
show log threat dst not-in <value>
show log threat rule equal <value>
show log threat rule not-equal <value>
show log threat rule_uuid equal <value>
show log threat rule_uuid not-equal <value>
show log threat app equal <value>
show log threat app not-equal <value>
show log threat from equal <value>
show log threat from not-equal <value>
show log threat to equal <value>
show log threat to not-equal <value>
show log threat sport equal <1-65535>
show log threat sport not-equal <1-65535>
show log threat dport equal <1-65535>
show log threat dport not-equal <1-65535>
show log threat action equal <alert|allow|deny|drop|drop-all|drop-reset|drop-packet|reset-client|reset-server|reset-both|block|block-continue|block-override|block-url|block-ip|continue|override|sinkhole>
show log threat action not-equal <alert|allow|deny|drop|drop-all|drop-reset|drop-packet|reset-client|reset-server|reset-both|block|block-continue|block-override|block-url|block-ip|continue|override|sinkhole>
show log threat srcuser equal <value>
show log threat dstuser equal <value>
show log threat category equal <value>
show log threat category not-equal <value>
show log wildfire direction equal <forward|backward>
show log wildfire csv-output equal <yes|no>
show log wildfire query equal <value>
show log wildfire receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log wildfire start-time equal <value>
show log wildfire end-time equal <value>
show log wildfire src in <value>
show log wildfire src not-in <value>

```
show log wildfire dst in <value>
show log wildfire dst not-in <value>
show log wildfire rule equal <value>
show log wildfire rule not-equal <value>
show log wildfire rule_uuid equal <value>
show log wildfire rule_uuid not-equal <value>
show log wildfire app equal <value>
show log wildfire app not-equal <value>
show log wildfire from equal <value>
show log wildfire from not-equal <value>
show log wildfire to equal <value>
show log wildfire to not-equal <value>
show log wildfire sport equal <1-65535>
show log wildfire sport not-equal <1-65535>
show log wildfire dport equal <1-65535>
show log wildfire dport not-equal <1-65535>
show log wildfire srcuser equal <value>
show log wildfire dstuser equal <value>
show log wildfire category equal <benign|grayware|malicious|phishing>
show log wildfire category not-equal <benign|grayware|malicious|phishing>
show log url suppress-threatid-mapping equal <yes|no>
show log url direction equal <forward|backward>
show log url csv-output equal <yes|no>
show log url query equal <value>
show log url receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log url start-time equal <value>
show log url end-time equal <value>
show log url src in <value>
show log url src not-in <value>
show log url dst in <value>
show log url dst not-in <value>
show log url rule equal <value>
show log url rule not-equal <value>
```

```
show log url rule_uuid equal <value>
show log url rule_uuid not-equal <value>
show log url app equal <value>
show log url app not-equal <value>
show log url from equal <value>
show log url from not-equal <value>
show log url to equal <value>
show log url to not-equal <value>
show log url sport equal <1-65535>
show log url sport not-equal <1-65535>
show log url dport equal <1-65535>
show log url dport not-equal <1-65535>
show log url action equal <alert|allow|deny|drop|drop-all|reset-client|reset-server|reset-both|
block-url>
show log url action not-equal <alert|allow|deny|drop|drop-all|reset-client|reset-server|reset-both|
block-url>
show log url srcuser equal <value>
show log url dstuser equal <value>
show log url category equal <value>
show log url category not-equal <value>
show log data suppress-threatid-mapping equal <yes|no>
show log data direction equal <forward|backward>
show log data csv-output equal <yes|no>
show log data query equal <value>
show log data receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log data start-time equal <value>
show log data end-time equal <value>
show log data src in <value>
show log data src not-in <value>
show log data dst in <value>
show log data dst not-in <value>
show log data rule equal <value>
show log data rule not-equal <value>
```

```
show log data rule_uuid equal <value>
show log data rule_uuid not-equal <value>
show log data app equal <value>
show log data app not-equal <value>
show log data from equal <value>
show log data from not-equal <value>
show log data to equal <value>
show log data to not-equal <value>
show log data sport equal <1-65535>
show log data sport not-equal <1-65535>
show log data dport equal <1-65535>
show log data dport not-equal <1-65535>
show log data action equal <alert|allow|deny|drop|drop-all|reset-client|reset-server|reset-both|
block-url|wildfire-upload-success|wildfire-upload-fail|wildfire-upload-skip>
show log data action not-equal <alert|allow|deny|drop|drop-all|reset-client|reset-server|reset-
both|block-url|wildfire-upload-success|wildfire-upload-fail|wildfire-upload-skip>
show log data srcuser equal <value>
show log data dstuser equal <value>
show log data category equal <value>
show log data category not-equal <value>
show log tunnel direction equal <forward|backward>
show log tunnel csv-output equal <yes|no>
show log tunnel query equal <value>
show log tunnel receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log tunnel start-time equal <value>
show log tunnel end-time equal <value>
show log tunnel src in <value>
show log tunnel src not-in <value>
show log tunnel dst in <value>
show log tunnel dst not-in <value>
show log tunnel rule equal <value>
show log tunnel rule not-equal <value>
show log tunnel rule_uuid equal <value>
```



```
show log tunnel rule_uuid not-equal <value>
show log tunnel app equal <value>
show log tunnel app not-equal <value>
show log tunnel from equal <value>
show log tunnel from not-equal <value>
show log tunnel to equal <value>
show log tunnel to not-equal <value>
show log tunnel sport equal <1-65535>
show log tunnel sport not-equal <1-65535>
show log tunnel dport equal <1-65535>
show log tunnel dport not-equal <1-65535>
show log tunnel action equal <allow|deny|drop|reset-client|reset-server|reset-both|drop-icmp>
show log tunnel action not-equal <allow|deny|drop|reset-client|reset-server|reset-both|drop-icmp>
show log tunnel srcuser equal <value>
show log tunnel dstuser equal <value>
show log tunnel severity equal <critical|high|medium|low|informational>
show log tunnel severity not-equal <critical|high|medium|low|informational>
show log tunnel severity greater-than-or-equal <critical|high|medium|low|informational>
show log tunnel severity less-than-or-equal <critical|high|medium|low|informational>
show log tunnel tunnelid equal <value>
show log tunnel tunnelid not-equal <value>
show log tunnel monitortag equal <value>
show log tunnel monitortag not-equal <value>
show log config direction equal <forward|backward>
show log config csv-output equal <yes|no>
show log config query equal <value>
show log config receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log config start-time equal <value>
show log config end-time equal <value>
show log config client equal <web|cli>
show log config client not-equal <web|cli>
```

show log config cmd equal <add|clone|commit|create|delete|edit|get|load-from-disk|move|rename|save-to-disk|set>

show log config cmd not-equal <add|clone|commit|create|delete|edit|get|load-from-disk|move|rename|save-to-disk|set>

show log config result equal <succeeded|failed|unauthorized>

show log config result not-equal <succeeded|failed|unauthorized>

show log system direction equal <forward|backward>

show log system csv-output equal <yes|no>

show log system query equal <value>

show log system receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

show log system start-time equal <value>

show log system end-time equal <value>

show log system opaque contains <value>

show log system severity equal <critical|high|medium|low|informational>

show log system severity not-equal <critical|high|medium|low|informational>

show log system severity greater-than-or-equal <critical|high|medium|low|informational>

show log system severity less-than-or-equal <critical|high|medium|low|informational>

show log system subtype equal <value>

show log system subtype not-equal <value>

show log system object equal <value>

show log system object not-equal <value>

show log system eventid equal <value>

show log system eventid not-equal <value>

show log system id equal <value>

show log system id not-equal <value>

show log alarm opaque contains <value>

show log alarm direction equal <forward|backward>

show log alarm csv-output equal <yes|no>

show log alarm query equal <value>

show log alarm receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

show log alarm start-time equal <value>

show log alarm end-time equal <value>

show log alarm vsys equal <value>

```
show log alarm admin equal <value>
show log alarm src equal <value>
show log alarm dst equal <value>
show log alarm sport equal <0-65535>
show log alarm dport equal <0-65535>
show log alarm ack_admin equal <value>
show log alarm rulegroup equal <value>
show log alarm time_acknowledged equal <value>
show log appstat direction equal <forward|backward>
show log appstat csv-output equal <yes|no>
show log appstat query equal <value>
show log appstat receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-
hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log appstat start-time equal <value>
show log appstat end-time equal <value>
show log appstat name equal <value>
show log appstat name not-equal <value>
show log appstat risk equal <1|2|3|4|5>
show log appstat risk not-equal <1|2|3|4|5>
show log appstat risk greater-than-or-equal <1|2|3|4|5>
show log appstat risk less-than-or-equal <1|2|3|4|5>
show log decryption direction equal <forward|backward>
show log decryption csv-output equal <yes|no>
show log decryption query equal <value>
show log decryption receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|
last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log decryption start-time equal <value>
show log decryption end-time equal <value>
show log decryption show-tracker equal <yes|no>
show log decryption src in <value>
show log decryption src not-in <value>
show log decryption dst in <value>
show log decryption dst not-in <value>
```

```

show log decryption proxy_type equal <forward|inbound|globalprotect|globalprotect_tunnel|
nodecrypt|clientless_vpn|broker|ssh|cleartext|remote_host>
show log decryption policy_name equal <value>
show log decryption policy_name not-equal <value>
show log decryption sni equal <value>
show log decryption sni not-equal <value>
show log decryption tls_keyxchg equal <annon|rsa|dh3|ecdhe>
show log decryption tls_version equal <Unknown|SSL2.0|SSL3.0|TLS1.0|TLS1.1|TLS1.2|TLS1.2+>
show log decryption tls_enc equal <ANULL|RC4_40|RC4_56|RC4_128|DES_CBC|DES40_CBC|
3DES_EDE_CBC|AES_128_CBC|AES_256_CBC|AES_128_GCM|AES_256_GCM>
show log decryption tls_auth equal <ANULL|MD2|MD5|SHA|SHA256|SHA384|SHA512|AEAD>
show log decryption ec_curve equal <sect163k1|sect163r1|sect163r2|sect193r1|
sect193r2|sect233k1|sect233r1|sect239k1|sect283k1|sect283r1|sect409k1|sect409r1|
sect571k1|sect571r1|secp160k1|secp160r1|secp192k1|secp224k1|secp224r1|secp256k1|
X9_62_prime192v1|X9_62_prime256v1|secp384r1|secp521k1>
show log decryption rule equal <value>
show log decryption rule not-equal <value>
show log decryption app equal <value>
show log decryption app not-equal <value>
show log decryption from equal <value>
show log decryption from not-equal <value>
show log decryption to equal <value>
show log decryption to not-equal <value>
show log decryption sport equal <1-65535>
show log decryption sport not-equal <1-65535>
show log decryption dport equal <1-65535>
show log decryption dport not-equal <1-65535>
show log decryption action equal <allow|deny|drop|reset-client|reset-server|reset-both|drop-
icmp>
show log decryption action not-equal <allow|deny|drop|reset-client|reset-server|reset-both|drop-
icmp>
show log decryption srcuser equal <value>
show log decryption dstuser equal <value>
show log trsum direction equal <forward|backward>
show log trsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

```

```
show log trsum csv-output equal <yes|no>
show log trsum query equal <value>
show log trsum start-time equal <value>
show log trsum end-time equal <value>
show log trsum app equal <value>
show log trsum app not-equal <value>
show log trsum src in <value>
show log trsum dst in <value>
show log trsum rule equal <value>
show log trsum rule not-equal <value>
show log trsum rule_uuid equal <value>
show log trsum rule_uuid not-equal <value>
show log trsum srcuser equal <value>
show log trsum srcuser not-equal <value>
show log trsum dstuser equal <value>
show log trsum dstuser not-equal <value>
show log trsum srcloc equal <value>
show log trsum srcloc not-equal <value>
show log trsum srcloc greater-than-or-equal <value>
show log trsum srcloc less-than-or-equal <value>
show log trsum dstloc equal <value>
show log trsum dstloc not-equal <value>
show log trsum dstloc greater-than-or-equal <value>
show log trsum dstloc less-than-or-equal <value>
show log hourlytrsum direction equal <forward|backward>
show log hourlytrsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|
last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log hourlytrsum csv-output equal <yes|no>
show log hourlytrsum query equal <value>
show log hourlytrsum start-time equal <value>
show log hourlytrsum end-time equal <value>
show log hourlytrsum app equal <value>
show log hourlytrsum app not-equal <value>
show log hourlytrsum src in <value>
```

show log hourlytrsum dst in <value>
show log hourlytrsum rule equal <value>
show log hourlytrsum rule not-equal <value>
show log hourlytrsum rule_uuid equal <value>
show log hourlytrsum rule_uuid not-equal <value>
show log hourlytrsum srcuser equal <value>
show log hourlytrsum srcuser not-equal <value>
show log hourlytrsum dstuser equal <value>
show log hourlytrsum dstuser not-equal <value>
show log hourlytrsum srcloc equal <value>
show log hourlytrsum srcloc not-equal <value>
show log hourlytrsum srcloc greater-than-or-equal <value>
show log hourlytrsum srcloc less-than-or-equal <value>
show log hourlytrsum dstloc equal <value>
show log hourlytrsum dstloc not-equal <value>
show log hourlytrsum dstloc greater-than-or-equal <value>
show log hourlytrsum dstloc less-than-or-equal <value>
show log dailytrsum direction equal <forward|backward>
show log dailytrsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log dailytrsum csv-output equal <yes|no>
show log dailytrsum query equal <value>
show log dailytrsum start-time equal <value>
show log dailytrsum end-time equal <value>
show log dailytrsum app equal <value>
show log dailytrsum app not-equal <value>
show log dailytrsum src in <value>
show log dailytrsum dst in <value>
show log dailytrsum rule equal <value>
show log dailytrsum rule not-equal <value>
show log dailytrsum rule_uuid equal <value>
show log dailytrsum rule_uuid not-equal <value>
show log dailytrsum srcuser equal <value>
show log dailytrsum srcuser not-equal <value>

show log dailytrsum dstuser equal <value>
show log dailytrsum dstuser not-equal <value>
show log dailytrsum srcloc equal <value>
show log dailytrsum srcloc not-equal <value>
show log dailytrsum srcloc greater-than-or-equal <value>
show log dailytrsum srcloc less-than-or-equal <value>
show log dailytrsum dstloc equal <value>
show log dailytrsum dstloc not-equal <value>
show log dailytrsum dstloc greater-than-or-equal <value>
show log dailytrsum dstloc less-than-or-equal <value>
show log weeklytrsum direction equal <forward|backward>
show log weeklytrsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log weeklytrsum csv-output equal <yes|no>
show log weeklytrsum query equal <value>
show log weeklytrsum start-time equal <value>
show log weeklytrsum end-time equal <value>
show log weeklytrsum app equal <value>
show log weeklytrsum app not-equal <value>
show log weeklytrsum src in <value>
show log weeklytrsum dst in <value>
show log weeklytrsum rule equal <value>
show log weeklytrsum rule not-equal <value>
show log weeklytrsum rule_uuid equal <value>
show log weeklytrsum rule_uuid not-equal <value>
show log weeklytrsum srcuser equal <value>
show log weeklytrsum srcuser not-equal <value>
show log weeklytrsum dstuser equal <value>
show log weeklytrsum dstuser not-equal <value>
show log weeklytrsum srcloc equal <value>
show log weeklytrsum srcloc not-equal <value>
show log weeklytrsum srcloc greater-than-or-equal <value>
show log weeklytrsum srcloc less-than-or-equal <value>
show log weeklytrsum dstloc equal <value>

show log weeklytrsum dstloc not-equal <value>
show log weeklytrsum dstloc greater-than-or-equal <value>
show log weeklytrsum dstloc less-than-or-equal <value>
show log thsum direction equal <forward|backward>
show log thsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log thsum csv-output equal <yes|no>
show log thsum query equal <value>
show log thsum start-time equal <value>
show log thsum end-time equal <value>
show log thsum app equal <value>
show log thsum app not-equal <value>
show log thsum src in <value>
show log thsum dst in <value>
show log thsum rule equal <value>
show log thsum rule not-equal <value>
show log thsum rule_uuid equal <value>
show log thsum rule_uuid not-equal <value>
show log thsum srcuser equal <value>
show log thsum srcuser not-equal <value>
show log thsum dstuser equal <value>
show log thsum dstuser not-equal <value>
show log thsum srcloc equal <value>
show log thsum srcloc not-equal <value>
show log thsum srcloc greater-than-or-equal <value>
show log thsum srcloc less-than-or-equal <value>
show log thsum dstloc equal <value>
show log thsum dstloc not-equal <value>
show log thsum dstloc greater-than-or-equal <value>
show log thsum dstloc less-than-or-equal <value>
show log thsum threatid equal <value>
show log thsum threatid not-equal <value>
show log thsum threatid greater-than-or-equal <value>
show log thsum threatid less-than-or-equal <value>

show log thsum subtype equal <attack|url|virus|spyware|vulnerability|file|scan|flood|packet|resource|data|wildfire|wildfire-virus>

show log thsum subtype not-equal <attack|url|virus|spyware|vulnerability|file|scan|flood|packet|resource|data|wildfire|wildfire-virus>

show log hourlythsum direction equal <forward|backward>

show log hourlythsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

show log hourlythsum csv-output equal <yes|no>

show log hourlythsum query equal <value>

show log hourlythsum start-time equal <value>

show log hourlythsum end-time equal <value>

show log hourlythsum app equal <value>

show log hourlythsum app not-equal <value>

show log hourlythsum src in <value>

show log hourlythsum dst in <value>

show log hourlythsum rule equal <value>

show log hourlythsum rule not-equal <value>

show log hourlythsum rule_uuid equal <value>

show log hourlythsum rule_uuid not-equal <value>

show log hourlythsum srcuser equal <value>

show log hourlythsum srcuser not-equal <value>

show log hourlythsum dstuser equal <value>

show log hourlythsum dstuser not-equal <value>

show log hourlythsum srcloc equal <value>

show log hourlythsum srcloc not-equal <value>

show log hourlythsum srcloc greater-than-or-equal <value>

show log hourlythsum srcloc less-than-or-equal <value>

show log hourlythsum dstloc equal <value>

show log hourlythsum dstloc not-equal <value>

show log hourlythsum dstloc greater-than-or-equal <value>

show log hourlythsum dstloc less-than-or-equal <value>

show log hourlythsum threatid equal <value>

show log hourlythsum threatid not-equal <value>

show log hourlythsum threatid greater-than-or-equal <value>

show log hourlythsum threatid less-than-or-equal <value>

show log hourlythsum subtype equal <attack|url|virus|spyware|vulnerability|file|scan|flood|packet|resource|data|wildfire|wildfire-virus>

show log hourlythsum subtype not-equal <attack|url|virus|spyware|vulnerability|file|scan|flood|packet|resource|data|wildfire|wildfire-virus>

show log dailythsum direction equal <forward|backward>

show log dailythsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

show log dailythsum csv-output equal <yes|no>

show log dailythsum query equal <value>

show log dailythsum start-time equal <value>

show log dailythsum end-time equal <value>

show log dailythsum app equal <value>

show log dailythsum app not-equal <value>

show log dailythsum src in <value>

show log dailythsum dst in <value>

show log dailythsum rule equal <value>

show log dailythsum rule not-equal <value>

show log dailythsum rule_uuid equal <value>

show log dailythsum rule_uuid not-equal <value>

show log dailythsum srcuser equal <value>

show log dailythsum srcuser not-equal <value>

show log dailythsum dstuser equal <value>

show log dailythsum dstuser not-equal <value>

show log dailythsum srcloc equal <value>

show log dailythsum srcloc not-equal <value>

show log dailythsum srcloc greater-than-or-equal <value>

show log dailythsum srcloc less-than-or-equal <value>

show log dailythsum dstloc equal <value>

show log dailythsum dstloc not-equal <value>

show log dailythsum dstloc greater-than-or-equal <value>

show log dailythsum dstloc less-than-or-equal <value>

show log dailythsum threatid equal <value>

show log dailythsum threatid not-equal <value>

show log dailythsum threatid greater-than-or-equal <value>

show log dailythsum threatid less-than-or-equal <value>

show log dailythsum subtype equal <attack|url|virus|spyware|vulnerability|file|scan|flood|packet|resource|data|wildfire|wildfire-virus>

show log dailythsum subtype not-equal <attack|url|virus|spyware|vulnerability|file|scan|flood|packet|resource|data|wildfire|wildfire-virus>

show log weeklythsum direction equal <forward|backward>

show log weeklythsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

show log weeklythsum csv-output equal <yes|no>

show log weeklythsum query equal <value>

show log weeklythsum start-time equal <value>

show log weeklythsum end-time equal <value>

show log weeklythsum app equal <value>

show log weeklythsum app not-equal <value>

show log weeklythsum src in <value>

show log weeklythsum dst in <value>

show log weeklythsum rule equal <value>

show log weeklythsum rule not-equal <value>

show log weeklythsum rule_uuid equal <value>

show log weeklythsum rule_uuid not-equal <value>

show log weeklythsum srcuser equal <value>

show log weeklythsum srcuser not-equal <value>

show log weeklythsum dstuser equal <value>

show log weeklythsum dstuser not-equal <value>

show log weeklythsum srcloc equal <value>

show log weeklythsum srcloc not-equal <value>

show log weeklythsum srcloc greater-than-or-equal <value>

show log weeklythsum srcloc less-than-or-equal <value>

show log weeklythsum dstloc equal <value>

show log weeklythsum dstloc not-equal <value>

show log weeklythsum dstloc greater-than-or-equal <value>

show log weeklythsum dstloc less-than-or-equal <value>

show log weeklythsum threatid equal <value>

show log weeklythsum threatid not-equal <value>

show log weeklythsum threatid greater-than-or-equal <value>

show log weeklythsum threatid less-than-or-equal <value>

show log weeklythsum subtype equal <attack|url|virus|spyware|vulnerability|file|scan|flood|packet|resource|data|wildfire|wildfire-virus>

show log weeklythsum subtype not-equal <attack|url|virus|spyware|vulnerability|file|scan|flood|packet|resource|data|wildfire|wildfire-virus>

show log urlsum direction equal <forward|backward>

show log urlsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

show log urlsum csv-output equal <yes|no>

show log urlsum query equal <value>

show log urlsum start-time equal <value>

show log urlsum end-time equal <value>

show log urlsum app equal <value>

show log urlsum app not-equal <value>

show log urlsum src in <value>

show log urlsum dst in <value>

show log urlsum rule equal <value>

show log urlsum rule not-equal <value>

show log urlsum rule_uuid equal <value>

show log urlsum rule_uuid not-equal <value>

show log urlsum srcuser equal <value>

show log urlsum srcuser not-equal <value>

show log urlsum dstuser equal <value>

show log urlsum dstuser not-equal <value>

show log urlsum srcloc equal <value>

show log urlsum srcloc not-equal <value>

show log urlsum srcloc greater-than-or-equal <value>

show log urlsum srcloc less-than-or-equal <value>

show log urlsum dstloc equal <value>

show log urlsum dstloc not-equal <value>

show log urlsum dstloc greater-than-or-equal <value>

show log urlsum dstloc less-than-or-equal <value>

```
show log hourlyurlsum direction equal <forward|backward>
show log hourlyurlsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|
last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log hourlyurlsum csv-output equal <yes|no>
show log hourlyurlsum query equal <value>
show log hourlyurlsum start-time equal <value>
show log hourlyurlsum end-time equal <value>
show log hourlyurlsum app equal <value>
show log hourlyurlsum app not-equal <value>
show log hourlyurlsum src in <value>
show log hourlyurlsum dst in <value>
show log hourlyurlsum rule equal <value>
show log hourlyurlsum rule not-equal <value>
show log hourlyurlsum rule_uuid equal <value>
show log hourlyurlsum rule_uuid not-equal <value>
show log hourlyurlsum srcuser equal <value>
show log hourlyurlsum srcuser not-equal <value>
show log hourlyurlsum dstuser equal <value>
show log hourlyurlsum dstuser not-equal <value>
show log hourlyurlsum srcloc equal <value>
show log hourlyurlsum srcloc not-equal <value>
show log hourlyurlsum srcloc greater-than-or-equal <value>
show log hourlyurlsum srcloc less-than-or-equal <value>
show log hourlyurlsum dstloc equal <value>
show log hourlyurlsum dstloc not-equal <value>
show log hourlyurlsum dstloc greater-than-or-equal <value>
show log hourlyurlsum dstloc less-than-or-equal <value>
show log dailyurlsum direction equal <forward|backward>
show log dailyurlsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|
last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log dailyurlsum csv-output equal <yes|no>
show log dailyurlsum query equal <value>
show log dailyurlsum start-time equal <value>
show log dailyurlsum end-time equal <value>
```

```
show log dailyurlsum app equal <value>
show log dailyurlsum app not-equal <value>
show log dailyurlsum src in <value>
show log dailyurlsum dst in <value>
show log dailyurlsum rule equal <value>
show log dailyurlsum rule not-equal <value>
show log dailyurlsum rule_uuid equal <value>
show log dailyurlsum rule_uuid not-equal <value>
show log dailyurlsum srcuser equal <value>
show log dailyurlsum srcuser not-equal <value>
show log dailyurlsum dstuser equal <value>
show log dailyurlsum dstuser not-equal <value>
show log dailyurlsum srcloc equal <value>
show log dailyurlsum srcloc not-equal <value>
show log dailyurlsum srcloc greater-than-or-equal <value>
show log dailyurlsum srcloc less-than-or-equal <value>
show log dailyurlsum dstloc equal <value>
show log dailyurlsum dstloc not-equal <value>
show log dailyurlsum dstloc greater-than-or-equal <value>
show log dailyurlsum dstloc less-than-or-equal <value>
show log weeklyurlsum direction equal <forward|backward>
show log weeklyurlsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|
last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log weeklyurlsum csv-output equal <yes|no>
show log weeklyurlsum query equal <value>
show log weeklyurlsum start-time equal <value>
show log weeklyurlsum end-time equal <value>
show log weeklyurlsum app equal <value>
show log weeklyurlsum app not-equal <value>
show log weeklyurlsum src in <value>
show log weeklyurlsum dst in <value>
show log weeklyurlsum rule equal <value>
show log weeklyurlsum rule not-equal <value>
show log weeklyurlsum rule_uuid equal <value>
```

```
show log weeklyurlsum rule_uuid not-equal <value>
show log weeklyurlsum srcuser equal <value>
show log weeklyurlsum srcuser not-equal <value>
show log weeklyurlsum dstuser equal <value>
show log weeklyurlsum dstuser not-equal <value>
show log weeklyurlsum srcloc equal <value>
show log weeklyurlsum srcloc not-equal <value>
show log weeklyurlsum srcloc greater-than-or-equal <value>
show log weeklyurlsum srcloc less-than-or-equal <value>
show log weeklyurlsum dstloc equal <value>
show log weeklyurlsum dstloc not-equal <value>
show log weeklyurlsum dstloc greater-than-or-equal <value>
show log weeklyurlsum dstloc less-than-or-equal <value>
show log gtpsum direction equal <forward|backward>
show log gtpsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-
hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log gtpsum csv-output equal <yes|no>
show log gtpsum query equal <value>
show log gtpsum start-time equal <value>
show log gtpsum end-time equal <value>
show log gtpsum app equal <value>
show log gtpsum app not-equal <value>
show log gtpsum src in <value>
show log gtpsum dst in <value>
show log gtpsum rule equal <value>
show log gtpsum rule not-equal <value>
show log gtpsum rule_uuid equal <value>
show log gtpsum rule_uuid not-equal <value>
show log gtpsum srcloc equal <value>
show log gtpsum srcloc not-equal <value>
show log gtpsum srcloc greater-than-or-equal <value>
show log gtpsum srcloc less-than-or-equal <value>
show log gtpsum dstloc equal <value>
show log gtpsum dstloc not-equal <value>
```

```
show log gtpsum dstloc greater-than-or-equal <value>
show log gtpsum dstloc less-than-or-equal <value>
show log gtpsum imsi equal <value>
show log gtpsum imsi not-equal <value>
show log gtpsum imei equal <value>
show log gtpsum imei not-equal <value>
show log gtpsum parent_session_id equal <value>
show log gtpsum parent_session_id not-equal <value>
show log hourlygtpsum direction equal <forward|backward>
show log hourlygtpsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|
last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log hourlygtpsum csv-output equal <yes|no>
show log hourlygtpsum query equal <value>
show log hourlygtpsum start-time equal <value>
show log hourlygtpsum end-time equal <value>
show log hourlygtpsum app equal <value>
show log hourlygtpsum app not-equal <value>
show log hourlygtpsum src in <value>
show log hourlygtpsum dst in <value>
show log hourlygtpsum rule equal <value>
show log hourlygtpsum rule not-equal <value>
show log hourlygtpsum rule_uuid equal <value>
show log hourlygtpsum rule_uuid not-equal <value>
show log hourlygtpsum srcloc equal <value>
show log hourlygtpsum srcloc not-equal <value>
show log hourlygtpsum srcloc greater-than-or-equal <value>
show log hourlygtpsum srcloc less-than-or-equal <value>
show log hourlygtpsum dstloc equal <value>
show log hourlygtpsum dstloc not-equal <value>
show log hourlygtpsum dstloc greater-than-or-equal <value>
show log hourlygtpsum dstloc less-than-or-equal <value>
show log hourlygtpsum imsi equal <value>
show log hourlygtpsum imsi not-equal <value>
show log hourlygtpsum imei equal <value>
```


show log hourlygtpsum imei not-equal <value>
show log hourlygtpsum parent_session_id equal <value>
show log hourlygtpsum parent_session_id not-equal <value>
show log dailygtpsum direction equal <forward|backward>
show log dailygtpsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log dailygtpsum csv-output equal <yes|no>
show log dailygtpsum query equal <value>
show log dailygtpsum start-time equal <value>
show log dailygtpsum end-time equal <value>
show log dailygtpsum app equal <value>
show log dailygtpsum app not-equal <value>
show log dailygtpsum src in <value>
show log dailygtpsum dst in <value>
show log dailygtpsum rule equal <value>
show log dailygtpsum rule not-equal <value>
show log dailygtpsum rule_uuid equal <value>
show log dailygtpsum rule_uuid not-equal <value>
show log dailygtpsum srcloc equal <value>
show log dailygtpsum srcloc not-equal <value>
show log dailygtpsum srcloc greater-than-or-equal <value>
show log dailygtpsum srcloc less-than-or-equal <value>
show log dailygtpsum dstloc equal <value>
show log dailygtpsum dstloc not-equal <value>
show log dailygtpsum dstloc greater-than-or-equal <value>
show log dailygtpsum dstloc less-than-or-equal <value>
show log dailygtpsum imsi equal <value>
show log dailygtpsum imsi not-equal <value>
show log dailygtpsum imei equal <value>
show log dailygtpsum imei not-equal <value>
show log dailygtpsum parent_session_id equal <value>
show log dailygtpsum parent_session_id not-equal <value>
show log weeklygtpsum direction equal <forward|backward>

```
show log weeklygtpsum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|
last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log weeklygtpsum csv-output equal <yes|no>
show log weeklygtpsum query equal <value>
show log weeklygtpsum start-time equal <value>
show log weeklygtpsum end-time equal <value>
show log weeklygtpsum app equal <value>
show log weeklygtpsum app not-equal <value>
show log weeklygtpsum src in <value>
show log weeklygtpsum dst in <value>
show log weeklygtpsum rule equal <value>
show log weeklygtpsum rule not-equal <value>
show log weeklygtpsum rule_uuid equal <value>
show log weeklygtpsum rule_uuid not-equal <value>
show log weeklygtpsum srcloc equal <value>
show log weeklygtpsum srcloc not-equal <value>
show log weeklygtpsum srcloc greater-than-or-equal <value>
show log weeklygtpsum srcloc less-than-or-equal <value>
show log weeklygtpsum dstloc equal <value>
show log weeklygtpsum dstloc not-equal <value>
show log weeklygtpsum dstloc greater-than-or-equal <value>
show log weeklygtpsum dstloc less-than-or-equal <value>
show log weeklygtpsum imsi equal <value>
show log weeklygtpsum imsi not-equal <value>
show log weeklygtpsum imei equal <value>
show log weeklygtpsum imei not-equal <value>
show log weeklygtpsum parent_session_id equal <value>
show log weeklygtpsum parent_session_id not-equal <value>
show log desum direction equal <forward|backward>
show log desum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log desum csv-output equal <yes|no>
show log desum query equal <value>
show log desum start-time equal <value>
```

```
show log desum end-time equal <value>
show log desum src in <value>
show log desum dst in <value>
show log desum vsys equal <value>
show log desum vsys not-equal <value>
show log desum srcuser equal <value>
show log desum srcuser not-equal <value>
show log desum dstuser equal <value>
show log desum dstuser not-equal <value>
show log desum from equal <value>
show log desum from not-equal <value>
show log desum to equal <value>
show log desum to not-equal <value>
show log desum tls_version equal <Unknown|SSL2.0|SSL3.0|TLS1.0|TLS1.1|TLS1.2|TLS1.2+>
show log desum tls_keyxchg equal <annon|rsa|dh3|ecdhe>
show log desum tls_enc equal <ANULL|RC4_40|RC4_56|RC4_128|DES_CBC|DES40_CBC|
3DES_EDE_CBC|AES_128_CBC|AES_256_CBC|AES_128_GCM|AES_256_GCM>
show log desum tls_auth equal <ANULL|MD2|MD5|SHA|SHA256|SHA384|SHA512|AEAD>
show log desum policy_name equal <value>
show log desum policy_name not-equal <value>
show log desum sni equal <value>
show log desum sni not-equal <value>
show log desum error equal <value>
show log desum error not-equal <value>
show log hourlydesum direction equal <forward|backward>
show log hourlydesum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|
last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log hourlydesum csv-output equal <yes|no>
show log hourlydesum query equal <value>
show log hourlydesum start-time equal <value>
show log hourlydesum end-time equal <value>
show log hourlydesum src in <value>
show log hourlydesum dst in <value>
show log hourlydesum vsys equal <value>
```

show log hourlydesum vsys not-equal <value>
show log hourlydesum srcuser equal <value>
show log hourlydesum srcuser not-equal <value>
show log hourlydesum dstuser equal <value>
show log hourlydesum dstuser not-equal <value>
show log hourlydesum from equal <value>
show log hourlydesum from not-equal <value>
show log hourlydesum to equal <value>
show log hourlydesum to not-equal <value>
show log hourlydesum tls_version equal <Unknown|SSL2.0|SSL3.0|TLS1.0|TLS1.1|TLS1.2|TLS1.2+>
show log hourlydesum tls_keyxchg equal <annon|rsa|dh3|ecdhe>
show log hourlydesum tls_enc equal <ANULL|RC4_40|RC4_56|RC4_128|DES_CBC|DES40_CBC|3DES_EDE_CBC|AES_128_CBC|AES_256_CBC|AES_128_GCM|AES_256_GCM>
show log hourlydesum tls_auth equal <ANULL|MD2|MD5|SHA|SHA256|SHA384|SHA512|AEAD>
show log hourlydesum policy_name equal <value>
show log hourlydesum policy_name not-equal <value>
show log hourlydesum sni equal <value>
show log hourlydesum sni not-equal <value>
show log hourlydesum error equal <value>
show log hourlydesum error not-equal <value>
show log dailydesum direction equal <forward|backward>
show log dailydesum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log dailydesum csv-output equal <yes|no>
show log dailydesum query equal <value>
show log dailydesum start-time equal <value>
show log dailydesum end-time equal <value>
show log dailydesum src in <value>
show log dailydesum dst in <value>
show log dailydesum vsys equal <value>
show log dailydesum vsys not-equal <value>
show log dailydesum srcuser equal <value>
show log dailydesum srcuser not-equal <value>

show log dailydesum dstuser equal <value>
show log dailydesum dstuser not-equal <value>
show log dailydesum from equal <value>
show log dailydesum from not-equal <value>
show log dailydesum to equal <value>
show log dailydesum to not-equal <value>
show log dailydesum tls_version equal <Unknown|SSL2.0|SSL3.0|TLS1.0|TLS1.1|TLS1.2|TLS1.2+>
show log dailydesum tls_keyxchg equal <annon|rsa|dh3|ecdhe>
show log dailydesum tls_enc equal <ANULL|RC4_40|RC4_56|RC4_128|DES_CBC|DES40_CBC|3DES_EDE_CBC|AES_128_CBC|AES_256_CBC|AES_128_GCM|AES_256_GCM>
show log dailydesum tls_auth equal <ANULL|MD2|MD5|SHA|SHA256|SHA384|SHA512|AEAD>
show log dailydesum policy_name equal <value>
show log dailydesum policy_name not-equal <value>
show log dailydesum sni equal <value>
show log dailydesum sni not-equal <value>
show log dailydesum error equal <value>
show log dailydesum error not-equal <value>
show log weeklydesum direction equal <forward|backward>
show log weeklydesum receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log weeklydesum csv-output equal <yes|no>
show log weeklydesum query equal <value>
show log weeklydesum start-time equal <value>
show log weeklydesum end-time equal <value>
show log weeklydesum src in <value>
show log weeklydesum dst in <value>
show log weeklydesum vsys equal <value>
show log weeklydesum vsys not-equal <value>
show log weeklydesum srcuser equal <value>
show log weeklydesum srcuser not-equal <value>
show log weeklydesum dstuser equal <value>
show log weeklydesum dstuser not-equal <value>
show log weeklydesum from equal <value>
show log weeklydesum from not-equal <value>

```

show log weeklydesum to equal <value>
show log weeklydesum to not-equal <value>
show log weeklydesum tls_version equal <Unknown|SSL2.0|SSL3.0|TLS1.0|TLS1.1|TLS1.2|
TLS1.2+>
show log weeklydesum tls_keyxchg equal <annon|rsa|dh3|ecdhe>
show log weeklydesum tls_enc equal <ANULL|RC4_40|RC4_56|RC4_128|DES_CBC|DES40_CBC|
3DES_EDE_CBC|AES_128_CBC|AES_256_CBC|AES_128_GCM|AES_256_GCM>
show log weeklydesum tls_auth equal <ANULL|MD2|MD5|SHA|SHA256|SHA384|SHA512|
AEAD>
show log weeklydesum policy_name equal <value>
show log weeklydesum policy_name not-equal <value>
show log weeklydesum sni equal <value>
show log weeklydesum sni not-equal <value>
show log weeklydesum error equal <value>
show log weeklydesum error not-equal <value>
show log hipmatch direction equal <forward|backward>
show log hipmatch csv-output equal <yes|no>
show log hipmatch query equal <value>
show log hipmatch receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-
hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log hipmatch start-time equal <value>
show log hipmatch end-time equal <value>
show log hipmatch src in <value>
show log hipmatch src not-in <value>
show log hipmatch srcuser equal <value>
show log hipmatch machinename equal <value>
show log hipmatch machinename not-equal <value>
show log hipmatch os equal <value>
show log hipmatch os not-equal <value>
show log hipmatch matchname equal <value>
show log hipmatch matchname not-equal <value>
show log hipmatch matchtype equal <object|profile>
show log hipmatch matchtype not-equal <object|profile>
show log iptag direction equal <forward|backward>
show log iptag csv-output equal <yes|no>

```

```

show log iptag query equal <value>
show log iptag receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log iptag start-time equal <value>
show log iptag end-time equal <value>
show log iptag vsys equal <value>
show log iptag ip in <value>
show log iptag ip not-in <value>
show log iptag tag_name equal <value>
show log iptag tag_name not-equal <value>
show log iptag event_id equal <unknown|login|logout|timeout|register|unregister>
show log iptag event_id not-equal <unknown|login|logout|timeout|register|unregister>
show log iptag datasource_type equal <unknown|xml-api|ha|vm-monitor>
show log iptag datasource_type not-equal <unknown|xml-api|ha|vm-monitor>
show log iptag datasource_subtype equal <unknown|VMware_ESXi|VMware_vCenter|AWS-VPC|
User-id-Agent|Google-Compute-Engine>
show log iptag datasource_subtype not-equal <unknown|VMware_ESXi|VMware_vCenter|AWS-
VPC|User-id-Agent|Google-Compute-Engine>
show log iptag datasourcename equal <value>
show log iptag datasourcename not-equal <value>
show log iptag ip_subnet_range equal <value>
show log iptag ip_subnet_range not-equal <value>
show log mdm receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log userid direction equal <forward|backward>
show log userid csv-output equal <yes|no>
show log userid query equal <value>
show log userid receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log userid start-time equal <value>
show log userid end-time equal <value>
show log userid vsys equal <value>
show log userid ip in <value>
show log userid ip not-in <value>
show log userid user equal <value>

```

show log userid datasourcename equal <value>

show log userid datasource equal <unknown|agent|ts-agent|event-log|probing|server-session-monitor|captive-portal|vpn-client|xml-api|ha|syslog>

show log userid datasourcetype equal <unknown|directory-server|exchange-server|wmi-probing|netbios-probing|client-cert|ntlm|kerberos|authenticate|globalprotect|vpn-client>

show log userid beginport equal <1-65535>

show log userid beginport not-equal <1-65535>

show log userid endport equal <1-65535>

show log userid endport not-equal <1-65535>

show log auth direction equal <forward|backward>

show log auth csv-output equal <yes|no>

show log auth query equal <value>

show log auth receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

show log auth start-time equal <value>

show log auth end-time equal <value>

show log auth vsys equal <value>

show log auth ip in <value>

show log auth ip not-in <value>

show log auth user equal <value>

show log auth authpolicy equal <value>

show log auth vendor equal <value>

show log auth clienttype equal <unknown|Admin UI|CLI|GlobalProtect Portal|GlobalProtect Gateway|Clientless VPN|Authentication Portal>

show log corr direction equal <forward|backward>

show log corr csv-output equal <yes|no>

show log corr query equal <value>

show log corr receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>

show log corr start-time equal <value>

show log corr end-time equal <value>

show log corr objectname equal <value>

show log corr src in <value>

show log corr src not-in <value>

show log corr srcuser equal <value>

show log corr severity equal <critical|high|medium|low|informational>
show log corr severity not-equal <critical|high|medium|low|informational>
show log corr severity greater-than-or-equal <critical|high|medium|low|informational>
show log corr severity less-than-or-equal <critical|high|medium|low|informational>
show log corr-categ direction equal <forward|backward>
show log corr-categ csv-output equal <yes|no>
show log corr-categ query equal <value>
show log corr-categ receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log corr-categ start-time equal <value>
show log corr-categ end-time equal <value>
show log corr-categ object-category equal <value>
show log corr-categ src in <value>
show log corr-categ src not-in <value>
show log corr-categ srcuser equal <value>
show log corr-categ severity equal <critical|high|medium|low|informational>
show log corr-categ severity not-equal <critical|high|medium|low|informational>
show log corr-categ severity greater-than-or-equal <critical|high|medium|low|informational>
show log corr-categ severity less-than-or-equal <critical|high|medium|low|informational>
show log corr-detail object-name equal <value>
show log corr-detail match-oid equal <value>
show log globalprotect direction equal <forward|backward>
show log globalprotect csv-output equal <yes|no>
show log globalprotect query equal <value>
show log globalprotect receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log globalprotect start-time equal <value>
show log globalprotect end-time equal <value>
show log globalprotect vsys equal <value>
show log globalprotect client_ver equal <value>
show log globalprotect client_ver not-equal <value>
show log globalprotect auth_method equal <value>
show log globalprotect auth_method not-equal <value>
show log globalprotect machinename equal <value>

```
show log globalprotect machinename not-equal <value>
show log globalprotect machinename contains <value>
show log globalprotect hostid equal <value>
show log globalprotect hostid not-equal <value>
show log globalprotect portal_or_gateway equal <value>
show log globalprotect portal_or_gateway not-equal <value>
show log globalprotect receive_time equal <value>
show log globalprotect receive_time not-equal <value>
show log globalprotect private_ip equal <value>
show log globalprotect private_ip not-equal <value>
show log globalprotect private_ip in <value>
show log globalprotect public_ip equal <value>
show log globalprotect public_ip not-equal <value>
show log globalprotect public_ip in <value>
show log globalprotect srcregion equal <value>
show log globalprotect srcregion not-equal <value>
show log globalprotect srcuser equal <value>
show log globalprotect srcuser not-equal <value>
show log trace direction equal <forward|backward>
show log trace csv-output equal <yes|no>
show log trace query equal <value>
show log trace receive_time in <last-60-seconds|last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-30-days|last-calendar-month>
show log trace start-time equal <value>
show log trace end-time equal <value>
show log trace sessionid equal <0-4294967295>
show log trace sessionid not-equal <0-4294967295>
show counter interface <value>|<management|all>
show counter rate <value>
show counter management-server
show counter global name <value>
show counter global filter category <value> severity <value> aspect <value> delta <yes|no>
packet-filter <yes|no> value <all|non-zero>
show ntp
```

show high-availability interface <ha1|ha1-backup|ha2|ha2-backup|ha3|ha4|ha4-backup>
show high-availability all
show high-availability state
show high-availability link-monitoring
show high-availability path-monitoring
show high-availability ha2_keeplive
show high-availability virtual-address
show high-availability state-synchronization
show high-availability control-link statistics
show high-availability transitions
show high-availability flap-statistics
show high-availability session-reestablish-status
show high-availability pre-negotiation summary
show high-availability cluster all
show high-availability cluster state
show high-availability cluster session-synchronization all
show high-availability cluster session-synchronization device device-name <value>
show high-availability cluster session-synchronization device device-id <value>
show high-availability cluster ha4-status
show high-availability cluster flap-statistics
show high-availability cluster ha4-backup-status
show high-availability cluster statistics all
show high-availability cluster statistics device device-name <value>
show high-availability cluster statistics device device-id <value>
show session id <1-4294967295>
show session info
show session rematch
show session packet-buffer-protection buffer-latency
show session packet-buffer-protection zones
show session meter
show session all start-at <1-2097152> filter nat <none|source|destination|both> ssl-decrypt
<yes|no> decrypt-forwarded <yes|no> http2-connection <yes|no> http2-stream <yes|no>
tunnel-inspected <yes|no> tunnel-decap <yes|no> decrypt-mirror <yes|no> count <yes|no> type
<flow|predict|tunnel|forward|vni> state <initial|opening|active|discard|closing|closed> vni-id
<0-16777215> from <value> to <value> source <ip/netmask> destination <value> source-user

```

<value> destination-user <value> source-port <1-65535> destination-port <1-65535> protocol
<1-255> application <value> rule <value> nat-rule <value> qos-rule <value> pbf-rule <value>
sdwan-rule <value> hw-interface <value> ingress-interface <value> egress-interface <value> min-
kb <1-1048576> min-age <1-4194304> min-queued-l7 <1-1048576> qos-node-id <0-5000>|
<-2> qos-class <1-8> vsys-name <value>|<any> ctd-ver <1-255> rematch <security-policy>

show session lag-flow-key-type
show session cache md5 <value>

show session cache all filter from <value> application <value> promoted <yes|no> local-session-id
<1-4294967295>

show session change-smac-in-resp status
show session tcp-retransmit-scan status
show session tcp-tfo-app status
show zone-protection zone <value>
show statistics
show arp
show plugins packages
show plugins installed
show plugins mandatory
show neighbor interface
show neighbor ndp-monitor
show admins all
show admins local
show predefined xpath <value>
show predefined-iot xpath <value>
show jobs id <1-4294967295>
show jobs all
show jobs pending
show jobs processed
show threat id <1-4294967295,...> fqdn <value> match <value> match-id <1-4294967295,...>
show location ip <ip/netmask>
show object static ip <ip/netmask> vsys <value>
show object dynamic-address-group name <value>
show object dynamic-address-group all
show object registered-ip limit <1-500> start-point <1-100000> ip <ip/netmask>
show object registered-ip limit <1-500> start-point <1-100000> iprange <ip-range>

```

```

show object registered-ip limit <1-500> start-point <1-100000> all option <count|file>
show object registered-user user <value>
show object registered-user all start-point <1-524288> limit <1-500> option <count|file>
show report id <1-4294967295>
show report directory-listing
show report jobs
show report cache cache_id <1-4294967295>
show report cache info
show report exec_mgr batch_id <1-4294967295>
show report exec_mgr info
show report predefined name equal <bandwidth-trend|risk-trend|risky-users|spyware-infected-
hosts|threat-trend|top-application-categories|top-applications|top-attacker-sources|top-attacker-
destinations|top-attackers-by-source-countries|top-attackers-by-destination-countries|top-
attacks|top-blocked-url-categories|top-blocked-url-user-behavior|top-blocked-url-users|top-
blocked-websites|top-connections|top-denied-applications|top-denied-destinations|top-denied-
sources|top-destination-countries|top-destinations|top-egress-interfaces|top-egress-zones|top-
http-applications|top-ingress-interfaces|top-ingress-zones|top-rules|top-source-countries|top-
sources|top-spyware-threats|top-technology-categories|top-url-categories|top-url-user-behavior|
top-url-users|top-users|top-victim-sources|top-victim-destinations|top-victims-by-source-
countries|top-victims-by-destination-countries|top-viruses|top-vulnerabilities|top-websites|
unknown-tcp-connections|unknown-udp-connections|wildfire-file-digests>
show report predefined start-time equal <value>
show report predefined end-time equal <value>
show report custom database equal <appstat|trsum|thsum|urlsum|tunnelsum|gtpsum|sctpsum|
desum|traffic|threat|url|wildfire|data|hipmatch|userid|tunnel|auth|gtp|sctp|decryption|
globalprotect>
show report custom topn equal <value>
show report custom receive_time in <last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-
hrs|last-calendar-day|last-7-days|last-7-calendar-day|last-calendar-week|last-30-days|last-30-
calendar-day|last-calendar-month>
show report custom query equal <value>
show report custom aggregate-fields equal <value>
show report custom value-fields equal <value>
show query effective-queries query <value> logtypes
show query effective-queries query <value> logtypes [ <logtypes1> <logtypes2>... ]
show query result id <1-4294967295> skip <0-4294967295>
show query jobs
show query corr-detail id <1-4294967295>

```

show url-cloud status

show chassis inventory

show dos-block-table all start-at <1-2097152> filter source-ip <ip/netmask> ingress-zone <value> dos-profile <value> slot <1-20> type <hw/sw>

show dos-block-table hardware start-at <1-2097152> filter source-ip <ip/netmask> ingress-zone <value> dos-profile <value> slot <1-20>

show dos-block-table software start-at <1-2097152> filter source-ip <ip/netmask> ingress-zone <value> dos-profile <value> slot <1-20>

show dos-block-table summary

show system packet-path-test status

show system software status

show system masterkey-properties

show system info

show system last-commit-info

show system services

show system state filter <value>

show system state filter-pretty <value>

show system state browser

show system crypto entropy-status

show system environmentals slot <value>

show system environmentals fans slot <value>

show system environmentals thermal slot <value>

show system environmentals power slot <value>

show system statistics session

show system statistics application vsys <value>

show system resources follow

show system disk-space files

show system logdb-quota

show system files

show system setting arp-cache-timeout

show system setting rule-hit-count

show system setting logging log-compression

show system setting packet-descriptor-monitor

show system setting mp-memory-monitor

```
show system setting zip
show system setting packet
show system setting util
show system setting pow
show system setting ctd state
show system setting ctd threat id <1-4294967295> application <0-4294967295> profile
<0-4294967295>
show system setting ctd url-block-cache
show system setting ctd lscan-mode
show system setting ctd sml-token
show system setting mp-vr-vif-install-only-host-route
show system setting fast-fail-over
show system setting delay-interface-process
show system setting rip-poison-reverse
show system setting appid-match
show system setting ctd-mode
show system setting dfa-mode
show system setting jumbo-frame
show system setting icmp6-error
show system setting ip6-defrag-timeout
show system setting hardware-acl-blocking-enable
show system setting hardware-acl-blocking-duration
show system setting lro
show system setting conn-tracker
show system setting dpdk-pkt-io
show system setting captive-portal-workers
show system setting multi-vsyz
show system setting url-database
show system setting url-cache statistics
show system setting url-cache all
show system setting ssl-decrypt gp-cookie-cache user <value>
show system setting ssl-decrypt setting
show system setting ssl-decrypt certificate-cache
show system setting ssl-decrypt certificate
```

```
show system setting ssl-decrypt notify-cache
show system setting ssl-decrypt exclude-cache
show system setting ssl-decrypt session-cache
show system setting ssl-decrypt dns-cache
show system setting ssl-decrypt rewrite-stats
show system setting ssl-decrypt hsm-request
show system setting ssl-decrypt memory detail
show system setting shared-policy
show system setting template
show system setting target-vsyt
show system bootstrap status
show system ztp status
show pbf rule name <value>
show pbf rule all
show pbf return-mac name <value>
show pbf return-mac all
show bonjour interface
show sdwan connection <value>|<all>
show sdwan path-monitor parameter path-name <value>
show sdwan path-monitor parameter vif <value>
show sdwan path-monitor parameter all-dp <all>
show sdwan path-monitor parameter adaptive <all>
show sdwan path-monitor parameter active <all|ip|fqdn|url>
show sdwan path-monitor parameter conn-idx <0-65534>
show sdwan path-monitor stats path-name <value>
show sdwan path-monitor stats vif <value>
show sdwan path-monitor stats all-dp <yes>
show sdwan path-monitor stats adaptive <all>
show sdwan path-monitor stats active <all|ip|fqdn|url>
show sdwan path-monitor stats dia-vif <all|idx|name>
show sdwan path-monitor stats conn-idx <0-65534>
show sdwan path-monitor dia-anypath packet-buffer <all>
show sdwan path-monitor policy-map
```



```
show sdwan session path-select session-id <1-4294967295>
show sdwan session log session-id <1-4294967295>
show sdwan session distribution policy-name <value>
show sdwan event
show sdwan pool details
show sdwan rule vif <value>|<all>
show sdwan details basic
show sdwan details session id <1-4294967295>
show sdwan details conn idx <0-4294967295>
show sdwan details vif idx <0-4294967295>
show sdwan details rule idx <0-4294967295>
show sdwan details rule id <0-4294967295>
show sdwan details fec-en idx <0-4294967295>
show sdwan details fec-de idx <0-4294967295>
show sdwan details pd idx <0-4294967295>
show qos interface
show qos interface <name> throughput <0-65535>
show qos interface <name> show-regular-node <0-65535>|<regular>
show qos interface <name> tunnel-throughput <value>
show qos interface <name> show-tunnel-node <0-65535>|<tunnel>
show qos interface <name> match-rule
show qos interface <name> counter
show qos interface <name> hw-counter
show qos interface <name> show-bypass-node
show qos interface <name> show-all-levels
show tunnel-acceleration
show vpn gateway name <value>
show vpn gateway match <value>
show vpn tunnel name <value>
show vpn tunnel match <value>
show vpn ike-sa gateway <value>
show vpn ike-sa match <value>
show vpn ike-sa detail gateway <value>
```

show vpn ike-hashurl
show vpn ipsec-sa tunnel <value>
show vpn ipsec-sa match <value>
show vpn ipsec-sa summary
show vpn flow name <value>
show vpn flow tunnel-id <1-65535>
show global-protect-firewall summary firewall-client-version-last-activity-time
show global-protect-gateway gateway name <value> type <remote-user|satellite>
show global-protect-gateway statistics gateway <value> domain <value>
show global-protect-gateway current-user gateway <value> domain <value> user <value>
show global-protect-gateway current-satellite gateway <value> satellite <value>
show global-protect-gateway previous-user gateway <value> domain <value> user <value>
show global-protect-gateway previous-satellite gateway <value> satellite <value>
show global-protect-gateway flow name <value>
show global-protect-gateway flow tunnel-id <1-65535>
show global-protect-gateway flow-site-to-site name <value>
show global-protect-gateway flow-site-to-site tunnel-id <1-65535>
show global-protect-gateway summary all
show global-protect-gateway summary detail name <value>
show global-protect-satellite interface <value>|<all>
show global-protect-satellite satellite name <value>
show global-protect-satellite current-gateway satellite <value> gateway <value>
show global-protect-mdm state <value>|<all>
show global-protect-mdm statistics
show advanced-routing fib afi <ipv4|ipv6|both>
show advanced-routing route type <bgp|static|connect> afi <ipv4|ipv6|both>
show advanced-routing static-route-path-monitor
show advanced-routing bgp summary
show advanced-routing bgp route afi <ipv4|ipv6|both>
show advanced-routing bgp peer-groups
show advanced-routing bgp peer detail peer-name <value>
show advanced-routing bgp peer rib-out peer-name <value> afi <ipv4|ipv6|both>
show advanced-routing bgp peer status

```

show routing interface
show routing resource
show routing summary virtual-router <value>
show routing fib virtual-router <value> ecmp <yes|no> afi <both|ipv4|ipv6>
show routing route destination <ip/netmask> interface <value> nexthop <ip/netmask> type
<static|connect|bgp|ospf|rip> virtual-router <value> count <1-524288> ecmp <yes|no> afi <both|
ipv4|ipv6> safi <both|unicast|multicast>
show routing multicast route group <ip/netmask> source <ip/netmask> interface <value> virtual-
router <value>
show routing multicast fib group <ip/netmask> source <ip/netmask> interface <value> virtual-
router <value>
show routing multicast group-permission interface <value> virtual-router <value>
show routing multicast igmp interface virtual-router <value>
show routing multicast igmp membership interface <value> virtual-router <value>
show routing multicast igmp statistics interface <value>
show routing multicast pim interface virtual-router <value>
show routing multicast pim neighbor virtual-router <value>
show routing multicast pim group-mapping group <ip/netmask> virtual-router <value>
show routing multicast pim elected-bsr
show routing multicast pim state virtual-router <value> group <ip/netmask> interface <value>
source <ip/netmask>|<any> rpt-only <yes|no>
show routing multicast pim statistics interface <value> neighbor <ip/netmask>
show routing protocol redistrib all virtual-router <value>
show routing protocol redistrib bgp virtual-router <value>
show routing protocol redistrib ospf virtual-router <value>
show routing protocol redistrib ospfv3 virtual-router <value>
show routing protocol redistrib rip virtual-router <value>
show routing protocol bgp summary virtual-router <value>
show routing protocol bgp peer peer-name <value> virtual-router <value>
show routing protocol bgp peer-group group-name <value> virtual-router <value>
show routing protocol bgp policy virtual-router <value> aggregate
show routing protocol bgp policy virtual-router <value> import
show routing protocol bgp policy virtual-router <value> export
show routing protocol bgp policy virtual-router <value> cond-adv

```

show routing protocol bgp loc-rib peer <value> prefix <ip/netmask> nexthop <ip/netmask>
virtual-router <value> count <1-524288> afi <ipv4|ipv6|both> safi <unicast|multicast|both>

show routing protocol bgp rib-out peer <value> prefix <ip/netmask> nexthop <ip/netmask>
virtual-router <value> count <1-524288> afi <ipv4|ipv6|both> safi <unicast|multicast|both>

show routing protocol bgp loc-rib-detail peer <value> prefix <ip/netmask> nexthop <ip/netmask>
virtual-router <value> count <1-524288> afi <ipv4|ipv6|both> safi <unicast|multicast|both>

show routing protocol bgp rib-out-detail peer <value> prefix <ip/netmask> nexthop <ip/
netmask> virtual-router <value> count <1-524288> afi <ipv4|ipv6|both> safi <unicast|multicast|
both>

show routing protocol ospf summary virtual-router <value>

show routing protocol ospf area virtual-router <value>

show routing protocol ospf interface virtual-router <value>

show routing protocol ospf virt-link virtual-router <value>

show routing protocol ospf neighbor virtual-router <value>

show routing protocol ospf virt-neighbor virtual-router <value>

show routing protocol ospf lsdb virtual-router <value>

show routing protocol ospf dump lsdb virtual-router <value>

show routing protocol ospf graceful-restart virtual-router <value>

show routing protocol ospfv3 summary virtual-router <value>

show routing protocol ospfv3 area virtual-router <value>

show routing protocol ospfv3 interface brief <yes|no> virtual-router <value>

show routing protocol ospfv3 virt-link virtual-router <value>

show routing protocol ospfv3 neighbor brief <yes|no> virtual-router <value>

show routing protocol ospfv3 virt-neighbor brief <yes|no> virtual-router <value>

show routing protocol ospfv3 lsdb scope <link-local|area-local|as-local|all> adv-rtr <ip/netmask>
area-id <ip/netmask> lsa-id <ip/netmask> hexdump <yes|no> filter-type-area <inter-area-prefix|
inter-area-router|intra-area-prefix|network|router|nssa> virtual-router <value>

show routing protocol ospfv3 dump lsdb scope <link-local|area-local|as-local|all> adv-rtr <ip/
netmask> area-id <ip/netmask> lsa-id <ip/netmask> hexdump <yes|no> filter-type-area <inter-
area-prefix|inter-area-router|intra-area-prefix|network|router|nssa> virtual-router <value>

show routing protocol ospfv3 graceful-restart virtual-router <value>

show routing protocol rip summary virtual-router <value>

show routing protocol rip interface virtual-router <value>

show routing protocol rip peer virtual-router <value>

show routing protocol rip database virtual-router <value>

show routing bfd details virtual-router <value> interface <value> local-ip <value> peer-ip <value>
multihop <yes|no> session-id <1-1024>

show routing bfd summary virtual-router <value> interface <value> local-ip <value> peer-ip <value> multihop <yes|no> session-id <1-1024>

show routing bfd active-profile name <value>

show routing bfd drop-counters session-id <1-1024>

show routing path-monitor virtual-router <value>

show resource limit policies

show resource limit session

show resource limit ssl-vpn

show resource limit vpn

show sslmgr-store satellite-info portal name <value> serialno <value> state <assigned|unassigned>

show sslmgr-store certificate-info issuer <value>

show sslmgr-store certificate-info portal name <value> serialno <value> db-serialno <value>

show sslmgr-store serialno-certificate-info db-serialno <value>

show sslmgr-store config-certificate-info db-serialno <value> issuer-subjectname-hash <value>

show sslmgr-store config-ca-certificate subjectname-hash <value> publickey-hash <value>

show sslmgr-max-check-cert-jobs

show global-protect redirect

show global-protect location

show global-protect worker-threads

show global-protect sysd-health

show hsm client-address

show hsm ha-status

show hsm client-version

show hsm client-version-list

show hsm info

show hsm nshield-connect-rfs

show hsm state

show hsm servers

show hsm slots

show lacp aggregate-ethernet <value>|<all>

show lldp config <value>|<all>

show lldp counters <value>|<all>

show lldp local <value>|<all>

show lldp neighbors <value>|<all>
show log-collector preference-list
show license-token-files name <value>
show wildfire-realtime-cache virus-pattern-type <PE|Hash|ALL>
show wildfire-realtime-cache total
show wildfire-realtime-stats
show wildfire-realtime-cloud-status
show global-protect-portal statistics portal <value>
show global-protect-portal current-user portal <value> filter-user user <value>
show global-protect-portal current-user portal <value> filter-user match-user <value>
show global-protect-portal current-user portal <value> filter-user id <value>
show global-protect-portal current-user portal <value> filter-user all-users
show global-protect-portal cookie-cache portal <value> filter-user user <value>
show global-protect-portal cookie-cache portal <value> filter-user match-user <value>
show global-protect-portal cookie-cache portal <value> filter-user id <value>
show global-protect-portal cookie-cache portal <value> filter-user all-users
show global-protect-portal summary all
show global-protect-portal summary detail name <value>
show netstat route <yes|no> interfaces <yes|no> groups <yes|no> statistics <yes|no> verbose
<yes|no> numeric <yes|no> numeric-hosts <yes|no> numeric-ports <yes|no> numeric-users <yes|
no> symbolic <yes|no> extend <yes|no> programs <yes|no> continuous <yes|no> listening <yes|
no> all <yes|no> timers <yes|no> fib <yes|no> cache <yes|no> notrim <yes|no>
show obsolete-disabled-ssl-exclusions
show mlav lookup-cache
show mlav request-stats
show mlav meta-data
show mlav mlav-info
show mlav cloud-status
show ctd-agent status shm
show ctd-agent status workers
show ctd-agent status errors
show ctd-agent version
show ctd-agent config
show ctd-agent dp-config

show ctd-agent statistics

debug cli <on|off|include-completion|exclude-completion|timestamp|detail|show>

debug device-telemetry refresh-dest-server

debug list-blocked-partial-xpaths

debug list-admin-history

debug set-content-download-retry attempts <1-3>

debug log-output-need-utf8 no

debug log-output-need-utf8 yes

debug log-output-need-utf8 show

debug run-panorama-predefined-report no

debug run-panorama-predefined-report yes

debug run-panorama-predefined-report show

debug predefined-report-default disabled

debug predefined-report-default enabled

debug predefined-report-default show

debug logview role <value> slot <value> severity <value> quiet <yes|no> display-forward <yes|no> thorough <yes|no> max-logs <100-20000> component <value> start-time <value> end-time <value>

debug system disk-smart-info disk-1

debug system disk-partition-info

debug system process-info

debug system maintenance-mode

debug system disk-sync

debug system check-fragment

debug system ssh-key-reset management

debug system ssh-key-reset high-availability

debug system ssh-key-reset all

debug syslog-ng stats

debug syslog-ng start

debug syslog-ng stop

debug syslog-ng restart

debug syslog-ng status

debug syslog-ng reload

debug syslog-ng debug debug on

```
debug syslog-ng debug debug off
debug syslog-ng debug trace on
debug syslog-ng debug trace off
debug syslog-ng debug verbose on
debug syslog-ng debug verbose off
debug syslogng-params reset-to-default-settings
debug syslogng-params settings time-reopen <1-900> dst-keep-alive <yes|no> so-keepalive <yes|no> tcp-keepalive-intvl <0-1800> tcp-keepalive-time <0-7200> tcp-keepalive-probes <0-64>
debug syslogng-params show
debug swm list
debug swm log
debug swm history
debug swm status
debug swm unlock
debug swm revert
debug swm rebuild-content-db
debug swm refresh content
debug swm info image <value>
debug swm install image <value> patch <value>
debug swm delete image <value>
debug swm load image <value>
debug swm load-uploaded image <value>
debug software core <dhcp|device-server|management-server|web-server|web-backend|l3-service|sslvpn-web-server|rasmgr|log-receiver|routed|distributord|ioted|user-id|vardata-receiver|ikemgr|keymgr|satd|sslmgr|dnsproxy|l2ctrl|authd|snmpd|cord|configd|reportd|pan-comm|ifmgr|pan-dssd>
debug software fd-limit service <value> limit <0-4294967295>
debug software no-fd-limit service <value>
debug software virt-limit service <value> limit <0-4194303>
debug software no-virt-limit service <value>
debug software phy-limit service <value> limit <0-4194303>
debug software no-phy-limit service <value>
debug software logging-level show level service <value>
debug software logging-level show feature service <value>
debug software logging-level show feature-defs service <value>
```



```

debug software logging-level set level default service <value>
debug software logging-level set level error service <value>
debug software logging-level set level warn service <value>
debug software logging-level set level info service <value>
debug software logging-level set level debug service <value>
debug software logging-level set level dump service <value>
debug software logging-level set feature service <value> mask <value>
debug software pprof service <value>
debug software no-pprof service <value>
debug software memsize_tracked
debug software resource subsystem <value> plane <value> slot <0-64> show configuration
debug software resource subsystem <value> plane <value> slot <0-64> set group <value> limit
<value> value <value>
debug software disk-usage cleanup threshold <90-100> deep
debug software disk-usage aggressive-cleaning enable
debug software disk-usage aggressive-cleaning disable
debug software disk-usage dangling-fds target-name <value> target-slot <value>
debug software kernelcfg zram-swap enable
debug software kernelcfg zram-swap disable
debug software kernelcfg zram-swap show run-time
debug software kernelcfg zram-swap show config
debug software kernelcfg zram-swap modify num-dev <1-4> disk-size <512-64000> mem-limit-
percent <5-50> host-mem-threshold <64-64000>
debug software generate-sar-report current-date
debug software restart process <crypto|dhcp|device-server|ikemgr|keymgr|management-server|
web-server|web-backend|l3-service|sslvpn-web-server|rasmgr|log-receiver|routed|user-id|
vardata-receiver|pppoe|satd|sslmgr|dnsproxy|l2ctrl|ntp|authd|snmpd|cord|configd|reportd|pan-
comm|ifmgr|distributord|icd|iotd|dscd|pan-dssd|ctd-agent> core <yes>
debug software large-core show-reserved-space
debug software trace device-server
debug software trace management-server
debug software trace web-server
debug software trace web-backend
debug software trace l3-service
debug software trace sslvpn-web-server

```

```
debug software trace ikemgr
debug software trace keymgr
debug software trace log-receiver
debug software trace user-id
debug software trace vardata-receiver
debug software trace ifmgr
debug software trace configd
debug software trace reportd
debug software trace iotd
debug sysd top fetch
debug sysd top modify
debug sysd summary
debug sysd process-query command <value> process <value> trarg <10-100>
debug sysd prefix-query command <value> prefix <value>
debug high-availability on <error|warn|info|debug|dump>
debug high-availability flap-interface interface <ha1|ha1-backup|ha2|ha2-backup|ha3|ha4|ha4-backup>
debug high-availability off
debug high-availability show
debug high-availability internal-dump
debug high-availability dataplane-status
debug master-service on <error|warn|info|debug|dump>
debug master-service off
debug master-service show
debug master-service internal-dump
debug logdb-usage
debug reportd on <error|warn|info|debug|dump|all|general|cache|cache-detail|batch-mgr|exec-mgr|job-kill|unified-log|search-engine-query-normal|search-engine-query-detail|search-engine-api|search-engine-req-resp|search-engine-report-mgr|search-engine-report-req|search-engine-report-resp|search-engine-cache-mgr>
debug reportd off <reset|all|general|cache|cache-detail|batch-mgr|exec-mgr|job-kill|unified-log|search-engine-query-normal|search-engine-query-detail|search-engine-api|search-engine-req-resp|search-engine-report-mgr|search-engine-report-req|search-engine-report-resp|search-engine-cache-mgr>
debug reportd set-timeout <300-18000>
```

```
debug reportd corr-mgr on <general|object|instance|sync|filter|back-query|log-match|msg|db|
action|summary|notification|all>
debug reportd corr-mgr off <general|object|instance|sync|filter|back-query|log-match|msg|db|
action|summary|notification|all>
debug reportd corr-mgr stats show object <value>
debug reportd corr-mgr stats clear object <value>
debug reportd corr-mgr show brief
debug reportd corr-mgr show object id <value>
debug reportd corr-mgr show object list
debug reportd corr-mgr show instance summary
debug reportd corr-mgr show instance search category <value> type <value> skip <value>
contains <value>
debug reportd corr-mgr show filter search object <value> name <value> start-index <value>
contains <value> skip <value>
debug reportd corr-mgr show failed serialize
debug reportd corr-mgr show failed deserialize
debug reportd corr-mgr show failed action
debug reportd corr-mgr show failed summary
debug reportd corr-mgr show back-query status <constructed|pending|working|executed>
debug reportd send-request-to-7k yes
debug reportd send-request-to-7k no
debug reportd send-request-to-7k show
debug reportd show
debug reportd contmgr status
debug management-server on <error|warn|info|debug|dump>
debug management-server db-rollup <on|off>
debug management-server req-stats <enable|disable>
debug management-server memory <info|trim>
debug management-server rule-hit <yes|no>
debug management-server app-config-trigger <yes|no>
debug management-server autofocus <on|off>
debug management-server unified-log <on|off>
debug management-server secure-conn show mgmt config file <current|previous|new>
debug management-server secure-conn show mgmt detail
debug management-server secure-conn show ha config file <current|previous|new>
```

```
debug management-server secure-conn show scep-cert-renewal-time
debug management-server secure-conn show scep-cert-retry-on-failure-interval
debug management-server secure-conn set scep-cert-renewal-time <0-300000>
debug management-server secure-conn set scep-cert-retry-on-failure-interval <0-300000>
debug management-server vld stats cc
debug management-server conn
debug management-server log-forwarding-congestion-ctrl set reno
debug management-server log-forwarding-congestion-ctrl set default
debug management-server log-forwarding-congestion-ctrl show
debug management-server log-forwarding-stats
debug management-server corr-mgr on <general|object|instance|sync|filter|back-query|log-match|
msg|db|action|summary|notification|all>
debug management-server corr-mgr off <general|object|instance|sync|filter|back-query|log-match|
msg|db|action|summary|notification|all>
debug management-server corr-mgr stats show object <value>
debug management-server corr-mgr stats clear object <value>
debug management-server corr-mgr show brief
debug management-server corr-mgr show object id <value>
debug management-server corr-mgr show object list
debug management-server corr-mgr show instance summary
debug management-server corr-mgr show instance search category <value> type <value> skip
<value> contains <value>
debug management-server corr-mgr show filter search object <value> name <value> start-index
<value> contains <value> skip <value>
debug management-server corr-mgr show failed serialize
debug management-server corr-mgr show failed deserialize
debug management-server corr-mgr show failed action
debug management-server corr-mgr show failed summary
debug management-server corr-mgr show back-query status <constructed|pending|working|
executed>
debug management-server telemetry-triggers per-signature-limit <0-200>
debug management-server telemetry-triggers raw-threat-log-limit <0-3000>
debug management-server telemetry-triggers related-threat-log-limit <0-150>
debug management-server telemetry-triggers correlated-threat-log-limit <0-150>
debug management-server telemetry-triggers counters reset
```

debug management-server telemetry-triggers counters show

debug management-server off

debug management-server clear

debug management-server show

debug management-server show-predef-hash

debug management-server check-predef-hash

debug management-server db-intervals start-time <value> end-time <value> period <last-hour|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-7-calendar-days|last-calendar-week|last-30-days|last-30-calendar-days|last-calendar-month> db <trsum|hourlytrsum|dailytrsum|weeklytrsum|thsum|hourlythsum|dailythsum|weeklythsum|urlsum|hourlyurlsum|dailyurlsum|weeklyurlsum|gtpsum|hourlygtpsum|dailygtpsum|weeklygtpsum|sctpsum|hourlysctpsum|daily|sctpsum|weekly|sctpsum|desum|hourlydesum|dailydesum|weeklydesum>

debug management-server rolledup-intervals start-time <value> end-time <value> period <last-hour|last-12-hrs|last-24-hrs|last-calendar-day|last-7-days|last-7-calendar-days|last-calendar-week|last-30-days|last-30-calendar-days|last-calendar-month> db <trsum|thsum|urlsum|gtpsum|sctpsum|desum>

debug management-server log-collector-agent-status

debug management-server client disable <value>

debug management-server client enable <value>

debug management-server snmp-memory-map show

debug management-server snmp-memory-map clear

debug management-server device-monitoring enable <yes|no>

debug management-server last-candidatecfg-audit info

debug management-server last-candidatecfg-audit show version <value>

debug management-server last-candidatecfg-audit diff base-version <value> version <value>

debug management-server disable-cms-conn-check yes

debug management-server disable-cms-conn-check no

debug management-server disable-cms-conn-check show

debug management-server rule-hit-purge

debug management-server app-usage-data-purge

debug management-server set comm <basic|detail|all>

debug management-server set panorama <basic|detail|all>

debug management-server set proxy <basic|detail|all>

debug management-server set server <basic|detail|all>

debug management-server set cfg <basic|detail|all>

debug management-server set log <basic|detail|all>

```
debug management-server set logaction <basic|detail|all>
debug management-server set logquery <basic|detail|all>
debug management-server set report <basic|detail|all>
debug management-server set commit <basic|detail|all>
debug management-server set schema <basic|detail|all>
debug management-server set content <basic|detail|all>
debug management-server set auth <basic|detail|all>
debug management-server set fqdn <basic|detail|all>
debug management-server set settings <basic|detail|all>
debug management-server set logforwarding <basic|detail|all>
debug management-server set commoncriteria <basic|detail|all>
debug management-server set lock <basic|detail|all>
debug management-server set all
debug management-server unset comm <basic|detail|all>
debug management-server unset panorama <basic|detail|all>
debug management-server unset proxy <basic|detail|all>
debug management-server unset server <basic|detail|all>
debug management-server unset cfg <basic|detail|all>
debug management-server unset log <basic|detail|all>
debug management-server unset logaction <basic|detail|all>
debug management-server unset logquery <basic|detail|all>
debug management-server unset report <basic|detail|all>
debug management-server unset commit <basic|detail|all>
debug management-server unset schema <basic|detail|all>
debug management-server unset content <basic|detail|all>
debug management-server unset auth <basic|detail|all>
debug management-server unset fqdn <basic|detail|all>
debug management-server unset settings <basic|detail|all>
debug management-server unset logforwarding <basic|detail|all>
debug management-server unset commoncriteria <basic|detail|all>
debug management-server unset lock <basic|detail|all>
debug management-server unset all
debug management-server template dump-config from <local|template|merged> xpath <value>
```

```

debug management-server user info name <value>
debug management-server user bitmap
debug management-server dg-ctxt vsys <value>
debug management-server contmgr status
debug authentication on <error|warn|info|debug|dump>
debug authentication off
debug authentication show
debug authentication show-pending-requests
debug authentication show-active-requests
debug authentication connection-show protocol-type <TACACS+|LDAP|Kerberos|RADIUS>
connection-id <0-4294967295>
debug authentication connection-debug-on protocol-type <TACACS+|LDAP|Kerberos|RADIUS>
connection-id <0-4294967295> debug-prefix <value>
debug authentication connection-debug-off protocol-type <TACACS+|LDAP|Kerberos|RADIUS>
connection-id <0-4294967295>
debug cord on <error|warn|info|debug|dump>
debug cord corr-mgr on <general|object|instance|sync|filter|back-query|log-match|msg|db|action|
summary|notification|all>
debug cord corr-mgr off <general|object|instance|sync|filter|back-query|log-match|msg|db|action|
summary|notification|all>
debug cord corr-mgr stats show object <value>
debug cord corr-mgr stats clear object <value>
debug cord corr-mgr show brief
debug cord corr-mgr show object id <value>
debug cord corr-mgr show object list
debug cord corr-mgr show instance summary
debug cord corr-mgr show instance search category <value> type <value> skip <value> contains
<value>
debug cord corr-mgr show filter search object <value> name <value> start-index <value> contains
<value> skip <value>
debug cord corr-mgr show failed serialize
debug cord corr-mgr show failed deserialize
debug cord corr-mgr show failed action
debug cord corr-mgr show failed summary
debug cord corr-mgr show back-query status <constructed|pending|working|executed>
debug cord off

```

```
debug cord show
debug cord stats show
debug cord stats clear
debug cord object-stats show
debug cord object-stats clear
debug cord object-stats show-setting
debug cord object-stats set off
debug cord object-stats set on
debug cord delete db
debug cord delete events objectname <value>
debug cord delete instances match <value>
debug device-server on <error|warn|info|debug|dump>
debug device-server set third-party <libcurl|all>
debug device-server set misc <misc|all>
debug device-server set base <config|ha|id|all>
debug device-server set url <basic|cloud|ha|match|rfs|stat|all>
debug device-server set mlav <basic|cache|cloud|all>
debug device-server set wfirt <basic|cloud|all>
debug device-server set url_trie <basic|stat|all>
debug device-server set config <basic|tdb|fpga|fqdn|dag|dpupdates|all>
debug device-server set tdb <basic|aho|all>
debug device-server set all
debug device-server unset third-party <libcurl|all>
debug device-server unset base <config|ha|id|all>
debug device-server unset misc <misc|all>
debug device-server unset url <basic|all>
debug device-server unset config <basic|tdb|fpga|all>
debug device-server unset tdb <basic|aho|all>
debug device-server unset mlav <basic|cache|cloud|all>
debug device-server unset wfirt <basic|cloud|all>
debug device-server unset all
debug device-server test url-category <1-16383>
debug device-server test admin-override-password <value>
```



```
debug device-server test botnet-domain
debug device-server test dynamic-url cloud <yes|no> unknown-only <yes|no> async <yes|no>
debug device-server test nw_id options <value>
debug device-server test idmgr-change-max type global-interface new-max-id <1-16383>
debug device-server test idmgr-change-max type global-vrouter new-max-id <1-249>
debug device-server test idmgr-change-max type security-rule new-max-id <1-16383>
debug device-server test idmgr-change-max type ssl-rule new-max-id <1-4096>
debug device-server test idmgr-change-max type shared-custom-url-category new-max-id
<11052-11150>
debug device-server test idmgr-change-max type vsys-custom-url-category new-max-id
<11152-14000>
debug device-server test idmgr-change-max type shared-application new-max-id <1-16383>
debug device-server test idmgr-change-max type vsys-application new-max-id <3585-10000>
debug device-server test idmgr-change-max type zone new-max-id <1-16383>
debug device-server test idmgr-change-max type hip-profile new-max-id <1-16383>
debug device-server test idmgr-restore-default-max type global-interface
debug device-server test idmgr-restore-default-max type global-vrouter
debug device-server test idmgr-restore-default-max type security-rule
debug device-server test idmgr-restore-default-max type ssl-rule
debug device-server test idmgr-restore-default-max type shared-custom-url-category
debug device-server test idmgr-restore-default-max type vsys-custom-url-category
debug device-server test idmgr-restore-default-max type shared-application
debug device-server test idmgr-restore-default-max type vsys-application
debug device-server test idmgr-restore-default-max type zone
debug device-server test idmgr-restore-default-max type hip-profile
debug device-server reset logging statistics
debug device-server reset id-manager type all
debug device-server reset id-manager type edl-domain
debug device-server reset id-manager type edl-ip
debug device-server reset id-manager type global-interface
debug device-server reset id-manager type global-rib-instance
debug device-server reset id-manager type global-tunnel
debug device-server reset id-manager type global-vlan
debug device-server reset id-manager type global-vlan-domain
```

```
debug device-server reset id-manager type global-vrouter
debug device-server reset id-manager type ike-gateway
debug device-server reset id-manager type nat-rule
debug device-server reset id-manager type pbf-rule
debug device-server reset id-manager type sdwan-rule
debug device-server reset id-manager type network-packet-broker-rule
debug device-server reset id-manager type sdwan-link-tag
debug device-server reset id-manager type security-rule
debug device-server reset id-manager type shared-application
debug device-server reset id-manager type shared-application-filter
debug device-server reset id-manager type shared-application-group
debug device-server reset id-manager type custom-url-filter
debug device-server reset id-manager type shared-gateway
debug device-server reset id-manager type shared-region
debug device-server reset id-manager type shared-custom-url-category
debug device-server reset id-manager type shared-edl-url-category
debug device-server reset id-manager type shared-header-insert-hosts
debug device-server reset id-manager type ssl-rule
debug device-server reset id-manager type tci-rule
debug device-server reset id-manager type vsys
debug device-server reset id-manager type vsys-application
debug device-server reset id-manager type vsys-application-filter
debug device-server reset id-manager type vsys-application-group
debug device-server reset id-manager type vsys-custom-url-category
debug device-server reset id-manager type vsys-edl-url-category
debug device-server reset id-manager type vsys-header-insert-hosts
debug device-server reset id-manager type vsys-region
debug device-server reset id-manager type zone
debug device-server reset id-manager type http-header-insert-header-value
debug device-server reset id-manager type hip-profile
debug device-server reset id-manager type hip-object
debug device-server reset config
debug device-server reset com statistics
```

```
debug device-server pcap show
debug device-server pcap on virtualrouter <value>
debug device-server pcap off
debug device-server pcap delete
debug device-server pcap view
debug device-server pan-url-db db-info
debug device-server pan-url-db db-perf
debug device-server pan-url-db show-stats
debug device-server pan-url-db cloud-reelect
debug device-server pan-url-db test-seedurl
debug device-server pan-url-db db-backup back-duration <5-480> back-threshold <3-30>
debug device-server shadow-rule-check-disable on
debug device-server shadow-rule-check-disable off
debug device-server shadow-rule-check-disable show
debug device-server app-depedency-check-disable on
debug device-server app-depedency-check-disable off
debug device-server app-depedency-check-disable show
debug device-server cp-allow-encrypted-disable on
debug device-server cp-allow-encrypted-disable off
debug device-server cp-allow-encrypted-disable show
debug device-server mlav clear-cache
debug device-server mlav revert-model filetype-id <1-255>
debug device-server mlav set-cloud-url url <value>
debug device-server mlav set-cloud-url default
debug device-server shadow-rule-check-disable on
debug device-server shadow-rule-check-disable off
debug device-server shadow-rule-check-disable show
debug device-server app-depedency-check-disable on
debug device-server app-depedency-check-disable off
debug device-server app-depedency-check-disable show
debug device-server cp-deny-non-tcp on
debug device-server cp-deny-non-tcp off
debug device-server cp-deny-non-tcp show
```

```
debug device-server cp-deny-tcp on
debug device-server cp-deny-tcp off
debug device-server cp-deny-tcp show
debug device-server trigger AddrObjRefresh
debug device-server dump memory <summary|detail>
debug device-server dump fqdn type policy vsys <value> fqdn-name <value>
debug device-server dump fqdn type pbf vsys <value> fqdn-name <value>
debug device-server dump fqdn type dn timer vsys <value> fqdn-name <value>
debug device-server dump dynamic-address-group vsys <value> ip <ip/netmask>
debug device-server dump dynamic-address-group vsys <value> iprange <ip-range>
debug device-server dump dynamic-address-group vsys <value> detail
debug device-server dump pan-url-db statistics
debug device-server dump regips ip <ip/netmask>
debug device-server dump regips iprange <ip-range>
debug device-server dump regips tag <value>
debug device-server dump regips summary
debug device-server dump tag-table tag <value>
debug device-server dump idmgr high-availability state
debug device-server dump idmgr redis type shared-app-signature id <1-32767>
debug device-server dump idmgr redis type shared-app-signature name <value>
debug device-server dump idmgr redis type shared-app-signature all
debug device-server dump idmgr redis type shared-url-filtering id <1-250>
debug device-server dump idmgr redis type shared-url-filtering name <value>
debug device-server dump idmgr redis type shared-url-filtering all
debug device-server dump idmgr redis type vsys-app-signature id <32768-65535>
debug device-server dump idmgr redis type vsys-app-signature name <value>
debug device-server dump idmgr redis type vsys-app-signature all
debug device-server dump idmgr redis type vsys-url-filtering id <251-5000>
debug device-server dump idmgr redis type vsys-url-filtering name <value>
debug device-server dump idmgr redis type vsys-url-filtering all
debug device-server dump idmgr redis type log-setting id <1-65535>
debug device-server dump idmgr redis type log-setting name <value>
debug device-server dump idmgr redis type log-setting all
```

```
debug device-server dump idmgr redis type shared-qos-profile id <1-65535>
debug device-server dump idmgr redis type shared-qos-profile name <value>
debug device-server dump idmgr redis type shared-qos-profile all
debug device-server dump idmgr redis type shared-qos-group id <1-255>
debug device-server dump idmgr redis type shared-qos-group name <value>
debug device-server dump idmgr redis type shared-qos-group all
debug device-server dump idmgr redis type shared-qos-member id <1-65535>
debug device-server dump idmgr redis type shared-qos-member name <value>
debug device-server dump idmgr redis type shared-qos-member all
debug device-server dump idmgr redis type qos-rule id <1-65535>
debug device-server dump idmgr redis type qos-rule name <value>
debug device-server dump idmgr redis type qos-rule all
debug device-server dump idmgr redis type shared-bgp-peergrp id <1-2047>
debug device-server dump idmgr redis type shared-bgp-peergrp name <value>
debug device-server dump idmgr redis type shared-bgp-peergrp all
debug device-server dump idmgr redis type shared-bgp-peer id <1-2047>
debug device-server dump idmgr redis type shared-bgp-peer name <value>
debug device-server dump idmgr redis type shared-bgp-peer all
debug device-server dump idmgr redis type shared-bgp-aggr-address id <1-2047>
debug device-server dump idmgr redis type shared-bgp-aggr-address name <value>
debug device-server dump idmgr redis type shared-bgp-aggr-address all
debug device-server dump idmgr redis type auth-rule id <1-65535>
debug device-server dump idmgr redis type auth-rule name <value>
debug device-server dump idmgr redis type auth-rule all
debug device-server dump idmgr redis type override-rule id <1-65535>
debug device-server dump idmgr redis type override-rule name <value>
debug device-server dump idmgr redis type override-rule all
debug device-server dump idmgr redis type dos-rule id <1-65535>
debug device-server dump idmgr redis type dos-rule name <value>
debug device-server dump idmgr redis type dos-rule all
debug device-server dump idmgr redis type interface-group id <1-255>
debug device-server dump idmgr redis type interface-group name <value>
debug device-server dump idmgr redis type interface-group all
```

```
debug device-server dump idmgr redis type macl-rule id <1-4095>
debug device-server dump idmgr redis type macl-rule name <value>
debug device-server dump idmgr redis type macl-rule all
debug device-server dump idmgr redis type ospfv3-virtual-link id <1-4095>
debug device-server dump idmgr redis type ospfv3-virtual-link name <value>
debug device-server dump idmgr redis type ospfv3-virtual-link all
debug device-server dump idmgr redis type zone id <1-4294967295>
debug device-server dump idmgr redis type zone name <value>
debug device-server dump idmgr redis type zone all
debug device-server dump idmgr redis type vsys id <1-4294967295>
debug device-server dump idmgr redis type vsys name <value>
debug device-server dump idmgr redis type vsys all
debug device-server dump idmgr redis type dns-proxy id <1-512>
debug device-server dump idmgr redis type dns-proxy name <value>
debug device-server dump idmgr redis type dns-proxy all
debug device-server dump idmgr redis type monitor-tag id <1-4095>
debug device-server dump idmgr redis type monitor-tag name <value>
debug device-server dump idmgr redis type monitor-tag all
debug device-server dump idmgr redis type global-tunnel id <1-65535>
debug device-server dump idmgr redis type global-tunnel name <value>
debug device-server dump idmgr redis type global-tunnel all
debug device-server dump idmgr redis type global-interface id <1-4294967295>
debug device-server dump idmgr redis type global-interface name <value>
debug device-server dump idmgr redis type global-interface all
debug device-server dump idmgr redis type global-if-counter id <1-4294967295>
debug device-server dump idmgr redis type global-if-counter name <value>
debug device-server dump idmgr redis type global-if-counter all
debug device-server dump idmgr redis type global-vlan-domain id <1-4294967295>
debug device-server dump idmgr redis type global-vlan-domain name <value>
debug device-server dump idmgr redis type global-vlan-domain all
debug device-server dump idmgr redis type global-vlan id <1-4294967295>
debug device-server dump idmgr redis type global-vlan name <value>
debug device-server dump idmgr redis type global-vlan all
```

```
debug device-server dump idmgr redis type global-vrouter id <1-4294967295>
debug device-server dump idmgr redis type global-vrouter name <value>
debug device-server dump idmgr redis type global-vrouter all
debug device-server dump idmgr redis type global-rib-instance id <1-4294967295>
debug device-server dump idmgr redis type global-rib-instance name <value>
debug device-server dump idmgr redis type global-rib-instance all
debug device-server dump idmgr redis type shared-application id <1-4294967295>
debug device-server dump idmgr redis type shared-application name <value>
debug device-server dump idmgr redis type shared-application all
debug device-server dump idmgr redis type shared-application-filter id <1-5000>
debug device-server dump idmgr redis type shared-application-filter name <value>
debug device-server dump idmgr redis type shared-application-filter all
debug device-server dump idmgr redis type shared-application-group id <1-5000>
debug device-server dump idmgr redis type shared-application-group name <value>
debug device-server dump idmgr redis type shared-application-group all
debug device-server dump idmgr redis type custom-url-filter id <1-4294967295>
debug device-server dump idmgr redis type custom-url-filter name <value>
debug device-server dump idmgr redis type custom-url-filter all
debug device-server dump idmgr redis type vsys-application id <1-4096>
debug device-server dump idmgr redis type vsys-application name <value>
debug device-server dump idmgr redis type vsys-application all
debug device-server dump idmgr redis type vsys-application-filter id <5001-10000>
debug device-server dump idmgr redis type vsys-application-filter name <value>
debug device-server dump idmgr redis type vsys-application-filter all
debug device-server dump idmgr redis type vsys-application-group id <5001-10000>
debug device-server dump idmgr redis type vsys-application-group name <value>
debug device-server dump idmgr redis type vsys-application-group all
debug device-server dump idmgr redis type security-rule id <1-4096>
debug device-server dump idmgr redis type security-rule name <value>
debug device-server dump idmgr redis type security-rule all
debug device-server dump idmgr redis type nat-rule id <1-4096>
debug device-server dump idmgr redis type nat-rule name <value>
debug device-server dump idmgr redis type nat-rule all
```

```
debug device-server dump idmgr redis type ssl-rule id <1-4096>
debug device-server dump idmgr redis type ssl-rule name <value>
debug device-server dump idmgr redis type ssl-rule all
debug device-server dump idmgr redis type tci-rule id <1-2048>
debug device-server dump idmgr redis type tci-rule name <value>
debug device-server dump idmgr redis type tci-rule all
debug device-server dump idmgr redis type ike-gateway id <1-4096>
debug device-server dump idmgr redis type ike-gateway name <value>
debug device-server dump idmgr redis type ike-gateway all
debug device-server dump idmgr redis type pbf-rule id <1-4096>
debug device-server dump idmgr redis type pbf-rule name <value>
debug device-server dump idmgr redis type pbf-rule all
debug device-server dump idmgr redis type sdwan-rule id <1-4096>
debug device-server dump idmgr redis type sdwan-rule name <value>
debug device-server dump idmgr redis type sdwan-rule all
debug device-server dump idmgr redis type network-packet-broker-rule id <1-4096>
debug device-server dump idmgr redis type network-packet-broker-rule name <value>
debug device-server dump idmgr redis type network-packet-broker-rule all
debug device-server dump idmgr redis type sdwan-link-tag id <1-256>
debug device-server dump idmgr redis type sdwan-link-tag name <value>
debug device-server dump idmgr redis type sdwan-link-tag all
debug device-server dump idmgr redis type shared-custom-url-category id <1-4294967295>
debug device-server dump idmgr redis type shared-custom-url-category name <value>
debug device-server dump idmgr redis type shared-custom-url-category all
debug device-server dump idmgr redis type shared-edl-url-category id <1-4294967295>
debug device-server dump idmgr redis type shared-edl-url-category name <value>
debug device-server dump idmgr redis type shared-edl-url-category all
debug device-server dump idmgr redis type shared-header-insert-hosts id <1-4294967295>
debug device-server dump idmgr redis type shared-header-insert-hosts name <value>
debug device-server dump idmgr redis type shared-header-insert-hosts all
debug device-server dump idmgr redis type vsys-custom-url-category id <1-4294967295>
debug device-server dump idmgr redis type vsys-custom-url-category name <value>
debug device-server dump idmgr redis type vsys-custom-url-category all
```



```
debug device-server dump idmgr redis type vsys-edl-url-category id <1-4294967295>
debug device-server dump idmgr redis type vsys-edl-url-category name <value>
debug device-server dump idmgr redis type vsys-edl-url-category all
debug device-server dump idmgr redis type vsys-header-insert-hosts id <1-4294967295>
debug device-server dump idmgr redis type vsys-header-insert-hosts name <value>
debug device-server dump idmgr redis type vsys-header-insert-hosts all
debug device-server dump idmgr redis type shared-gateway id <1-4096>
debug device-server dump idmgr redis type shared-gateway name <value>
debug device-server dump idmgr redis type shared-gateway all
debug device-server dump idmgr redis type shared-region id <1-1023>
debug device-server dump idmgr redis type shared-region name <value>
debug device-server dump idmgr redis type shared-region all
debug device-server dump idmgr redis type vsys-region id <1024-3071>
debug device-server dump idmgr redis type vsys-region name <value>
debug device-server dump idmgr redis type vsys-region all
debug device-server dump idmgr redis type http-header-insert-header-value id <1-4294967295>
debug device-server dump idmgr redis type http-header-insert-header-value name <value>
debug device-server dump idmgr redis type http-header-insert-header-value all
debug device-server dump idmgr redis type global-iot-dev-category id <1-4294967295>
debug device-server dump idmgr redis type global-iot-dev-category name <value>
debug device-server dump idmgr redis type global-iot-dev-category all
debug device-server dump idmgr redis type global-iot-dev-profile id <1-4294967295>
debug device-server dump idmgr redis type global-iot-dev-profile name <value>
debug device-server dump idmgr redis type global-iot-dev-profile all
debug device-server dump idmgr redis type global-iot-dev-osfamily id <1-4294967295>
debug device-server dump idmgr redis type global-iot-dev-osfamily name <value>
debug device-server dump idmgr redis type global-iot-dev-osfamily all
debug device-server dump idmgr redis type global-iot-dev-os id <1-4294967295>
debug device-server dump idmgr redis type global-iot-dev-os name <value>
debug device-server dump idmgr redis type global-iot-dev-os all
debug device-server dump idmgr redis type global-iot-dev-model id <1-4294967295>
debug device-server dump idmgr redis type global-iot-dev-model name <value>
debug device-server dump idmgr redis type global-iot-dev-model all
```

```
debug device-server dump idmgr redis type global-iot-dev-vendor id <1-4294967295>
debug device-server dump idmgr redis type global-iot-dev-vendor name <value>
debug device-server dump idmgr redis type global-iot-dev-vendor all
debug device-server dump idmgr redis type hip-profile id <1-1024>
debug device-server dump idmgr redis type hip-profile name <value>
debug device-server dump idmgr redis type hip-profile all
debug device-server dump idmgr redis type hip-object id <1-65535>
debug device-server dump idmgr redis type hip-object name <value>
debug device-server dump idmgr redis type hip-object all
debug device-server dump idmgr redis type edl-domain id <1-30>
debug device-server dump idmgr redis type edl-domain name <value>
debug device-server dump idmgr redis type edl-domain all
debug device-server dump idmgr redis type edl-ip id <1-64>
debug device-server dump idmgr redis type edl-ip name <value>
debug device-server dump idmgr redis type edl-ip all
debug device-server dump idmgr type shared-app-signature id <1-32767>
debug device-server dump idmgr type shared-app-signature name <value>
debug device-server dump idmgr type shared-app-signature all
debug device-server dump idmgr type shared-url-filtering id <1-250>
debug device-server dump idmgr type shared-url-filtering name <value>
debug device-server dump idmgr type shared-url-filtering all
debug device-server dump idmgr type vsys-app-signature id <32768-65535>
debug device-server dump idmgr type vsys-app-signature name <value>
debug device-server dump idmgr type vsys-app-signature all
debug device-server dump idmgr type vsys-url-filtering id <251-5000>
debug device-server dump idmgr type vsys-url-filtering name <value>
debug device-server dump idmgr type vsys-url-filtering all
debug device-server dump idmgr type log-setting id <1-65535>
debug device-server dump idmgr type log-setting name <value>
debug device-server dump idmgr type log-setting all
debug device-server dump idmgr type shared-qos-profile id <1-65535>
debug device-server dump idmgr type shared-qos-profile name <value>
debug device-server dump idmgr type shared-qos-profile all
```

```
debug device-server dump idmgr type shared-qos-group id <1-255>
debug device-server dump idmgr type shared-qos-group name <value>
debug device-server dump idmgr type shared-qos-group all
debug device-server dump idmgr type shared-qos-member id <1-65535>
debug device-server dump idmgr type shared-qos-member name <value>
debug device-server dump idmgr type shared-qos-member all
debug device-server dump idmgr type qos-rule id <1-65535>
debug device-server dump idmgr type qos-rule name <value>
debug device-server dump idmgr type qos-rule all
debug device-server dump idmgr type shared-bgp-peergrp id <1-2047>
debug device-server dump idmgr type shared-bgp-peergrp name <value>
debug device-server dump idmgr type shared-bgp-peergrp all
debug device-server dump idmgr type shared-bgp-peer id <1-2047>
debug device-server dump idmgr type shared-bgp-peer name <value>
debug device-server dump idmgr type shared-bgp-peer all
debug device-server dump idmgr type shared-bgp-aggr-address id <1-2047>
debug device-server dump idmgr type shared-bgp-aggr-address name <value>
debug device-server dump idmgr type shared-bgp-aggr-address all
debug device-server dump idmgr type auth-rule id <1-65535>
debug device-server dump idmgr type auth-rule name <value>
debug device-server dump idmgr type auth-rule all
debug device-server dump idmgr type override-rule id <1-65535>
debug device-server dump idmgr type override-rule name <value>
debug device-server dump idmgr type override-rule all
debug device-server dump idmgr type dos-rule id <1-65535>
debug device-server dump idmgr type dos-rule name <value>
debug device-server dump idmgr type dos-rule all
debug device-server dump idmgr type interface-group id <1-255>
debug device-server dump idmgr type interface-group name <value>
debug device-server dump idmgr type interface-group all
debug device-server dump idmgr type macl-rule id <1-4095>
debug device-server dump idmgr type macl-rule name <value>
debug device-server dump idmgr type macl-rule all
```

```
debug device-server dump idmgr type ospfv3-virtual-link id <1-4095>
debug device-server dump idmgr type ospfv3-virtual-link name <value>
debug device-server dump idmgr type ospfv3-virtual-link all
debug device-server dump idmgr type zone id <1-4294967295>
debug device-server dump idmgr type zone name <value>
debug device-server dump idmgr type zone all
debug device-server dump idmgr type vsys id <1-4294967295>
debug device-server dump idmgr type vsys name <value>
debug device-server dump idmgr type vsys all
debug device-server dump idmgr type dns-proxy id <1-512>
debug device-server dump idmgr type dns-proxy name <value>
debug device-server dump idmgr type dns-proxy all
debug device-server dump idmgr type monitor-tag id <1-4095>
debug device-server dump idmgr type monitor-tag name <value>
debug device-server dump idmgr type monitor-tag all
debug device-server dump idmgr type global-tunnel id <1-65535>
debug device-server dump idmgr type global-tunnel name <value>
debug device-server dump idmgr type global-tunnel all
debug device-server dump idmgr type global-interface id <1-4294967295>
debug device-server dump idmgr type global-interface name <value>
debug device-server dump idmgr type global-interface all
debug device-server dump idmgr type global-if-counter id <1-4294967295>
debug device-server dump idmgr type global-if-counter name <value>
debug device-server dump idmgr type global-if-counter all
debug device-server dump idmgr type global-vlan-domain id <1-4294967295>
debug device-server dump idmgr type global-vlan-domain name <value>
debug device-server dump idmgr type global-vlan-domain all
debug device-server dump idmgr type global-vlan id <1-4294967295>
debug device-server dump idmgr type global-vlan name <value>
debug device-server dump idmgr type global-vlan all
debug device-server dump idmgr type global-vrouter id <1-4294967295>
debug device-server dump idmgr type global-vrouter name <value>
debug device-server dump idmgr type global-vrouter all
```

```
debug device-server dump idmgr type global-rib-instance id <1-4294967295>
debug device-server dump idmgr type global-rib-instance name <value>
debug device-server dump idmgr type global-rib-instance all
debug device-server dump idmgr type shared-application id <1-4294967295>
debug device-server dump idmgr type shared-application name <value>
debug device-server dump idmgr type shared-application all
debug device-server dump idmgr type shared-application-filter id <1-5000>
debug device-server dump idmgr type shared-application-filter name <value>
debug device-server dump idmgr type shared-application-filter all
debug device-server dump idmgr type shared-application-group id <1-5000>
debug device-server dump idmgr type shared-application-group name <value>
debug device-server dump idmgr type shared-application-group all
debug device-server dump idmgr type custom-url-filter id <1-4294967295>
debug device-server dump idmgr type custom-url-filter name <value>
debug device-server dump idmgr type custom-url-filter all
debug device-server dump idmgr type vsys-application id <1-4096>
debug device-server dump idmgr type vsys-application name <value>
debug device-server dump idmgr type vsys-application all
debug device-server dump idmgr type vsys-application-filter id <5001-10000>
debug device-server dump idmgr type vsys-application-filter name <value>
debug device-server dump idmgr type vsys-application-filter all
debug device-server dump idmgr type vsys-application-group id <5001-10000>
debug device-server dump idmgr type vsys-application-group name <value>
debug device-server dump idmgr type vsys-application-group all
debug device-server dump idmgr type security-rule id <1-4096>
debug device-server dump idmgr type security-rule name <value>
debug device-server dump idmgr type security-rule all
debug device-server dump idmgr type nat-rule id <1-4096>
debug device-server dump idmgr type nat-rule name <value>
debug device-server dump idmgr type nat-rule all
debug device-server dump idmgr type ssl-rule id <1-4096>
debug device-server dump idmgr type ssl-rule name <value>
debug device-server dump idmgr type ssl-rule all
```

```
debug device-server dump idmgr type tci-rule id <1-2048>
debug device-server dump idmgr type tci-rule name <value>
debug device-server dump idmgr type tci-rule all
debug device-server dump idmgr type ike-gateway id <1-4096>
debug device-server dump idmgr type ike-gateway name <value>
debug device-server dump idmgr type ike-gateway all
debug device-server dump idmgr type pbf-rule id <1-4096>
debug device-server dump idmgr type pbf-rule name <value>
debug device-server dump idmgr type pbf-rule all
debug device-server dump idmgr type sdwan-rule id <1-4096>
debug device-server dump idmgr type sdwan-rule name <value>
debug device-server dump idmgr type sdwan-rule all
debug device-server dump idmgr type network-packet-broker-rule id <1-4096>
debug device-server dump idmgr type network-packet-broker-rule name <value>
debug device-server dump idmgr type network-packet-broker-rule all
debug device-server dump idmgr type sdwan-link-tag id <1-256>
debug device-server dump idmgr type sdwan-link-tag name <value>
debug device-server dump idmgr type sdwan-link-tag all
debug device-server dump idmgr type shared-custom-url-category id <1-4294967295>
debug device-server dump idmgr type shared-custom-url-category name <value>
debug device-server dump idmgr type shared-custom-url-category all
debug device-server dump idmgr type shared-edl-url-category id <1-4294967295>
debug device-server dump idmgr type shared-edl-url-category name <value>
debug device-server dump idmgr type shared-edl-url-category all
debug device-server dump idmgr type shared-header-insert-hosts id <1-4294967295>
debug device-server dump idmgr type shared-header-insert-hosts name <value>
debug device-server dump idmgr type shared-header-insert-hosts all
debug device-server dump idmgr type vsys-custom-url-category id <1-4294967295>
debug device-server dump idmgr type vsys-custom-url-category name <value>
debug device-server dump idmgr type vsys-custom-url-category all
debug device-server dump idmgr type vsys-edl-url-category id <1-4294967295>
debug device-server dump idmgr type vsys-edl-url-category name <value>
debug device-server dump idmgr type vsys-edl-url-category all
```

```
debug device-server dump idmgr type edl-domain id <1-30>
debug device-server dump idmgr type edl-domain name <value>
debug device-server dump idmgr type edl-domain all
debug device-server dump idmgr type edl-ip id <1-64>
debug device-server dump idmgr type edl-ip name <value>
debug device-server dump idmgr type edl-ip all
debug device-server dump idmgr type vsys-header-insert-hosts id <1-4294967295>
debug device-server dump idmgr type vsys-header-insert-hosts name <value>
debug device-server dump idmgr type vsys-header-insert-hosts all
debug device-server dump idmgr type shared-gateway id <1-4096>
debug device-server dump idmgr type shared-gateway name <value>
debug device-server dump idmgr type shared-gateway all
debug device-server dump idmgr type shared-region id <1-1023>
debug device-server dump idmgr type shared-region name <value>
debug device-server dump idmgr type shared-region all
debug device-server dump idmgr type vsys-region id <1024-3071>
debug device-server dump idmgr type vsys-region name <value>
debug device-server dump idmgr type vsys-region all
debug device-server dump idmgr type http-header-insert-header-value id <1-4294967295>
debug device-server dump idmgr type http-header-insert-header-value name <value>
debug device-server dump idmgr type http-header-insert-header-value all
debug device-server dump idmgr type global-iot-dev-category id <1-4294967295>
debug device-server dump idmgr type global-iot-dev-category name <value>
debug device-server dump idmgr type global-iot-dev-category all
debug device-server dump idmgr type global-iot-dev-profile id <1-4294967295>
debug device-server dump idmgr type global-iot-dev-profile name <value>
debug device-server dump idmgr type global-iot-dev-profile all
debug device-server dump idmgr type global-iot-dev-osfamily id <1-4294967295>
debug device-server dump idmgr type global-iot-dev-osfamily name <value>
debug device-server dump idmgr type global-iot-dev-osfamily all
debug device-server dump idmgr type global-iot-dev-os id <1-4294967295>
debug device-server dump idmgr type global-iot-dev-os name <value>
debug device-server dump idmgr type global-iot-dev-os all
```

```
debug device-server dump idmgr type global-iot-dev-model id <1-4294967295>
debug device-server dump idmgr type global-iot-dev-model name <value>
debug device-server dump idmgr type global-iot-dev-model all
debug device-server dump idmgr type global-iot-dev-vendor id <1-4294967295>
debug device-server dump idmgr type global-iot-dev-vendor name <value>
debug device-server dump idmgr type global-iot-dev-vendor all
debug device-server dump idmgr type hip-profile id <1-1024>
debug device-server dump idmgr type hip-profile name <value>
debug device-server dump idmgr type hip-profile all
debug device-server dump idmgr type hip-object id <1-65535>
debug device-server dump idmgr type hip-object name <value>
debug device-server dump idmgr type hip-object all
debug device-server dump logging statistics
debug device-server dump com all
debug device-server dump com opcmd
debug device-server dump com sshkey
debug device-server dump com status
debug device-server dump com url
debug device-server dump com mlav
debug device-server off
debug device-server clear
debug device-server show
debug mprelay on dump
debug mprelay on debug
debug mprelay on info
debug mprelay on warn
debug mprelay on error
debug mprelay off
debug mprelay show
debug netconfig-agent on dump
debug netconfig-agent on debug
debug netconfig-agent on info
debug netconfig-agent on warn
```



```
debug netconfig-agent on error
debug netconfig-agent off
debug netconfig-agent show
debug tac-login permanently-disable
debug tac-login challenge
debug tac-login response
debug lpmgrd status
debug lpmgrd dump idmgr type user id <1-4294967295>
debug lpmgrd dump idmgr type user name <value>
debug lpmgrd dump idmgr type user all
debug lpmgrd dump idmgr type user-group id <1-4294967295>
debug lpmgrd dump idmgr type user-group name <value>
debug lpmgrd dump idmgr type user-group all
debug lpmgrd dump idmgr type computer id <1-4294967295>
debug lpmgrd dump idmgr type computer name <value>
debug lpmgrd dump idmgr type computer all
debug lpmgrd dump idmgr type hip-profile id <1-1024>
debug lpmgrd dump idmgr type hip-profile name <value>
debug lpmgrd dump idmgr type hip-profile all
debug lpmgrd dump idmgr type hip-object id <1-65535>
debug lpmgrd dump idmgr type hip-object name <value>
debug lpmgrd dump idmgr type hip-object all
debug lpmgrd dump idmgr type shared-app-signature id <1-32767>
debug lpmgrd dump idmgr type shared-app-signature name <value>
debug lpmgrd dump idmgr type shared-app-signature all
debug lpmgrd dump idmgr type shared-url-filtering id <1-250>
debug lpmgrd dump idmgr type shared-url-filtering name <value>
debug lpmgrd dump idmgr type shared-url-filtering all
debug lpmgrd dump idmgr type vsys-app-signature id <32768-65535>
debug lpmgrd dump idmgr type vsys-app-signature name <value>
debug lpmgrd dump idmgr type vsys-app-signature all
debug lpmgrd dump idmgr type vsys-url-filtering id <251-5000>
debug lpmgrd dump idmgr type vsys-url-filtering name <value>
```

```
debug lpmgrd dump idmgr type vsys-url-filtering all
debug lpmgrd dump idmgr type log-setting id <1-65535>
debug lpmgrd dump idmgr type log-setting name <value>
debug lpmgrd dump idmgr type log-setting all
debug lpmgrd dump idmgr type shared-qos-profile id <1-65535>
debug lpmgrd dump idmgr type shared-qos-profile name <value>
debug lpmgrd dump idmgr type shared-qos-profile all
debug lpmgrd dump idmgr type shared-qos-group id <1-255>
debug lpmgrd dump idmgr type shared-qos-group name <value>
debug lpmgrd dump idmgr type shared-qos-group all
debug lpmgrd dump idmgr type shared-qos-member id <1-65535>
debug lpmgrd dump idmgr type shared-qos-member name <value>
debug lpmgrd dump idmgr type shared-qos-member all
debug lpmgrd dump idmgr type qos-rule id <1-65535>
debug lpmgrd dump idmgr type qos-rule name <value>
debug lpmgrd dump idmgr type qos-rule all
debug lpmgrd dump idmgr type shared-bgp-peergrp id <1-2047>
debug lpmgrd dump idmgr type shared-bgp-peergrp name <value>
debug lpmgrd dump idmgr type shared-bgp-peergrp all
debug lpmgrd dump idmgr type shared-bgp-peer id <1-2047>
debug lpmgrd dump idmgr type shared-bgp-peer name <value>
debug lpmgrd dump idmgr type shared-bgp-peer all
debug lpmgrd dump idmgr type shared-bgp-aggr-address id <1-2047>
debug lpmgrd dump idmgr type shared-bgp-aggr-address name <value>
debug lpmgrd dump idmgr type shared-bgp-aggr-address all
debug lpmgrd dump idmgr type override-rule id <1-65535>
debug lpmgrd dump idmgr type override-rule name <value>
debug lpmgrd dump idmgr type override-rule all
debug lpmgrd dump idmgr type dos-rule id <1-65535>
debug lpmgrd dump idmgr type dos-rule name <value>
debug lpmgrd dump idmgr type dos-rule all
debug lpmgrd dump idmgr type interface-group id <1-255>
debug lpmgrd dump idmgr type interface-group name <value>
```

```
debug lpmgrd dump idmgr type interface-group all
debug lpmgrd dump idmgr type macl-rule id <1-4095>
debug lpmgrd dump idmgr type macl-rule name <value>
debug lpmgrd dump idmgr type macl-rule all
debug lpmgrd dump idmgr type ospfv3-virtual-link id <1-4095>
debug lpmgrd dump idmgr type ospfv3-virtual-link name <value>
debug lpmgrd dump idmgr type ospfv3-virtual-link all
debug lpmgrd dump idmgr type zone id <1-4294967295>
debug lpmgrd dump idmgr type zone name <value>
debug lpmgrd dump idmgr type zone all
debug lpmgrd dump idmgr type vsys id <1-4294967295>
debug lpmgrd dump idmgr type vsys name <value>
debug lpmgrd dump idmgr type vsys all
debug lpmgrd dump idmgr type global-tunnel id <1-65535>
debug lpmgrd dump idmgr type global-tunnel name <value>
debug lpmgrd dump idmgr type global-tunnel all
debug lpmgrd dump idmgr type global-interface id <1-4294967295>
debug lpmgrd dump idmgr type global-interface name <value>
debug lpmgrd dump idmgr type global-interface all
debug lpmgrd dump idmgr type global-if-counter id <1-4294967295>
debug lpmgrd dump idmgr type global-if-counter name <value>
debug lpmgrd dump idmgr type global-if-counter all
debug lpmgrd dump idmgr type global-vlan-domain id <1-4294967295>
debug lpmgrd dump idmgr type global-vlan-domain name <value>
debug lpmgrd dump idmgr type global-vlan-domain all
debug lpmgrd dump idmgr type global-vlan id <1-4294967295>
debug lpmgrd dump idmgr type global-vlan name <value>
debug lpmgrd dump idmgr type global-vlan all
debug lpmgrd dump idmgr type global-vrouter id <1-4294967295>
debug lpmgrd dump idmgr type global-vrouter name <value>
debug lpmgrd dump idmgr type global-vrouter all
debug lpmgrd dump idmgr type global-rib-instance id <1-4294967295>
debug lpmgrd dump idmgr type global-rib-instance name <value>
```

```
debug lpmgrd dump idmgr type global-rib-instance all
debug lpmgrd dump idmgr type shared-application id <1-4294967295>
debug lpmgrd dump idmgr type shared-application name <value>
debug lpmgrd dump idmgr type shared-application all
debug lpmgrd dump idmgr type custom-url-filter id <1-4294967295>
debug lpmgrd dump idmgr type custom-url-filter name <value>
debug lpmgrd dump idmgr type custom-url-filter all
debug lpmgrd dump idmgr type vsys-application id <1-4096>
debug lpmgrd dump idmgr type vsys-application name <value>
debug lpmgrd dump idmgr type vsys-application all
debug lpmgrd dump idmgr type security-rule id <1-4096>
debug lpmgrd dump idmgr type security-rule name <value>
debug lpmgrd dump idmgr type security-rule all
debug lpmgrd dump idmgr type nat-rule id <1-4096>
debug lpmgrd dump idmgr type nat-rule name <value>
debug lpmgrd dump idmgr type nat-rule all
debug lpmgrd dump idmgr type ssl-rule id <1-4096>
debug lpmgrd dump idmgr type ssl-rule name <value>
debug lpmgrd dump idmgr type ssl-rule all
debug lpmgrd dump idmgr type tci-rule id <1-2048>
debug lpmgrd dump idmgr type tci-rule name <value>
debug lpmgrd dump idmgr type tci-rule all
debug lpmgrd dump idmgr type ike-gateway id <1-4096>
debug lpmgrd dump idmgr type ike-gateway name <value>
debug lpmgrd dump idmgr type ike-gateway all
debug lpmgrd dump idmgr type pbf-rule id <1-4096>
debug lpmgrd dump idmgr type pbf-rule name <value>
debug lpmgrd dump idmgr type pbf-rule all
debug lpmgrd dump idmgr type sdwan-rule id <1-4096>
debug lpmgrd dump idmgr type sdwan-rule name <value>
debug lpmgrd dump idmgr type sdwan-rule all
debug lpmgrd dump idmgr type network-packet-broker-rule id <1-4096>
debug lpmgrd dump idmgr type network-packet-broker-rule name <value>
```

```
debug lpmgrd dump idmgr type network-packet-broker-rule all
debug lpmgrd dump idmgr type sdwan-link-tag id <1-256>
debug lpmgrd dump idmgr type sdwan-link-tag name <value>
debug lpmgrd dump idmgr type sdwan-link-tag all
debug lpmgrd dump idmgr type shared-custom-url-category id <1-4294967295>
debug lpmgrd dump idmgr type shared-custom-url-category name <value>
debug lpmgrd dump idmgr type shared-custom-url-category all
debug lpmgrd dump idmgr type shared-edl-url-category id <1-4294967295>
debug lpmgrd dump idmgr type shared-edl-url-category name <value>
debug lpmgrd dump idmgr type shared-edl-url-category all
debug lpmgrd dump idmgr type shared-header-insert-hosts id <1-4294967295>
debug lpmgrd dump idmgr type shared-header-insert-hosts name <value>
debug lpmgrd dump idmgr type shared-header-insert-hosts all
debug lpmgrd dump idmgr type vsys-custom-url-category id <1-4294967295>
debug lpmgrd dump idmgr type vsys-custom-url-category name <value>
debug lpmgrd dump idmgr type vsys-custom-url-category all
debug lpmgrd dump idmgr type vsys-edl-url-category id <1-4294967295>
debug lpmgrd dump idmgr type vsys-edl-url-category name <value>
debug lpmgrd dump idmgr type vsys-edl-url-category all
debug lpmgrd dump idmgr type edl-domain id <1-30>
debug lpmgrd dump idmgr type edl-domain name <value>
debug lpmgrd dump idmgr type edl-domain all
debug lpmgrd dump idmgr type edl-ip id <1-64>
debug lpmgrd dump idmgr type edl-ip name <value>
debug lpmgrd dump idmgr type edl-ip all
debug lpmgrd dump idmgr type vsys-header-insert-hosts id <1-4294967295>
debug lpmgrd dump idmgr type vsys-header-insert-hosts name <value>
debug lpmgrd dump idmgr type vsys-header-insert-hosts all
debug lpmgrd dump idmgr type shared-gateway id <1-4096>
debug lpmgrd dump idmgr type shared-gateway name <value>
debug lpmgrd dump idmgr type shared-gateway all
debug lpmgrd dump idmgr type shared-region id <1-1023>
debug lpmgrd dump idmgr type shared-region name <value>
```

```
debug lpmgrd dump idmgr type shared-region all
debug lpmgrd dump idmgr type vsys-region id <1024-3071>
debug lpmgrd dump idmgr type vsys-region name <value>
debug lpmgrd dump idmgr type vsys-region all
debug dataplane ctd-agent global on <warn|normal|debug|dump>
debug dataplane ctd-agent global off
debug dataplane ctd-agent global show
debug dataplane ctd-agent clear all
debug dataplane ctd-agent set source <ip/netmask>
debug dataplane ctd-agent set host <value>
debug dataplane ctd-agent set port <1-65535>
debug dataplane ctd-agent set ace-debug <value>
debug dataplane ctd-agent session id <1-4294967295>
debug dataplane ctd-agent config profile
debug dataplane ctd-agent config policy
debug dataplane ctd-agent license
debug dataplane ctd-agent device-cert
debug dataplane cloud-appid show all-apps
debug dataplane cloud-appid show filter-sig-id
debug dataplane cloud-appid show database details
debug dataplane cloud-appid show app-sig type <tcp|udp>
debug dataplane cloud-appid show detection apps-detected
debug dataplane cloud-appid show detection signatures-matched
debug dataplane cloud-appid show cache statistics
debug dataplane cloud-appid show cache entries
debug dataplane cloud-appid show app-counts
debug dataplane cloud-appid lookup name <value>
debug dataplane cloud-appid lookup global-id <1-2147483647>
debug dataplane cloud-appid lookup local-id <1-65535>
debug dataplane cloud-appid lookup filter-sig-id <1-2147483647>
debug dataplane cloud-appid reset cache appid <32768-4294967295>
debug dataplane cloud-appid reset cache hash-slot <0-1048575>
debug dataplane cloud-appid reset cache all
```

```

debug dataplane cloud-appid set report-overlap enable
debug dataplane cloud-appid set report-overlap disable
debug dataplane cloud-appid set report-overlap default
debug dataplane flush-log
debug dataplane test url <value>
debug dataplane test url-bloom <value>
debug dataplane test uappid-filtergroup-mapping uappid <1-4294967295> filters
debug dataplane test uappid-filtergroup-mapping uappid <1-4294967295> filters [ <filters1>
<filters2>... ]
debug dataplane test uappid-policy-cache uappid <1-4294967295> vsysid <1-256> policy-type
<SEC|APPOV|DECR|NAT|AUTH|QOS|PBF|DOS|TCI|SDWAN|NPB>
debug dataplane test dump-nw-id-ebl-tble
debug dataplane test dump-nw-id-vsys-tble vsysid <1-65535>
debug dataplane test nw-id-lookup vsysid <1-65535> lookup-id-imsi <value> lookup-id-imei
<value> lookup-id-nssai <0-255>
debug dataplane test tunnel-tables
debug dataplane test url-from-file max-per-sec <1-65535>
debug dataplane test nat-policy-add from <value> to <value> source <ip/netmask> destination
<ip/netmask> protocol <1-255> source-port <1-65535> destination-port <1-65535> protocol
<1-255>
debug dataplane test nat-policy-del from <value> to <value> source <ip/netmask> translate-
source <ip/netmask> destination <ip/netmask> protocol <1-255> source-port <1-65535>
translate-source-port <1-65535> destination-port <1-65535> protocol <1-255>
debug dataplane packet-path-test test proc <value>
debug dataplane packet-path-test counter
debug dataplane nat sync-ippool rule <value>
debug dataplane nat static-mapping add from-ip <ip/netmask> to-ip <ip/netmask> from-port
<1-65535> to-port <1-65535>
debug dataplane nat static-mapping show
debug dataplane nat static-mapping del from-ip <ip/netmask> from-port <1-65535>
debug dataplane mmdbg status
debug dataplane mmdbg leakkiller memory-pool show top-ref
debug dataplane mmdbg leakkiller memory-pool show cur-ref
debug dataplane mmdbg leakkiller memory-pool show all-ref
debug dataplane mmdbg leakkiller memory-pool enable yes
debug dataplane mmdbg leakkiller memory-pool enable no

```

```
debug dataplane mmdbg leakkiller swbuf-pool show top-ref
debug dataplane mmdbg leakkiller swbuf-pool show cur-ref
debug dataplane mmdbg leakkiller swbuf-pool show all-ref
debug dataplane mmdbg leakkiller swbuf-pool enable yes
debug dataplane mmdbg leakkiller swbuf-pool enable no
debug dataplane mmdbg pool-debug overflow-check enable
debug dataplane mmdbg pool-debug overflow-check disable
debug dataplane mmdbg pool-debug reuse-check enable
debug dataplane mmdbg pool-debug reuse-check disable
debug dataplane mmdbg obj-trace ev_num_per_q set <128-65536>
debug dataplane mmdbg obj-trace symbol lvl <1-3>
debug dataplane mmdbg obj-trace stop enable
debug dataplane mmdbg obj-trace stop disable
debug dataplane mmdbg obj-trace session level basic
debug dataplane mmdbg obj-trace session level medium
debug dataplane mmdbg obj-trace session level verbose
debug dataplane mmdbg obj-trace session level disable
debug dataplane mmdbg obj-trace wqe leak-dump num <16-1024>
debug dataplane mmdbg obj-trace wqe trace-type normal
debug dataplane mmdbg obj-trace wqe trace-type leak
debug dataplane mmdbg obj-trace wqe delay-free enable
debug dataplane mmdbg obj-trace wqe delay-free disable
debug dataplane mmdbg obj-trace wqe level basic
debug dataplane mmdbg obj-trace wqe level medium
debug dataplane mmdbg obj-trace wqe level verbose
debug dataplane mmdbg obj-trace wqe level disable
debug dataplane mmdbg obj-trace wqe extra-trace yes
debug dataplane mmdbg obj-trace wqe extra-trace no
debug dataplane mmdbg obj-trace shared-pool-192 level basic
debug dataplane mmdbg obj-trace shared-pool-192 level medium
debug dataplane mmdbg obj-trace shared-pool-192 level verbose
debug dataplane mmdbg obj-trace shared-pool-192 level disable
debug dataplane mmdbg obj-trace shared-pool-24 level basic
```



```
debug dataplane mmdbg obj-trace shared-pool-24 level medium
debug dataplane mmdbg obj-trace shared-pool-24 level verbose
debug dataplane mmdbg obj-trace shared-pool-24 level disable
debug dataplane mmdbg watchpoint address s1dp0 <value>
debug dataplane policy switch-cache
debug dataplane show url-cache statistics
debug dataplane show dp-user-cache statistics
debug dataplane show dns-cache statistics
debug dataplane show dns-cache query fqdn <value>
debug dataplane show dns-cache print
debug dataplane show dos rule
debug dataplane show dos rule <name> classification-table
debug dataplane show dos zone
debug dataplane show dos zone <name> block-table
debug dataplane show dos classification-table
debug dataplane show dos block-table
debug dataplane show dos free-list
debug dataplane show com statistics
debug dataplane show ctd session <1-4294967295>
debug dataplane show ctd regex-stats dump
debug dataplane show ctd regex-group dump
debug dataplane show ctd aggregate-table
debug dataplane show ctd memory-state
debug dataplane show ctd driveby-table
debug dataplane show ctd sml-cache
debug dataplane show ctd version
debug dataplane show ctd threat id <0-7040000> cid <0-1024>
debug dataplane show ctd pcap-cache
debug dataplane show ctd dns-cache entries host <value> show-expired <yes|no>
debug dataplane show ctd dns-cache stats
debug dataplane show ctd wf-cache virus-pattern-type <PE|DNS|Hash|ALL>
debug dataplane show ctd wf-stats
debug dataplane show ctd lscan database context prefix <value>
```

```
debug dataplane show ctd lscan database context-list
debug dataplane show ctd lscan database details
debug dataplane show ctd lscan sml-token appid <1-4294967295>
debug dataplane show ctd lscan sml-scope appid <1-4294967295>
debug dataplane show ctd lscan app-sig type <tcp|udp>
debug dataplane show ctd dns-id-cache
debug dataplane show ctd feature-forward forward-info session-id <1-4294967295>
debug dataplane show ctd feature-forward forward-entry-summary
debug dataplane show ctd feature-forward shared-memory-stats
debug dataplane show ctd feature-forward ctd-agent-running-cores
debug dataplane show ctd credential-enforcement group-mapping vsys <value>
debug dataplane show ctd credential-enforcement domain-credential
debug dataplane show ctd wildfire max
debug dataplane show pow no-desched
debug dataplane show cfg-memstat statistics
debug dataplane show enhanced-application-logging
debug dataplane show memory-pool statistics
debug dataplane show ssl-decrypt session <1-4294967295>
debug dataplane show ssl-decrypt bitmask-version <value>
debug dataplane show ssl-decrypt bitmask-cipher <value>
debug dataplane show ssl-decrypt ssl-stats
debug dataplane show ssl-decrypt dns-cache
debug dataplane show http2 session <1-4294967295>
debug dataplane show http2 stream-session <1-4294967295>
debug dataplane show username-cache
debug dataplane show cookie-surrogate-cache
debug dataplane show app-filter-policy vsys <value> filter-id <1-10000>
debug dataplane show app-group-policy vsys <value> group-id <10001-20000>
debug dataplane show uappid-in-policy id <10000000-4294967295>
debug dataplane show uappid-filtergroup-mapping id <1-4294967295>
debug dataplane show uappid-policy-cache uappid <1-4294967295>
debug dataplane show unknown-uappid-cache id <1-4294967295>
debug dataplane show no-sess-owner-query-limit
```

```
debug dataplane reset logging
debug dataplane reset pow
debug dataplane reset appid cache
debug dataplane reset appid statistics
debug dataplane reset appid unknown-cache destination <ip/netmask>
debug dataplane reset ssl-decrypt certificate-cache
debug dataplane reset ssl-decrypt certificate-status
debug dataplane reset ssl-decrypt gp-cookie-cache
debug dataplane reset ssl-decrypt notify-cache source <ip/netmask>
debug dataplane reset ssl-decrypt dns-cache
debug dataplane reset ssl-decrypt session-cache
debug dataplane reset ssl-decrypt dns-cache
debug dataplane reset ssl-decrypt rewrite-stats
debug dataplane reset ssl-decrypt hsm-request
debug dataplane reset ctd ctdf-water-mark
debug dataplane reset ctd regex-stats
debug dataplane reset ctd url-block-cache lockout
debug dataplane reset ctd dns-cache host <value>
debug dataplane reset ctd dns-id-cache
debug dataplane reset ctd dns-cache-stats
debug dataplane reset ctd wf-cache virus-pattern-type <PE|DNS|Hash|ALL>
debug dataplane reset ctd wf-stats
debug dataplane reset dos rule
debug dataplane reset dos rule <name> classification-table
debug dataplane reset dos zone
debug dataplane reset dos zone <name> block-table source <ip/netmask>
debug dataplane reset dos zone <name> block-table all
debug dataplane reset dos classification-table
debug dataplane reset dos block-table
debug dataplane reset username-cache
debug dataplane reset ml-lookup-cache
debug dataplane reset dns-cache fqdn <value>
debug dataplane reset dns-cache all
```

```
debug dataplane set ip4-ignore-df yes
debug dataplane set ip4-ignore-df no
debug dataplane set ip6-host-pmtu-exception-check yes
debug dataplane set ip6-host-pmtu-exception-check no
debug dataplane set ip6-ucast-mac-check yes
debug dataplane set ip6-ucast-mac-check no
debug dataplane set ip6-routing-hdr-check yes
debug dataplane set ip6-routing-hdr-check no
debug dataplane set ip6-mcast-fwd-check on
debug dataplane set ip6-mcast-fwd-check off
debug dataplane set ip6-mcast-fwd-check show
debug dataplane set ssl-decrypt blk-send-reset yes
debug dataplane set ssl-decrypt blk-send-reset no
debug dataplane set ssl-decrypt ecdhe-aggressive-keying yes
debug dataplane set ssl-decrypt ecdhe-aggressive-keying no
debug dataplane set pbf-no-return-mac-learning on
debug dataplane set pbf-no-return-mac-learning off
debug dataplane set pbf-no-return-mac-learning show
debug dataplane set blocked-forward upload yes
debug dataplane set blocked-forward upload no
debug dataplane set jumboframe-buffer-adjustment yes
debug dataplane set jumboframe-buffer-adjustment no
debug dataplane set ctd autogen <yes|no>
debug dataplane set ctd wildfire max <0-5000>
debug dataplane set pow no-desched yes
debug dataplane set pow no-desched no
debug dataplane oprofile opcontrol start
debug dataplane oprofile opcontrol stop
debug dataplane oprofile opcontrol status
debug dataplane oprofile opcontrol shutdown
debug dataplane oprofile oprofile details
debug dataplane oprofile oprofile symbols
debug dataplane appinfo clear
```

```
debug dataplane packet-diag aggregate-logs log_name <value> strip_tags <yes|no>
debug dataplane packet-diag set tag <1-65535>
debug dataplane packet-diag set filter pre-parse-match <yes|no>
debug dataplane packet-diag set filter offload <yes|no>
debug dataplane packet-diag set filter on
debug dataplane packet-diag set filter off
debug dataplane packet-diag set filter index
debug dataplane packet-diag set filter index <name> match ingress-interface <value> source
<ip/netmask> destination <value> source-port <1-65535> destination-port <1-65535> source-
netmask <1-128> destination-netmask <1-128> protocol <1-255> non-ip <exclude|include|only>
ipv6-only <yes|no> lcap <yes|no>
debug dataplane packet-diag set filter match ingress-interface <value> source <ip/netmask>
destination <value> source-port <1-65535> destination-port <1-65535> source-netmask
<1-128> destination-netmask <1-128> protocol <1-255> non-ip <exclude|include|only> ipv6-
only <yes|no> lcap <yes|no>
debug dataplane packet-diag set capture snaplen <40-65535>
debug dataplane packet-diag set capture username <value>
debug dataplane packet-diag set capture on
debug dataplane packet-diag set capture off
debug dataplane packet-diag set capture trigger application from <value> to <value> file <value>
packet-count <1-209715200> byte-count <1-209715200>
debug dataplane packet-diag set capture stage receive file <value> packet-count <1-209715200>
byte-count <1-209715200>
debug dataplane packet-diag set capture stage firewall file <value> packet-count <1-209715200>
byte-count <1-209715200>
debug dataplane packet-diag set capture stage drop file <value> packet-count <1-209715200>
byte-count <1-209715200>
debug dataplane packet-diag set capture stage transmit file <value> packet-count
<1-209715200> byte-count <1-209715200>
debug dataplane packet-diag set capture stage clientless-vpn-client file <value> packet-count
<1-209715200> byte-count <1-209715200> detail-level <0-2>
debug dataplane packet-diag set capture stage clientless-vpn-server file <value> packet-count
<1-209715200> byte-count <1-209715200> detail-level <0-2>
debug dataplane packet-diag set log timeout <0-3600>
debug dataplane packet-diag set log buffer-threshold <60-100>
debug dataplane packet-diag set log cpu-threshold <60-100>
debug dataplane packet-diag set log counter <value>
debug dataplane packet-diag set log on
```

```

debug dataplane packet-diag set log off
debug dataplane packet-diag set log log-option throttle <yes|no>
debug dataplane packet-diag set log feature base <config|id|ha|all>
debug dataplane packet-diag set log feature tdb <basic|aho|all>
debug dataplane packet-diag set log feature cfg <basic|config|agent|all>
debug dataplane packet-diag set log feature tcp <reass|fptcp|rexmt|all>
debug dataplane packet-diag set log feature ssl <basic|offload|all>
debug dataplane packet-diag set log feature proxy <basic|all>
debug dataplane packet-diag set log feature pow <basic|all>
debug dataplane packet-diag set log feature zip <basic|all>
debug dataplane packet-diag set log feature misc <misc|all>
debug dataplane packet-diag set log feature module <aho|dfa|scan|url|all>
debug dataplane packet-diag set log feature flow <basic|ager|ha|np|arp|nd|receive|pred|log|fbo|
track|cluster|sdwan|sdwan_probe|fbo|all>
debug dataplane packet-diag set log feature tunnel <flow|ager>
debug dataplane packet-diag set log feature ctd <basic|dns|sml|url|detector|mlav|urlcat|error|voip|
autogen|wif|all>
debug dataplane packet-diag set log feature appid <agt|basic|policy|dfa|all>
debug dataplane packet-diag set log feature url_trie <basic|stat|all>
debug dataplane packet-diag set log feature http2 <basic|all>
debug dataplane packet-diag set log feature all
debug dataplane packet-diag set filter-marked-session id <1-4294967295>
debug dataplane packet-diag clear all
debug dataplane packet-diag clear filter index <1-4>|<all> clear-marked-session <yes|no>
debug dataplane packet-diag clear capture trigger <global-counter|application>
debug dataplane packet-diag clear capture stage <receive|firewall|drop|transmit|clientless-vpn-
client|clientless-vpn-server>
debug dataplane packet-diag clear capture all
debug dataplane packet-diag clear capture snaplen
debug dataplane packet-diag clear capture username
debug dataplane packet-diag clear log counter <value>|<all>
debug dataplane packet-diag clear log log
debug dataplane packet-diag clear log feature url_trie <basic|stat|all>
debug dataplane packet-diag clear log feature base <config|id|ha|all>

```

```
debug dataplane packet-diag clear log feature tdb <basic|aho|all>
debug dataplane packet-diag clear log feature cfg <basic|config|agent|all>
debug dataplane packet-diag clear log feature tcp <reass|fptcp|rexmt|all>
debug dataplane packet-diag clear log feature ssl <basic|offload|all>
debug dataplane packet-diag clear log feature proxy <basic|all>
debug dataplane packet-diag clear log feature pow <basic|all>
debug dataplane packet-diag clear log feature zip <basic|all>
debug dataplane packet-diag clear log feature misc <misc|all>
debug dataplane packet-diag clear log feature module <aho|dfa|scan|url|all>
debug dataplane packet-diag clear log feature flow <basic|ager|ha|np|arp|nd|receive|pred|sdwan|
sdwan_probe|fbo|all>
debug dataplane packet-diag clear log feature tunnel <flow|ager>
debug dataplane packet-diag clear log feature ctd <basic|sml|url|detector|urlcat|error|voip|
autogen|wif|all>
debug dataplane packet-diag clear log feature appid <agt|basic|policy|dfa|all>
debug dataplane packet-diag clear log feature http2 <basic|all>
debug dataplane packet-diag clear log feature all
debug dataplane packet-diag clear filter-marked-session id <1-4294967295>
debug dataplane packet-diag clear filter-marked-session all
debug dataplane packet-diag show setting
debug dataplane packet-diag show tag
debug dataplane packet-diag show filter-marked-session
debug dataplane netflow statistics
debug dataplane netflow clear
debug dataplane pool statistics
debug dataplane pool reset-max-usage
debug dataplane pool check hardware <0-255>
debug dataplane pool check software <0-255>
debug dataplane pool set on name vcheck fid
debug dataplane pool set on name vcheck sessid
debug dataplane pool set on name vcheck fid-sessid
debug dataplane pool set on name dthreat tid
debug dataplane pool set on name dthreat sessid
debug dataplane pool set on name dthreat tid-sessid
```

```
debug dataplane pool set on name fptcp sessid-cid
debug dataplane pool set sz-lockless disable
debug dataplane pool set sz-lockless enable
debug dataplane pool set openssl-cache disable
debug dataplane pool set openssl-cache enable
debug dataplane pool set openssl-leakiller disable
debug dataplane pool set openssl-leakiller enable
debug dataplane pool set off
debug dataplane pool show in-use top <1-100>
debug dataplane pool show history top <1-100>
debug dataplane pool show all top <1-100>
debug dataplane pool mem file <value> mode <value> start <value> size <1-2147483648>
debug dataplane pow status nonic
debug dataplane pow status nosleep
debug dataplane pow status niconly
debug dataplane pow performance all
debug dataplane memory status
debug dataplane memory dump bootmem enable log_disk_percent <1-50>
debug dataplane memory dump bootmem disable
debug dataplane memory dump bootmem show
debug dataplane memory dump bootmem delete file <value>
debug dataplane tcp state
debug dataplane pvst sys-id-ext-rewrite yes
debug dataplane pvst sys-id-ext-rewrite no
debug dataplane pvst sys-id-ext-rewrite show
debug dataplane internal pdt abort
debug dataplane internal pdt oct bgx config bgx <0-2>
debug dataplane internal pdt oct bgx status bgx <0-2>
debug dataplane internal pdt oct bootmem avail
debug dataplane internal pdt oct bootmem named
debug dataplane internal pdt oct csr rd reg <value>
debug dataplane internal pdt oct fpa show
debug dataplane internal pdt oct gmx stats port <0-31> clear <yes|no>
```



```
debug dataplane internal pdt oct pip stats port <0-31>
debug dataplane internal pdt oct pko debug port <0-31>
debug dataplane internal pdt oct pko stats port <0-31>
debug dataplane internal pdt oct pko stats all <yes|no>
debug dataplane internal pdt oct pki dump
debug dataplane internal pdt oct pki stats
debug dataplane internal pdt oct pki port_config port <0-31>
debug dataplane internal pdt oct pko3 dump
debug dataplane internal pdt oct pko3 stats
debug dataplane internal pdt oct ilk stats
debug dataplane internal pdt oct ilk link
debug dataplane internal pdt oct portmap show
debug dataplane internal pdt oct pow debug all <yes|no>
debug dataplane internal pdt pci list
debug dataplane internal pdt nac show-all
debug dataplane internal pdt nac aho dump instance <0-1> table <0-1>
debug dataplane internal pdt nac dfa dump instance <0-1> table <0-1>
debug dataplane internal pdt nac info instance <0-1>
debug dataplane internal pdt nac stats instance <0-1>
debug dataplane internal pdt ce10 show-all
debug dataplane internal pdt ce10 cip ififo instance <0-65535>
debug dataplane internal pdt ce10 cip ofifo instance <0-65535>
debug dataplane internal pdt ce10 cip mfifo instance <0-65535>
debug dataplane internal pdt ce10 cip match_cnt instance <0-65535>
debug dataplane internal pdt ce10 cip status instance <0-65535>
debug dataplane internal pdt ce10 cip act_ace_acc_stats instance <0-65535>
debug dataplane internal pdt ce10 cip opb_status instance <0-65535>
debug dataplane internal pdt ce10 cip pfifo instance <0-65535>
debug dataplane internal pdt ce10 cip dlp_afifo instance <0-65535>
debug dataplane internal pdt ce10 cip dlp_mfifo instance <0-65535>
debug dataplane internal pdt ce10 dfa ififo instance <0-65535>
debug dataplane internal pdt ce10 dfa ofifo instance <0-65535>
debug dataplane internal pdt ce10 dfa match_cnt instance <0-65535>
```

```

debug dataplane internal pdt ce10 dfa status instance <0-65535>
debug dataplane internal pdt ce10 dfa err_log instance <0-65535>
debug dataplane internal pdt ce10 dfa lookup_cnt instance <0-65535>
debug dataplane internal pdt ce10 dfa opb_status instance <0-65535>
debug dataplane internal pdt ce10 pbm status instance <0-65535>
debug dataplane internal pdt ce10 rd instance <0-65535> offset <0-131128> count <0-1024>
debug dataplane internal pdt ce10 show clocks instance <0-65535>
debug dataplane internal pdt ce10 show version instance <0-65535>
debug dataplane internal pdt ce10 show memory_status instance <0-65535>
debug dataplane internal pdt ce10 show intf_stat instance <0-65535>
debug dataplane internal pdt ce10 dxge info instance <0-65535>
debug dataplane internal pdt ce10 dxge stats instance <0-65535> clear <yes|no>
debug dataplane internal pdt ce10 dxaui info instance <0-65535>
debug dataplane internal pdt fe100 rd offset <0-131071> count <0-4096>
debug dataplane internal pdt fe100 mem rd target_mem <0-262144> index <0-65535> module
<0-65535> dcnt <0-65535> phy_mode <0-65535>
debug dataplane internal pdt fe100 umctl2_reg rd dcfg <0-65535> offset <0-65535>
debug dataplane internal pdt fe100 dphy_reg rd dcfg <0-65535> block <0-65535> inst
<0-65535> rank_pair <0-65535> offset <0-65535>
debug dataplane internal pdt fe100 show config
debug dataplane internal pdt fe100 show fc clear <yes|no>
debug dataplane internal pdt fe100 show intr
debug dataplane internal pdt fe100 show latency ipq
debug dataplane internal pdt fe100 show latency par
debug dataplane internal pdt fe100 show latency lif
debug dataplane internal pdt fe100 show latency acl
debug dataplane internal pdt fe100 show latency dfp
debug dataplane internal pdt fe100 show latency flu
debug dataplane internal pdt fe100 show latency lef
debug dataplane internal pdt fe100 show latency qmm
debug dataplane internal pdt fe100 show latency lag
debug dataplane internal pdt fe100 show latency sem
debug dataplane internal pdt fe100 show latency tlu
debug dataplane internal pdt fe100 show latency egr

```

```
debug dataplane internal pdt fe100 show latency fhm
debug dataplane internal pdt fe100 show latency fdt
debug dataplane internal pdt fe100 show latency fcm
debug dataplane internal pdt fe100 show latency tdi
debug dataplane internal pdt fe100 show latency all
debug dataplane internal pdt fe100 show stats port port <0-1> clear <yes|no>
debug dataplane internal pdt fe100 show stats tmi clear <yes|no>
debug dataplane internal pdt fe100 show stats nif clear <yes|no>
debug dataplane internal pdt fe100 show stats hif_err clear <yes|no>
debug dataplane internal pdt fe100 show stats ipq clear <yes|no>
debug dataplane internal pdt fe100 show stats par clear <yes|no>
debug dataplane internal pdt fe100 show stats lif clear <yes|no>
debug dataplane internal pdt fe100 show stats acl clear <yes|no>
debug dataplane internal pdt fe100 show stats dfp clear <yes|no>
debug dataplane internal pdt fe100 show stats flu clear <yes|no>
debug dataplane internal pdt fe100 show stats cfp clear <yes|no>
debug dataplane internal pdt fe100 show stats fwd clear <yes|no>
debug dataplane internal pdt fe100 show stats lef clear <yes|no>
debug dataplane internal pdt fe100 show stats qmm clear <yes|no>
debug dataplane internal pdt fe100 show stats lag clear <yes|no>
debug dataplane internal pdt fe100 show stats prw clear <yes|no>
debug dataplane internal pdt fe100 show stats sem clear <yes|no>
debug dataplane internal pdt fe100 show stats tlu clear <yes|no>
debug dataplane internal pdt fe100 show stats egr clear <yes|no>
debug dataplane internal pdt fe100 show stats fhm clear <yes|no>
debug dataplane internal pdt fe100 show stats fdt clear <yes|no>
debug dataplane internal pdt fe100 show stats fcm clear <yes|no>
debug dataplane internal pdt fe100 show stats tdi clear <yes|no>
debug dataplane internal pdt fe100 show stats all clear <yes|no>
debug dataplane internal pdt fe100 show status lif
debug dataplane internal pdt fe100 show status nif
debug dataplane internal pdt fe100 show status tmi
debug dataplane internal pdt fe100 show status ipq
```

```
debug dataplane internal pdt fe100 show status acl
debug dataplane internal pdt fe100 show status dfp
debug dataplane internal pdt fe100 show status flu
debug dataplane internal pdt fe100 show status cfp
debug dataplane internal pdt fe100 show status fwd
debug dataplane internal pdt fe100 show status lef
debug dataplane internal pdt fe100 show status qmm
debug dataplane internal pdt fe100 show status lag
debug dataplane internal pdt fe100 show status prw
debug dataplane internal pdt fe100 show status sem
debug dataplane internal pdt fe100 show status tlu
debug dataplane internal pdt fe100 show status egr
debug dataplane internal pdt fe100 show status fhm
debug dataplane internal pdt fe100 show status fdt
debug dataplane internal pdt fe100 show status fcm
debug dataplane internal pdt fe100 show status tdi
debug dataplane internal pdt fe100 show status all
debug dataplane internal pdt fe100 mymac dump
debug dataplane internal pdt fe100 portmap dump
debug dataplane internal pdt fe100 nexthop dump type <DIRECT|IPV4|IPV6|MAC>
debug dataplane internal pdt fe100 smac dump
debug dataplane internal pdt fe100 flow lookup saddr <value> daddr <value> sport <0-65535>
dport <0-65535> zone <0-65535> proto <0-255>
debug dataplane internal pdt fe100 flow dump offset <0-65535> count <0-65535> verbose
<yes|no> saddr <value> daddr <value> sport <0-65535> dport <0-65535> proto <0-255> zone
<0-65535> flowid <0-2147483647>
debug dataplane internal pdt fe100 flow histo
debug dataplane internal pdt fe100 flow ctrs
debug dataplane internal pdt fe100 flow tbl_size
debug dataplane internal pdt fe100 mac dump offset <0-65535> count <0-65535>
debug dataplane internal pdt fe100 route dump pt <IPV4|IPV6> offset <0-65535> count
<0-65535>
debug dataplane internal pdt fe100 qmap dump pt <0-3> offset <0-65535> count <0-65535>
debug dataplane internal pdt fe100 mtp dump
debug dataplane internal pdt fe100 spm dump
```

```
debug dataplane internal pdt fe100 nif check_port
debug dataplane internal pdt fe100 nif pkt_cap help
debug dataplane internal pdt fe100 nif pkt_cap display intf <0-4>
debug dataplane internal pdt fe100 nif pkt_cap disable intf <0-4>
debug dataplane internal pdt fe100 nif pkt_cap enable intf <0-4> cont <yes|no>
debug dataplane internal pdt fe100 tmi check_port
debug dataplane internal pdt fe100 tmi pkt_cap help
debug dataplane internal pdt fe100 tmi pkt_cap display intf <0-4>
debug dataplane internal pdt fe100 tmi pkt_cap disable intf <0-4>
debug dataplane internal pdt fe100 tmi pkt_cap enable intf <0-4> cont <yes|no>
debug dataplane internal pdt fe100 lif tbl_size
debug dataplane internal pdt fe100 lif access table <0-1>
debug dataplane internal pdt fe100 lif lookup table <0-1>
debug dataplane internal pdt fe100 lif dump count <0-65535> table <0-1> offset <0-65535>
debug dataplane internal pdt fe100 lif stats clear <yes|no>
debug dataplane internal pdt fe100 lef dump count <0-65535>
debug dataplane internal pdt fe100 parser dump
debug dataplane internal pdt fe100 acl dump count <0-65535> offset <0-65535>
debug dataplane internal pdt fe100 lag dump count <0-65535>
debug dataplane internal pdt fe100 predict dump count <0-65535> offset <0-65535>
debug dataplane internal pdt fe100 vsys dump count <0-65535> offset <0-65535>
debug dataplane internal pdt fe100 event fetch offset <0-65535>
debug dataplane internal pdt fe100 event dump count <0-65535> offset <0-65535>
debug dataplane internal pdt fe100 csr fifos
debug dataplane internal pdt fe100 csr intrs
debug dataplane internal pdt fe100 csr errs
debug dataplane internal pdt fe100 csr stats
debug dataplane internal pdt fe100 csr scan regex <value>
debug dataplane internal pdt fe100 csr rd addr <0-65535> name <value>
debug dataplane internal pdt fe100 debug check
debug dataplane internal pdt fe100 traffic info
debug dataplane internal pdt fe100 ddr eye intf <0-6> threshold <0-65535>
debug dataplane internal pdt bcm counters chip
```

```
debug dataplane internal pdt bcm counters port
debug dataplane internal pdt bcm counters graphical
debug dataplane internal pdt bcm lport shaper get lport <0-65535> fport <1-65535> type <0-6>
index <1-65535>
debug dataplane internal pdt bcm show flow flow_id <1-65535>
debug dataplane internal pdt bcm show queue non_empty
debug dataplane internal pdt bcm show queue full
debug dataplane internal pdt bcm show queue congestion
debug dataplane internal pdt bcm show congestion egress
debug dataplane internal pdt bcm show congestion ingress
debug dataplane internal pdt bcm show port name_mappings
debug dataplane internal pdt bcm show port status
debug dataplane internal vif route <0-255>
debug dataplane internal vif address
debug dataplane internal vif link
debug dataplane internal vif rule
debug dataplane internal vif vr
debug dataplane fpga set sw_aho <yes|no>
debug dataplane fpga set sw_dfa <yes|no>
debug dataplane fpga hw_aho offload-request-threshold <1-1024>
debug dataplane fpga hw_aho offload-bytes-threshold <0-9000>
debug dataplane fpga hw_dfa offload-request-threshold <1-1024>
debug dataplane fpga hw_dfa offload-bytes-threshold <0-9000>
debug dataplane fpga state
debug dataplane flow-control enable port <1-24>
debug dataplane flow-control disable port <1-24>
debug dataplane process comm on dump
debug dataplane process comm on debug
debug dataplane process comm on info
debug dataplane process comm on warn
debug dataplane process comm on error
debug dataplane process comm off
debug dataplane process comm show
debug dataplane process task on dump
```

debug dataplane process task on debug
debug dataplane process task on info
debug dataplane process task on warn
debug dataplane process task on error
debug dataplane process task off
debug dataplane process task show
debug dataplane process task dynamic-filter show
debug dataplane process task dynamic-filter off
debug dataplane process task dynamic-filter on
debug dataplane process mprelay on dump
debug dataplane process mprelay on debug
debug dataplane process mprelay on info
debug dataplane process mprelay on warn
debug dataplane process mprelay on error
debug dataplane process mprelay off
debug dataplane process mprelay show
debug dataplane process grpccd on dump
debug dataplane process grpccd on debug
debug dataplane process grpccd on info
debug dataplane process grpccd on warn
debug dataplane process grpccd on error
debug dataplane process grpccd off
debug dataplane process grpccd show
debug dataplane process ha-agent on dump
debug dataplane process ha-agent on debug
debug dataplane process ha-agent on info
debug dataplane process ha-agent on warn
debug dataplane process ha-agent on error
debug dataplane process ha-agent off
debug dataplane process ha-agent show
debug dataplane process dssd on dump
debug dataplane process dssd on debug
debug dataplane process dssd on info

```
debug dataplane process dssd on warn
debug dataplane process dssd on error
debug dataplane process dssd off
debug dataplane process dssd show
debug dataplane task-heartbeat on
debug dataplane task-heartbeat off
debug dataplane task-heartbeat show
debug dataplane monitor detail on
debug dataplane monitor detail off
debug dataplane monitor detail show
debug sslmgr on error
debug sslmgr on warn
debug sslmgr on info
debug sslmgr on debug
debug sslmgr on dump
debug sslmgr off
debug sslmgr show memory <summary|detail>
debug sslmgr show setting
debug sslmgr show ocsf-next-update-time
debug sslmgr show session-cache-stats
debug sslmgr statistics
debug sslmgr tar-all-crl
debug sslmgr save ocsf
debug sslmgr reset ssl-keys
debug sslmgr reset session-cache
debug sslmgr clear log
debug sslmgr set ocsf-next-update-time <1-10080>
debug sslmgr set disable-scep-auth-cookie <yes|no>
debug sslmgr set ocsf-validity-no-next-update <0-86400>
debug sslmgr set ocsf-validity-status-unavailable <0-86400>
debug sslmgr set crl-background-download on
debug sslmgr set crl-background-download off
debug sslmgr view crl <value>
```



```
debug sslmgr view obsp <value>|<all>
debug sslmgr view pending-crl-downloads
debug sslmgr delete crl <value>|<all>
debug sslmgr delete obsp <value>|<all>
debug sslmgr test gp-client-cert-check cert-file <value> cert-profile <value>
debug sslmgr test show-cert-check-jobs
debug log-receiver corr-mgr on <general|object|instance|sync|filter|back-query|log-match|msg|db|
action|summary|notification|all>
debug log-receiver corr-mgr off <general|object|instance|sync|filter|back-query|log-match|msg|db|
action|summary|notification|all>
debug log-receiver corr-mgr stats show object <value>
debug log-receiver corr-mgr stats clear object <value>
debug log-receiver corr-mgr show brief
debug log-receiver corr-mgr show object id <value>
debug log-receiver corr-mgr show object list
debug log-receiver corr-mgr show instance summary
debug log-receiver corr-mgr show instance search category <value> type <value> skip <value>
contains <value>
debug log-receiver corr-mgr show filter search object <value> name <value> start-index <value>
contains <value> skip <value>
debug log-receiver corr-mgr show failed serialize
debug log-receiver corr-mgr show failed deserialize
debug log-receiver corr-mgr show failed action
debug log-receiver corr-mgr show failed summary
debug log-receiver corr-mgr show back-query status <constructed|pending|working|executed>
debug log-receiver rawlog_fwd stats global show verbose
debug log-receiver rawlog_fwd stats global clear
debug log-receiver rawlog_fwd stats per-lc show
debug log-receiver rawlog_fwd stats per-lc clear
debug log-receiver rawlog_fwd on general on
debug log-receiver rawlog_fwd on buffer on
debug log-receiver rawlog_fwd on query on
debug log-receiver rawlog_fwd on hint on
debug log-receiver rawlog_fwd on migrate on
debug log-receiver rawlog_fwd on rawlog on
```

```

debug log-receiver rawlog_fwd off
debug log-receiver rawlog_fwd clear hints-all
debug log-receiver rawlog_fwd show hints
debug log-receiver rawlog_fwd show hints-stats
debug log-receiver rawlog_fwd show hints-max
debug log-receiver rawlog_fwd show hints-expiration-duration
debug log-receiver rawlog_fwd show connmgr verbose <yes|no>
debug log-receiver rawlog_fwd show evtmgr
debug log-receiver rawlog_fwd set hints-max <0-20000>
debug log-receiver rawlog_fwd set hints-expiration-duration <0-846000>
debug log-receiver rawlog_fwd_trial stats global show verbose
debug log-receiver rawlog_fwd_trial connmgr
debug log-receiver rawlog_fwd_trial evtmgr
debug log-receiver dag disable-dag-logging <yes|no|show>
debug log-receiver dag always-include-dag <yes|no|show>
debug log-receiver dag on <general|mapping|injection|interset>
debug log-receiver dag off <general|mapping|injection|interset>
debug log-receiver dag dump ip-dag ip <ip/netmask> vsysid <1-255> len <0-128>
debug log-receiver dag dump rule-dag rule_uuid <value>
debug log-receiver dag dump dag-id vsysid <0-255> dag-name <value>
debug log-receiver dag dump id-dag dag-idx <0-4096>
debug log-receiver dag show
debug log-receiver ip-cache clear node-data vsysid <1-1024> ip <ip/netmask> len <1-128> type
<0-1024>
debug log-receiver ip-cache clear vsys-data vsysid <1-1024>
debug log-receiver edl disable-edl-logging <yes|no|show>
debug log-receiver edl on <general|mapping|injection|interset>
debug log-receiver edl off <general|mapping|injection|interset>
debug log-receiver edl dump ip-edl ip <ip/netmask> vsysid <1-255> len <0-128>
debug log-receiver edl dump rule-edl rule_uuid <value>
debug log-receiver edl dump edl-id vsysid <0-255> edl-name <value>
debug log-receiver edl dump id-edl edl-idx <0-4096>
debug log-receiver edl show
debug log-receiver contmgr status

```

- debug log-receiver on normal
- debug log-receiver on debug
- debug log-receiver on dump
- debug log-receiver off
- debug log-receiver show
- debug log-receiver statistics
- debug log-receiver per-second-stats on threat
- debug log-receiver per-second-stats on all
- debug log-receiver per-second-stats on traffic
- debug log-receiver per-second-stats on decryption
- debug log-receiver per-second-stats on sctp
- debug log-receiver per-second-stats on gtp
- debug log-receiver per-second-stats on general
- debug log-receiver per-second-stats off
- debug log-receiver queue-stats
- debug log-receiver cache-stats
- debug log-receiver log-flow trace show
- debug log-receiver log-flow counters
- debug log-receiver memory info verbose
- debug log-receiver memory trim
- debug log-receiver memory per-second-stats on
- debug log-receiver memory per-second-stats off
- debug log-receiver log-forwarding status
- debug log-receiver log-forwarding per-second-stats on
- debug log-receiver log-forwarding per-second-stats off
- debug log-receiver log-forwarding-connections status
- debug log-receiver log-forwarding-connections per-second-stats on
- debug log-receiver log-forwarding-connections per-second-stats off
- debug log-receiver correlation stats show
- debug log-receiver correlation filters show
- debug log-receiver dpi dump on
- debug log-receiver dpi dump off
- debug log-receiver dpi dump clear

- debug log-receiver dpi dump format binary
- debug log-receiver dpi dump format base64
- debug log-receiver netflow statistics
- debug log-receiver netflow clear
- debug log-receiver fwd on
- debug log-receiver fwd off
- debug log-receiver fwd show
- debug log-receiver container-page timeout <1-86400>
- debug log-receiver container-page entries <4-65536>
- debug log-receiver container-page on
- debug log-receiver container-page off
- debug log-receiver telemetry-triggers on
- debug log-receiver telemetry-triggers off
- debug log-receiver telemetry-triggers counters
- debug wildfire dp-status
- debug wildfire transition-file-list
- debug wildfire content-info
- debug wildfire file-digest sha256 <value>
- debug wildfire reset dp-receiver
- debug wildfire reset file-cache
- debug wildfire reset log-cache channel <public|private>
- debug wildfire reset report-cache channel <public|private>
- debug wildfire reset forwarding channel <public|private>
- debug wildfire reset all
- debug wildfire upload-log show channel <public|private>
- debug wildfire upload-log log max-size <1-50>
- debug wildfire upload-log log extended-log <yes|no>
- debug wildfire upload-log log disable
- debug wildfire upload-log log enable
- debug wildfire upload-log log settings
- debug wildfire file-cache disable
- debug wildfire file-cache enable
- debug wildfire server-selection disable

```
debug wildfire server-selection enable
debug wildfire cloud-info channel <public|private> set cloud-type <wf-public|wf-app>
debug wildfire cloud-info channel <public|private> set add-file-type <value>
debug wildfire cloud-info channel <public|private> set delete-file-type <value>
debug wildfire batch-forward set disable <yes|no>
debug wildfire batch-forward set max-count <1-200>
debug wildfire batch-forward set timeout <60-240>
debug wildfire report-process channel <public|private> set last-report-id
<0-18446744073709551615>
debug vardata-receiver on <normal|debug|dump>
debug vardata-receiver set third-party <libcurl|all>
debug vardata-receiver set all
debug vardata-receiver unset third-party <libcurl|all>
debug vardata-receiver unset all
debug vardata-receiver off
debug vardata-receiver show
debug vardata-receiver statistics
debug rasmgr on normal
debug rasmgr on debug
debug rasmgr on dump
debug rasmgr off
debug rasmgr show gateway
debug rasmgr show user
debug rasmgr show satellite
debug rasmgr delay-nh-update reset
debug rasmgr delay-nh-update delay-0.1s
debug rasmgr delay-nh-update delay-0.5s
debug rasmgr delay-nh-update delay-1s
debug rasmgr delay-nh-update delay-2s
debug rasmgr statistics reset
debug rasmgr statistics all
debug rasmgr src-ip-trie gateway-name <value>
debug rasmgr ippool reset-all
debug rasmgr gateway
```

```
debug rasmgr gateway <name> on <normal|debug|dump>
debug rasmgr gateway <name> off
debug rasmgr gateway <name> reset
debug rasmgr user
debug rasmgr user <name> domain <value> computer <value> on <normal|debug|dump>
debug rasmgr user <name> domain <value> computer <value> off
debug rasmgr user <name> domain <value> computer <value> reset
debug rasmgr satellite
debug rasmgr satellite <name> on <normal|debug|dump>
debug rasmgr satellite <name> off
debug rasmgr satellite <name> reset
debug satd on normal
debug satd on debug
debug satd on dump
debug satd off
debug satd show
debug satd failed-refresh-timeout satellite name <value> portal-refresh-time <0-10> gateway-
refresh-time <0-10>
debug satd statistics reset
debug satd statistics all
debug satd dump certificate-pool global <active|alternate>
debug satd dump certificate-pool satellite <value>
debug ike global on <error|warn|normal|debug|dump>
debug ike global off
debug ike global show
debug ike gateway
debug ike gateway <name> on <error|warn|normal|debug|dump>
debug ike gateway <name> off
debug ike tunnel
debug ike tunnel <name> on <error|warn|normal|debug|dump>
debug ike tunnel <name> off
debug ike tunnel <name> clear
debug ike tunnel <name> stats
debug ike pcap show
```

```
debug ike pcap on
debug ike pcap off
debug ike pcap delete
debug ike pcap view
debug ike socket
debug ike stat isakmp counter <value>
debug ike stat ipsec counter <value>
debug ike stat crlocsp
debug ike stat queue
debug ike stat auth
debug ike stat sadb
debug ike stat v2i_sa
debug ike stat v2r_sa
debug ike stat v1i_sa
debug ike stat v1r_sa
debug ike stat natka
debug ike stat user
debug ike stat rcp
debug ike stat fqdn name <value>
debug ike stat fd
debug ike stat socket-list
debug ike stat sched filter gwid <1-4294967295> tid <1-65535> type <0-255> subtype <0-255>
debug keymgr global on <warn|normal|debug|dump>
debug keymgr global off
debug keymgr global show
debug keymgr tunnel id <1-65535> on <warn|normal|debug|dump>
debug keymgr tunnel id <1-65535> off
debug keymgr gateway id <1-4294967295> on <warn|normal|debug|dump>
debug keymgr gateway id <1-4294967295> off
debug keymgr queue
debug keymgr socket
debug keymgr list-sa
debug tund global on <warn|normal|debug|dump>
```

debug tund global off
debug tund global show
debug tund tunnel id <1-65535> on <warn|normal|debug|dump>
debug tund tunnel id <1-65535> off
debug tund tunnel id <1-65535> show
debug tund clear all
debug sdwand global on <warn|normal|debug|dump>
debug sdwand global off
debug sdwand global show
debug sdwand clear all
debug sdwand path-monitor enable tunnel-id <0-1000000>
debug sdwand path-monitor enable all
debug sdwand path-monitor disable tunnel-id <0-1000000>
debug sdwand path-monitor disable all
debug sdwand feature show
debug sdwand saas hub interval <1-255>
debug sdwand saas branch interval <1-255>
debug dhcpd global on error
debug dhcpd global on warn
debug dhcpd global on info
debug dhcpd global on debug
debug dhcpd global on dump
debug dhcpd global off
debug dhcpd global show
debug dhcpd pcap show
debug dhcpd pcap on virtualrouter <value>
debug dhcpd pcap off
debug dhcpd pcap delete
debug dhcpd pcap view
debug dhcpd show objects
debug dhcpd high-availability ignore-config-sync yes
debug dhcpd high-availability ignore-config-sync no
debug dhcpd downgrade convert-db

debug license open-offload on
debug license open-offload off
debug license show
debug l2ctrld global on error
debug l2ctrld global on warn
debug l2ctrld global on info
debug l2ctrld global on debug
debug l2ctrld global on dump
debug l2ctrld global off
debug l2ctrld global show
debug l2ctrld lldp on error
debug l2ctrld lldp on warn
debug l2ctrld lldp on info
debug l2ctrld lldp on debug
debug l2ctrld lldp on dump
debug l2ctrld lldp off
debug l2ctrld lldp show debug-level
debug l2ctrld lldp show stagger-limit
debug l2ctrld lldp pcap show
debug l2ctrld lldp pcap on virtualrouter <value>
debug l2ctrld lldp pcap off
debug l2ctrld lldp pcap delete
debug l2ctrld lldp pcap view
debug l2ctrld lldp delete neighbor <value>|<all>
debug l2ctrld lldp set stagger-limit <3-30>
debug l2ctrld lacp on error
debug l2ctrld lacp on warn
debug l2ctrld lacp on info
debug l2ctrld lacp on debug
debug l2ctrld lacp on dump
debug l2ctrld lacp off
debug l2ctrld lacp show debug-level
debug l2ctrld lacp show hold-time

```

debug l2ctrlld lacp set hold-time aggregate-ethernet <value>|<all> enable <yes|no> interval
<3-600>
debug ifmgr pstate port <value>
debug ifmgr dump-portdb
debug ifmgr dump-history port <value>
debug ifmgr dump-detail-history port <value>
debug routing mib <value>
debug routing list-mib
debug routing qtrace enable afi <ip|ip6|both> type <ospf|bgp|routed>
debug routing qtrace disable afi <ip|ip6> type <ospf|bgp|routed>
debug routing qtrace show afi <ip|ip6> type <ospf|bgp|routed>
debug routing qtrace flush-log
debug routing fqdn display virtual-router <value> type <dnsproxy|bgp|static|all>
debug routing dctrace show
debug routing dctrace ips enable <yes|no> clear <yes|no>
debug routing dctrace pd enable <yes|no> clear <yes|no>
debug routing dctrace both enable <yes|no> clear <yes|no>
debug routing fib flush
debug routing fib stats
debug routing fib clear virtual-router <value> hit-cnt
debug routing ifmon
debug routing mpf stats
debug routing mpf offload on
debug routing mpf offload off
debug routing global on error
debug routing global on info
debug routing global on debug
debug routing global on dump
debug routing global off
debug routing global show
debug routing pcap show
debug routing pcap bgp on virtualrouter <value>
debug routing pcap bgp off
debug routing pcap bgp delete

```

```
debug routing pcap bgp view
debug routing pcap igmp on virtualrouter <value>
debug routing pcap igmp off
debug routing pcap igmp delete
debug routing pcap igmp view
debug routing pcap ospf on virtualrouter <value>
debug routing pcap ospf off
debug routing pcap ospf delete
debug routing pcap ospf view
debug routing pcap ospfv3 on virtualrouter <value>
debug routing pcap ospfv3 off
debug routing pcap ospfv3 delete
debug routing pcap ospfv3 view
debug routing pcap pim on virtualrouter <value>
debug routing pcap pim off
debug routing pcap pim delete
debug routing pcap pim view
debug routing pcap rip on virtualrouter <value>
debug routing pcap rip off
debug routing pcap rip delete
debug routing pcap rip view
debug routing pcap all on virtualrouter <value>
debug routing pcap all off
debug routing pcap all delete
debug routing pcap all view
debug routing socket
debug routing dynamic-routes
debug routing restart
debug routing path-monitor id <0-1023>
debug bfd global on error
debug bfd global on info
debug bfd global on debug
debug bfd global on dump
```

```
debug bfd global off
debug bfd global show
debug ssl-vpn global on error
debug ssl-vpn global on info
debug ssl-vpn global on debug
debug ssl-vpn global on dump
debug ssl-vpn global off
debug ssl-vpn global show
debug ssl-vpn socket
debug ssl-vpn global-protect-portal name <value>
debug ssl-vpn global-protect-gateway name <value>
debug global-protect portal interval <60-86400>
debug global-protect portal on
debug global-protect portal off
debug global-protect portal show
debug global-protect portal clientlessvpn host-match-referer on
debug global-protect portal clientlessvpn host-match-referer off
debug global-protect portal clientlessvpn host-match-referer show
debug global-protect reset-sysd-health-stat event-details
debug global-protect reset-sysd-health-stat all
debug l3svc on <dump|debug|info|warn|error>
debug l3svc off
debug l3svc clear
debug l3svc reset user-cache <value>|<all>
debug l3svc show user-cache
debug l3svc pcap show
debug l3svc pcap on virtualrouter <value>
debug l3svc pcap off
debug l3svc pcap delete
debug l3svc pcap view
debug l3svc captive-portal kerberos-timeout interval <1-120>
debug l3svc captive-portal kerberos-timeout on
debug l3svc captive-portal kerberos-timeout off
```

```
debug l3svc captive-portal kerberos-timeout show
debug pppoe global on warn
debug pppoe global on info
debug pppoe global on debug
debug pppoe global on dump
debug pppoe global off
debug pppoe global show
debug pppoe pcap show
debug pppoe pcap on
debug pppoe pcap off
debug pppoe pcap delete
debug pppoe pcap view
debug pppoe show interface <value>|<all>
debug dnsproxyd global on warn
debug dnsproxyd global on info
debug dnsproxyd global on debug
debug dnsproxyd global on dump
debug dnsproxyd global off
debug dnsproxyd global show
debug dnsproxyd show objects
debug dnsproxyd show connections
debug dnsproxyd show batches
debug dnsproxyd show persistent
debug dnsproxyd show cache-statistics
debug dnsproxyd show sys-statistics
debug dnsproxyd clear sys-stats
debug dnsproxyd clear cache-statistics
debug dnsproxyd clear fqdn counters
debug dnsproxyd disable-per-vsys yes
debug dnsproxyd disable-per-vsys no
debug dnsproxyd fqdn dump brief
debug dnsproxyd fqdn counters delta
debug dnsproxyd dns-signature query bypass-cache <yes|no> fqdn <value> dp-source slot <1-8>
dp <0-7>
```

```

debug dnsproxyd dns-signature query_n bypass-cache <yes|no> fqdns
debug dnsproxyd dns-signature query_n bypass-cache <yes|no> fqdns [ <fqdns1> <fqdns2>... ]
debug dnsproxyd dns-signature query_n bypass-cache <yes|no> dp-source slot <1-8> dp <0-7>
debug dnsproxyd dns-signature response fqdn <value> ttl <1-30758400> gtid <0-4294967295>
verdict <0-100>|<0|1|2|4|5|9> match-subdomains <yes|no> threat-name <value>
debug dnsproxyd dns-signature response_n fqdns
debug dnsproxyd dns-signature response_n fqdns [ <fqdns1> <fqdns2>... ]
debug dnsproxyd dns-signature response_n ttls
debug dnsproxyd dns-signature response_n ttls [ <ttls1> <ttls2>... ]
debug dnsproxyd dns-signature response_n gtids
debug dnsproxyd dns-signature response_n gtids [ <gtids1> <gtids2>... ]
debug dnsproxyd dns-signature response_n verdicts
debug dnsproxyd dns-signature response_n verdicts [ <verdicts1> <verdicts2>... ]
debug dnsproxyd dns-signature response_n match-subdomains
debug dnsproxyd dns-signature response_n match-subdomains [ <match-subdomains1> <match-
subdomains2>... ]
debug dnsproxyd dns-signature response_n threat-names
debug dnsproxyd dns-signature response_n threat-names [ <threat-names1> <threat-names2>... ]
debug dnsproxyd dns-signature allow-list download
debug dnsproxyd dns-signature info
debug dnsproxyd dns-signature cache fqdn <value>
debug dnsproxyd dns-signature threat-info fqdn <value>
debug dnsproxyd dns-signature counters
debug dnsproxyd dns-signature ut threat-info-api api-query-domain fqdn <value>
debug cryptod global on warn
debug cryptod global on info
debug cryptod global on debug
debug cryptod global on dump
debug cryptod global off
debug cryptod global show
debug cryptod show counters
debug cryptod show hsm-thread index <0-19>
debug cryptod show hsm-thread all
debug cryptod clear hsm-key-cache

```

```

debug vm-monitor reset source-name <value>|<all>
debug vm-monitor clear source-name <value>|<all>
debug user-id on <error|warn|info|debug|dump>
debug user-id log-ip-user-mapping <yes|no>
debug user-id log-ip-tag-mapping <yes|no>
debug user-id log-user-tag-mapping <yes|no>
debug user-id disable-email-cache <yes|no>
debug user-id disable-hip-ha <yes|no>
debug user-id set agent <basic|conn|group|sslvpn|detail|tsa|all>
debug user-id set userid <basic|detail|servermonitor|probing|xmlapi|service|vmmonitor|mdm|
syslog|l3svc|groupsync|connmgr|regip|all>
debug user-id set ldap <basic|detail|all>
debug user-id set base <config|ha|id|all>
debug user-id set hip <basic|detail|ha|all>
debug user-id set third-party <libcurl|all>
debug user-id set misc <misc|all>
debug user-id set all
debug user-id unset agent <basic|conn|group|sslvpn|detail|tsa|all>
debug user-id unset userid <basic|detail|servermonitor|probing|xmlapi|service|vmmonitor|mdm|
syslog|l3svc|groupsync|connmgr|regip|all>
debug user-id unset ldap <basic|detail|all>
debug user-id unset base <config|ha|id|all>
debug user-id unset hip <basic|detail|ha|all>
debug user-id unset third-party <libcurl|all>
debug user-id unset misc <misc|all>
debug user-id unset all
debug user-id off
debug user-id get
debug user-id clear group <value>|<all>
debug user-id clear gm-srv-query <value>|<all>
debug user-id clear log
debug user-id clear ip-port-user-dp ip <ip/netmask>
debug user-id clear domain-map
debug user-id clear email-cache

```

```
debug user-id query-unknown-ip on
debug user-id query-unknown-ip off
debug user-id wmic-dynamic-range on
debug user-id wmic-dynamic-range off
debug user-id disable-max-initial-wmi on
debug user-id disable-max-initial-wmi off
debug user-id agent-getall-rate rate <0-100>
debug user-id agent-getall-rate show
debug user-id agent
debug user-id agent <name> on <error|warn|info|debug|verbose>
debug user-id agent <name> receive <yes|no>
debug user-id agent <name> off
debug user-id agent <name> clear group-mapping <value>|<all>
debug user-id agent <name> clear log
debug user-id agent <name> status
debug user-id agent <name> group-mapping
debug user-id agent <name> group-mapping <name> group name <value>
debug user-id agent <name> group-mapping <name> group list
debug user-id dscd on <error|warn|info|debug|dump>
debug user-id dscd off
debug user-id refresh group-mapping group-mapping-name <value>
debug user-id refresh group-mapping all
debug user-id refresh group-mapping xmlapi-groups
debug user-id refresh user-id agent <value>|<all> ip <ip/netmask>
debug user-id refresh dp-uid-gid
debug user-id refresh cloud-identity-engine name <value>
debug user-id refresh cloud-identity-engine config-data
debug user-id refresh cloud-identity-engine all
debug user-id reset group-mapping <value>|<all>
debug user-id reset credential-filter <value>|<all>
debug user-id reset user-id-agent <value>|<all>
debug user-id reset ts-agent <value>|<all>
debug user-id reset server-monitor <value>|<all>
```



```
debug user-id reset global-protect-mdm <value>|<all>
debug user-id reset user-id-syslog-parse <value>|<all>
debug user-id reset cloud-identity-engine name <value>
debug user-id reset cloud-identity-engine all
debug user-id reset captive-portal ip-address <ip/netmask>
debug user-id reset user-id-manager type all
debug user-id reset user-id-manager type user
debug user-id reset user-id-manager type user-group
debug user-id reset user-id-manager type computer
debug user-id reset com statistics
debug user-id reset conn-mgr statistics
debug user-id reset ip-user-mapping-stats
debug user-id save hip-profile-database
debug user-id test agentless
debug user-id test sso-login ip-address <ip/netmask> user <value>
debug user-id test cp-login ip-address <ip/netmask> user <value> factor-id-1 <1-65535> factor-
timestamp-1 <1-4294967295> factor-id-2 <1-65535> factor-timestamp-2 <1-4294967295>
factor-id-3 <1-65535> factor-timestamp-3 <1-4294967295> traceroute <yes|no>
debug user-id test cp-logout ip-address <ip/netmask> user <value>
debug user-id test hip-update ip <ip/netmask>
debug user-id test hip-profile-database size <1-65536>
debug user-id test hip-report user <value> ip <ip/netmask> computer <value> copy <yes|no>
debug user-id test probing
debug user-id test idmgr-change-max type user-group new-max-id <1-4294967295>
debug user-id test idmgr-restore-default-max type user-group
debug user-id dump memory <summary|detail>
debug user-id dump hip-report user <value> ip <ip/netmask> computer <value>
debug user-id dump hip-profile-database ipmapping
debug user-id dump hip-profile-database statistics
debug user-id dump hip-profile-database entry start-from <1-131072> ip <ip/netmask> show-
logout <yes|no>
debug user-id dump hip-mdm-cache start-from <1-131072> mobile-id <value>
debug user-id dump ts-agent config
debug user-id dump ts-agent user-ids
```

```
debug user-id dump vm-monitored-objects ref-id <value>
debug user-id dump vm-monitored-objects source-name <value>
debug user-id dump vm-monitored-objects type <vm|host|resource-pool|data-center|folder|
cluster|compute-resource|root>
debug user-id dump vm-monitored-objects all
debug user-id dump domain-id-table domain name <value>
debug user-id dump domain-id-table domain all
debug user-id dump uid-2-primeuid user id <1-4294967295>
debug user-id dump uid-2-primeuid user all
debug user-id dump userPrefix-2-uid user name <value>
debug user-id dump userPrefix-2-uid user all
debug user-id dump uid-2-metadata user id <1-4294967295>
debug user-id dump uid-2-metadata user all
debug user-id dump idmgr high-availability state
debug user-id dump idmgr redis type user id <1-4294967295>
debug user-id dump idmgr redis type user name <value>
debug user-id dump idmgr redis type user all
debug user-id dump idmgr redis type user-group id <1-4294967295>
debug user-id dump idmgr redis type user-group name <value>
debug user-id dump idmgr redis type user-group all
debug user-id dump idmgr redis type computer id <1-4294967295>
debug user-id dump idmgr redis type computer name <value>
debug user-id dump idmgr redis type computer all
debug user-id dump idmgr type user id <1-4294967295>
debug user-id dump idmgr type user name <value>
debug user-id dump idmgr type user all
debug user-id dump idmgr type user-group id <1-4294967295>
debug user-id dump idmgr type user-group name <value>
debug user-id dump idmgr type user-group all
debug user-id dump idmgr type computer id <1-4294967295>
debug user-id dump idmgr type computer name <value>
debug user-id dump idmgr type computer all
debug user-id dump objects-in-policy
debug user-id dump log-stats
```

```
debug user-id dump uid-req-stats
debug user-id dump ip-user-mapping-stats
debug user-id dump l3svc-stats
debug user-id dump domain-map
debug user-id dump ha
debug user-id dump state
debug user-id dump com statistics
debug user-id dump probing-stats
debug user-id dump unresolved-group-id
debug user-id dump xmlapi-stats
debug user-id dump conn-mgr statistics
debug user-id dump edir-user user <value>
debug user-id dump edir-user all
debug user-id dump email-cache email <value>
debug user-id dump email-cache all
debug user-id kerberos purge server-monitor <value>|<all>
debug user-id kerberos list server-monitor <value>|<all>
debug user-id kerberos test server-name <value>
debug user-id kerberos test default
debug object registered-ip clear all source-name <value>|<all>XMLAPI|AGENT>
debug object registered-ip test download-mode <incremental|full>
debug object registered-ip test download
debug object registered-ip test register tag <value> spid <value> ip <ip/netmask>
debug object registered-ip test register tag <value> spid <value> iprange <ip-range>
debug object registered-ip test unregister tag <value> ip <ip/netmask>
debug object registered-ip test unregister tag <value> iprange <ip-range>
debug object registered-ip show tag-source tag <value>|<all> ip <ip/netmask>
debug object registered-ip show tag-source tag <value>|<all> iprange <ip-range>
debug object registered-user clear all tag-source <all>XMLAPI|AGENT>
debug object registered-user test register user <value> tag <value> timeout <0-2592000>
debug object registered-user test unregister user <value> tag <value>
debug object registered-user show tag-source user <value> tag <value>|<all>
debug management-interface dhcp client debug on
```

```

debug management-interface dhcp client debug off
debug management-interface dhcp client log
debug proxy fast-session-delete enable yes
debug proxy fast-session-delete enable no
debug evtmgr ms syslog-enabled <yes|no>
debug evtmgr ms show client-id <1-4294967295>
debug evtmgr ms show basic
debug evtmgr ms show detail
debug evtmgr ms debug-log clfy
debug evtmgr ms debug-log client
debug evtmgr ms debug-log msg all
debug evtmgr ms debug-log msg filtered
debug evtmgr ms debug-log multicast
debug evtmgr ms msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3>
mid <0-65535> token <0-65535> im-type <0-65535> len min <0-4294967295> max
<0-4294967295>
debug evtmgr ms msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3> mid
<0-65535> token <0-65535> im-type <0-65535> content starts-with <value> contains <value>
debug evtmgr configd show client-id <1-4294967295>
debug evtmgr configd show basic
debug evtmgr configd show detail
debug evtmgr configd debug-log clfy
debug evtmgr configd debug-log client
debug evtmgr configd debug-log msg all
debug evtmgr configd debug-log msg filtered
debug evtmgr configd debug-log multicast
debug evtmgr configd msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3>
mid <0-65535> token <0-65535> im-type <0-65535> len min <0-4294967295> max
<0-4294967295>
debug evtmgr configd msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3> mid
<0-65535> token <0-65535> im-type <0-65535> content starts-with <value> contains <value>
debug evtmgr reportd show client-id <1-4294967295>
debug evtmgr reportd show basic
debug evtmgr reportd show detail
debug evtmgr reportd debug-log clfy

```

```
debug evtmgr reportd debug-log client
debug evtmgr reportd debug-log msg all
debug evtmgr reportd debug-log msg filtered
debug evtmgr reportd debug-log multicast
debug evtmgr reportd msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3>
mid <0-65535> token <0-65535> im-type <0-65535> len min <0-4294967295> max
<0-4294967295>
debug evtmgr reportd msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3> mid
<0-65535> token <0-65535> im-type <0-65535> content starts-with <value> contains <value>
debug evtmgr logrcvr show client-id <1-4294967295>
debug evtmgr logrcvr show basic
debug evtmgr logrcvr show detail
debug evtmgr logrcvr debug-log clfy
debug evtmgr logrcvr debug-log client
debug evtmgr logrcvr debug-log msg all
debug evtmgr logrcvr debug-log msg filtered
debug evtmgr logrcvr debug-log multicast
debug evtmgr logrcvr msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3>
mid <0-65535> token <0-65535> im-type <0-65535> len min <0-4294967295> max
<0-4294967295>
debug evtmgr logrcvr msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3> mid
<0-65535> token <0-65535> im-type <0-65535> content starts-with <value> contains <value>
debug evtmgr cord show client-id <1-4294967295>
debug evtmgr cord show basic
debug evtmgr cord show detail
debug evtmgr cord debug-log clfy
debug evtmgr cord debug-log client
debug evtmgr cord debug-log msg all
debug evtmgr cord debug-log msg filtered
debug evtmgr cord debug-log multicast
debug evtmgr cord msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3>
mid <0-65535> token <0-65535> im-type <0-65535> len min <0-4294967295> max
<0-4294967295>
debug evtmgr cord msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3> mid
<0-65535> token <0-65535> im-type <0-65535> content starts-with <value> contains <value>
debug evtmgr useridd show client-id <1-4294967295>
```

```
debug evtmgr useridd show basic
debug evtmgr useridd show detail
debug evtmgr useridd debug-log clfy
debug evtmgr useridd debug-log client
debug evtmgr useridd debug-log msg all
debug evtmgr useridd debug-log msg filtered
debug evtmgr useridd debug-log multicast
debug evtmgr useridd msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3>
mid <0-65535> token <0-65535> im-type <0-65535> len min <0-4294967295> max
<0-4294967295>
debug evtmgr useridd msg-filter msg-class <0-5> ctype <0-7> dtype <0-7> mtype <0-3> mid
<0-65535> token <0-65535> im-type <0-65535> content starts-with <value> contains <value>
debug techsupport duts add-search-dir <value>
debug techsupport duts set-byte-threshold <0-1073741823>
debug techsupport duts on
debug techsupport duts off
debug techsupport duts reset-config
debug techsupport duts run
debug management-websrvr backend on <error|info|debug|dump>
debug management-websrvr backend off
debug management-websrvr backend show
debug iot memory <summary|detail>
debug iot global on error
debug iot global on warn
debug iot global on info
debug iot global on debug
debug iot global on dump
debug iot global off
debug iot global show
debug iot global counter
debug iot disable-device-id yes
debug iot disable-device-id no
debug iot clear-all type <device|host|cookie>
debug iot icd on <error|warn|info|debug|dump>
```

```
debug iot icd verdict-server <value>
debug iot icd key-value <value>
debug iot icd reset key-value <value>
debug iot icd reset connection
debug iot icd reset cookie
debug iot icd trigger-app-match
debug iot eal on <error|warn|info|debug|dump>
debug iot eal cortex-server <value>
debug iot eal key-value <value>
debug iot eal sending-format json
debug iot eal sending-format protobuf
debug iot eal reset aggregation-num <value>
debug iot eal reset aggregation-non-ack <value>
debug iot eal reset key-value <value>
debug iot eal reset counter <all|raw-dpi|parser|deliver|protocol|response-time>
debug iot eal reset connection
debug iot eal test load-dpi <value>
debug iot eal track disabled
debug iot eal track raw-dpi
debug iot eal track eal-protobuf
debug iot eal track eal-json
debug iot eal track filter show
debug iot eal track filter add subtype <value> protocol <value> src-ip <value> dest-ip <value> src-
port <value> dest-port <value>
debug iot eal track filter clear
debug iot eal validate-dpi yes
debug iot eal validate-dpi no
debug cloud-appid ace-server <value>
debug cloud-appid keep-task-file <yes|no>
debug cloud-appid reset connection-to-cloud
debug cloud-appid reset cloud-app-data
debug cloud-appid reset signature-dp option <mp-only>
debug cloud-appid reset task-record
debug cloud-appid reset pending-request-dp
```

```
debug cloud-appid reset force-memory-gc
debug cloud-appid reset force-data-integrity-check
debug cloud-appid reset force-cad-rebuild
debug cloud-appid reset reload-cloud-data
debug cloud-appid unknown-signature-query appid <value>
debug cloud-appid unknown-signature-query app-name <value>
debug cloud-appid unknown-signature-query filter-sig-id <value>
debug cloud-appid delete-signature-data appid <value>
debug cloud-appid delete-signature-data app-name <value>
debug cloud-appid delete-signature-data filter-signature-id <value>
debug cloud-appid cloud-manual-pull application <value>
debug cloud-appid cloud-manual-pull signature-appid <value>
debug cloud-appid cloud-manual-pull signature-id <value>
debug cloud-appid cloud-manual-pull cookie-base64 <value>
debug cloud-appid cloud-manual-pull cookie-base64-and-store <value>
debug cloud-appid cloud-manual-pull generate-cookie <value>
debug cloud-appid cloud-manual-pull check-cloud-app-data
debug cloud-appid cloud-manual-pull check-cloud-signatures
debug cloud-appid set config <value>
debug cloud-appid dump config
debug distributord on error
debug distributord on warn
debug distributord on info
debug distributord on debug
debug distributord on dump
debug distributord off
debug distributord show
debug distributord reset redistribution-agent <value>|<all>
debug contentd status
debug snmpd on debug
debug snmpd off
debug snmpd clear_persistence entity
debug snmpd clear_persistence interface
```



```

debug external-list delete-file type ip name <value>
debug external-list delete-file type domain name <value>
debug external-list delete-file type url name <value>
debug external-list delete-file all
set data-access-password <value>
set panorama <on|off>
set audit-comment xpath <value> comment <value>
set management-server logging <on|off|import-start|import-end>
set authentication saml_signature_digest_algorithm <sha1|sha224|sha256|sha384|sha512>
set authentication radius-vsa-on <client-source-ip|client-os|client-hostname|client-gp-version|
user-domain>
set authentication radius-vsa-off <client-source-ip|client-os|client-hostname|client-gp-version|
user-domain>
set auth strict-username-check yes
set auth strict-username-check no
set password
set ssh-authentication public-key <value> public-key <value>
set ssh service-restart mgmt
set ssh service-restart ha
set cli config-output-format <default|xml|set|json>
set cli pager <on|off>
set cli confirmation-prompt <on|off>
set cli scripting-mode <on|off>
set cli op-command-xml-output <on|off>
set cli timeout idle <1-1440>|<never>
set cli hide-ip value <yes|no>
set cli hide-user value <yes|no>
set cli terminal type <aaa|aaa+dec|aaa+rv|aaa+unk|aaa-18|aaa-18-rv|aaa-20|aaa-22|aaa-24|
aaa-24-rv|aaa-26|aaa-28|aaa-30-ctxt|aaa-30-rv|aaa-30-rv-ctxt|aaa-30-s|aaa-30-s-rv|aaa-36|
aaa-36-rv|aaa-40|aaa-40-rv|aaa-48|aaa-48-rv|aaa-60|aaa-60-dec-rv|aaa-60-rv|aaa-60-s|aaa-60-s-
rv|aaa-db|aaa-rv-unk|aaa-s-ctxt|aaa-s-rv-ctxt|aas1901|abm80|abm85|abm85e|abm85h|abm85h-
old|act4|act5|addrinfo|adds980|adm+sgr|adm11|adm1178|adm12|adm1a|adm2|adm20|adm21|
adm22|adm3|adm31|adm31-old|adm36|adm3a|adm3a+|adm42|adm42-ns|adm5|aepro|aixterm|
aixterm-m|aixterm-m-old|aj510|aj830|alto-h19|altos2|altos3|altos4|altos7|altos7pc|amiga|
amiga-8bit|amiga-h|amiga-vnc|ampex175|ampex175-b|ampex210|ampex219|ampex219w|
ampex232|ampex232w|ampex80|annarbor4080|ansi|ansi+arrows|ansi+csr|ansi+cup|ansi+erase|
ansi+idc|ansi+idl|ansi+idl1|ansi+inittabs|ansi+local|ansi+local1|ansi+pp|ansi+rca|ansi+rep|ansi

```

+sgr|ansi+sgrbold|ansi+sgrdim|ansi+sgrso|ansi+sgrull|ansi+tabs|ansi-color-2-emx|ansi-color-3-emx|ansi-emx|ansi-generic|ansi-m|ansi-mini|ansi-mr|ansi-mtabs|ansi-nt|ansi.sys|ansi.sys-old|ansi.sysk|ansi77|apollo|apollo_15P|apollo_19L|apollo_color|apple-80|apple-ae|apple-soroc|apple-uterm|apple-uterm-vb|apple-videx|apple-videx2|apple-videx3|apple-vm80|apple2e|apple2e-p|apple80p|applell|applellgs|arm100|arm100-w|atari|att2300|att2350|att4410|att4410v1-w|att4415|att4415+n|att4415-nl|att4415-rv|att4415-rv-nl|att4415-w|att4415-w-nl|att4415-w-rv|att4415-w-rv-nl|att4418|att4418-w|att4420|att4424|att4424-1|att4424m|att4426|att500|att505|att505-24|att510a|att510d|att5310|att5410-w|att5410v1|att5420_2|att5420_2-w|att5425|att5425-nl|att5425-w|att5620|att5620-1|att5620-24|att5620-34|att5620-s|att605|att605-pc|att605-w|att610|att610-103k|att610-103k-w|att610-w|att615|att615-103k|att615-103k-w|att615-w|att620|att620-103k|att620-103k-w|att620-w|att630|att630-24|att6386|att700|att730|att730-24|att730-41|att7300|att730r|att730r-24|att730r-41|avatar|avatar0|avatar0+|avt|avt+s|avt-ns|avt-rv|avt-rv-ns|avt-w|avt-w-ns|avt-w-rv|avt-w-rv-ns|aws|awsc|bantam|basis|beacon|beehive|beehive3|beehive4|beterm|bg1.25|bg1.25nv|bg1.25rv|bg2.0|bg2.0rv|bitgraph|blit|bobcat|bq300|bq300-8|bq300-8-pc|bq300-8-pc-rv|bq300-8-pc-w|bq300-8-pc-w-rv|bq300-8rv|bq300-8w|bq300-pc|bq300-pc-rv|bq300-pc-w|bq300-pc-w-rv|bq300-rv|bq300-w|bq300-w-8rv|bq300-w-rv|bsdos-pc|bsdos-pc-m|bsdos-pc-nobold|bsdos-ppc|bsdos-sparc|c100|c100-rv|c108|c108-4p|c108-rv|c108-rv-4p|c108-w|ca22851|cad68-2|cad68-3|cbblit|cbunix|cci|cdc456|cdc721|cdc721-esc|cdc721ll|cdc752|cdc756|cg7900|cit101|cit101e|cit101e-132|cit101e-n|cit101e-n132|cit101e-rv|cit500|cit80|citoh|citoh-6lp|citoh-8lp|citoh-comp|citoh-elite|citoh-pica|citoh-prop|coco3|color_xterm|commodore|cons25|cons25-m|cons25l1|cons25l1-m|cons25r|cons25r-m|cons25w|cons30|cons30-m|cons43|cons43-m|cons50|cons50-m|cons50l1|cons50l1-m|cons50r|cons50r-m|cons60|cons60-m|cons60l1|cons60l1-m|cons60r|cons60r-m|contel300|contel301|cops10|crt|cs10|cs10-w|ct8500|ctrm|cyb110|cyb83|cygwin|cygwinB19|cygwinDBG|d132|d200|d210|d210-dg|d211|d211-7b|d211-dg|d216-dg|d216-unix|d216-unix-25|d217-unix|d217-unix-25|d220|d220-7b|d220-dg|d230c|d230c-dg|d400|d410|d410-7b|d410-7b-w|d410-dg|d410-w|d412-dg|d412-unix|d412-unix-25|d412-unix-s|d412-unix-sr|d412-unix-w|d413-unix|d413-unix-25|d413-unix-s|d413-unix-sr|d413-unix-w|d414-unix|d414-unix-25|d414-unix-s|d414-unix-sr|d414-unix-w|d430c-dg|d430c-dg-ccc|d430c-unix|d430c-unix-25|d430c-unix-25-ccc|d430c-unix-ccc|d430c-unix-s|d430c-unix-s-ccc|d430c-unix-sr|d430c-unix-sr-ccc|d430c-unix-w|d430c-unix-w-ccc|d470c|d470c-7b|d470c-dg|d555|d555-7b|d555-7b-w|d555-dg|d555-w|d577|d577-7b|d577-7b-w|d577-dg|d577-w|d578|d578-7b|d800|ddr|dec-vt100|dec-vt220|decansi|delta|dg+ccc|dg+color|dg+color8|dg+fixed|dg-generic|dg200|dg210|dg211|dg450|dg460-ansi|dg6053|dg6053-old|dgkeys+11|dgkeys+15|dgkeys+7b|dgkeys+8b|dgmode+color|dgmode+color8|dgunix+ccc|dgunix+fixed|diablo1620|diablo1620-m8|diablo1640|diablo1640-lm|diablo1740-lm|digilog|djgpp|djgpp203|djgpp204|dku7003|dku7003-dumb|dku7102-old|dku7202|dm1520|dm2500|dm3025|dm3045|dm80|dm80w|dmchat|dmterm|dp3360|dp8242|dt100|dt100w|dt110|dt80-sas|dtc300s|dtc382|dtterm|dumb|dw1|dw2|dw3|dw4|dwk|ecma+color|ecma+sgr|elks|elks-ansi|elks-glasstty|elks-vt52|emu|emu-220|emx-base|env230|ep40|ep48|ergo4000|esprit|esprit-am|Eterm|eterm|ex155|excel62|excel62-rv|excel62-w|f100|f100-rv|f110|f110-14|f110-14w|f110-w|f1720|f200|f200-w|f200vi|f200vi-w|falco|falco-p|fos|fox|gator|gator-52|gator-52t|gator-t|gigi|glasstty|gnome|gnome-rh62|gnome-rh72|gnome-rh80|gnome-rh90|go140|go140w|go225|graphos|graphos-30|gs6300|gsi|gt40|gt42|guru|guru+rv|guru+s|guru-24|guru-44|guru-44-s|guru-76|guru-76-lp|guru-76-s|guru-76-w|guru-76-w-s|guru-76-wm|guru-nctxt|guru-rv|guru-s|h19|h19-a|h19-bs|h19-g|h19-u|h19-us|h19k|ha8675|ha8686|hazel|hds200|hft-c|hft-c-old|hft-old|hirez100|hirez100-w|hmod1|hp+arrows|hp+color|hp+labels|hp+pfk+arrows|hp+pfk+cr|hp+pfk-cr|hp+printer|hp110|hp150|hp2|hp236|hp2382a|hp2392|hp2397a|hp2621|hp2621-48|hp2621-a|hp2621-ba|hp2621-fl|hp2621-k45|hp2621-nl|hp2621-nt|hp2621b|hp2621b-kx|hp2621b-kx-p|hp2621b-p|hp2621p|hp2621p-a|hp2622|hp2623|hp2624|hp2624-10p|hp2624b-10p-p|hp2624b-p|hp2626|hp2626-12|hp2626-12-s|hp2626-12x40|hp2626-ns|hp2626-s|hp2626-x40|hp2627a|

hp2627a-rev|hp2627c|hp262x|hp2640a|hp2640b|hp2641a|hp2645|hp2648|hp300h|hp700-wy|hp70092|hp9837|hp9845|hp98550|hpansi|hpx|hpgeneric|hpsub|hpterm|hurd|h1000|h1420|h1500|h1510|h1520|h1520-noesc|h1552|h1552-rv|h2000|i100|i400|ibcs2|ibm+16color|ibm+color|ibm-apl|ibm-pc|ibm-system1|ibm3101|ibm3151|ibm3161|ibm3161-C|ibm3162|ibm3164|ibm327x|ibm5081|ibm5081-c|ibm5151|ibm5154|ibm6153|ibm6153-40|ibm6153-90|ibm6154|ibm6155|ibm8503|ibm8512|ibm8514|ibm8514-c|ibmaed|ibmapa8c|ibmapa8c-c|ibmega|ibmega-c|ibmmono|ibmpc|ibmpc3|ibmpcx|ibmvga|ibmvga-c|icl6404|icl6404-w|ifmr|ims-ansi|ims950|ims950-b|ims950-rv|infoton|interix|interix-nt|intertube|intertube2|intext|intext2|iris-ansi|iris-ansi-apl|iris-color|jaixterm|jaixterm-m|kaypro|kermit|kermit-am|klone+acs|klone+color|klone+koi8acs|klone+sgr|klone+sgr-dumb|konsole|konsole-16color|konsole-base|konsole-linux|konsole-vt100|konsole-vt420pc|konsole-xf3x|konsole-xf4x|kt7|kt7ix|kterm|kterm-color|kvt|lft|linux|linux-basic|linux-c|linux-c-nc|linux-koi8|linux-koi8r|linux-lat|linux-m|linux-nic|linux-vt|lisa|lisaterm|lisaterm-w|liswb|ln03|ln03-w|lpr|luna|m2-nam|mac|mac-w|mach|mach-bold|mach-color|mai|masscomp|masscomp1|masscomp2|megatek|memhp|mgr|mgr-linux|mgr-sun|mgterm|microb|mime|mime-fb|mime-hb|mime2a|mime2a-s|mime314|mime3a|mime3ax|minitel1|minitel1b|minitel1b-80|minix|minix-old|minix-old-am|mlterm|mm340|modgraph|modgraph2|modgraph48|mono-emx|morphos|ms-vt-utf8|ms-vt100|ms-vt100+|ms-vt100-color|msk227|msk22714|msk227am|mt4520-rv|mt70|mterm|mterm-ansi|MtxOrb|MtxOrb162|MtxOrb204|mvterm|nansi.sys|nansi.sysk|ncr160vppp|ncr160vpwpp|ncr160vt100an|ncr160vt100pp|ncr160vt100wan|ncr160vt100wpp|ncr160vt200an|ncr160vt200pp|ncr160vt200wan|ncr160vt200wpp|ncr160vt300an|ncr160vt300pp|ncr160vt300wan|ncr160vt300wpp|ncr160wy50+pp|ncr160wy50+wpp|ncr160wy60pp|ncr160wy60wpp|ncr260intan|ncr260intpp|ncr260intwan|ncr260intwpp|ncr260vppp|ncr260vpwpp|ncr260vt100an|ncr260vt100pp|ncr260vt100wan|ncr260vt100wpp|ncr260vt200an|ncr260vt200pp|ncr260vt200wan|ncr260vt200wpp|ncr260vt300an|ncr260vt300pp|ncr260vt300wan|NCR260VT300WPP|ncr260wy325pp|ncr260wy325wpp|ncr260wy350pp|ncr260wy350wpp|ncr260wy50+pp|ncr260wy50+wpp|ncr260wy60pp|ncr260wy60wpp|ncr7900i|ncr7900iv|ncr7901|ncrvt100an|ncrvt100wan|ncsa|ncsa-m|ncsa-m-ns|ncsa-ns|ncsa-vt220|nec5520|newhp|newhpkeyboard|news-29|news-29-euc|news-29-sjis|news-33|news-33-euc|news-33-sjis|news-42|news-42-euc|news-42-sjis|news-old-unk|news-unk|news28|news29|next|nextshell|northstar|nsterm|nsterm+7|nsterm+acs|nsterm+c|nsterm+c41|nsterm+mac|nsterm+s|nsterm-7|nsterm-7-c|nsterm-acs|nsterm-c|nsterm-c-acs|nsterm-c-s|nsterm-c-s-7|nsterm-c-s-acs|nsterm-m|nsterm-m-7|nsterm-m-acs|nsterm-m-s|nsterm-m-s-7|nsterm-m-s-acs|nsterm-s|nsterm-s-7|nsterm-s-acs|nwp511|nwp512|nwp512-a|nwp512-o|nwp513|nwp513-a|nwp513-o|nwp517|nwp517-w|oblit|oc100|ofcons|oldpc3|oldsun|omron|opennt-100|opennt-100-nt|opennt-35|opennt-35-nt|opennt-35-w|opennt-50|opennt-50-nt|opennt-50-w|opennt-60|opennt-60-nt|opennt-60-w|opennt-w|opennt-w-vt|opus3n1+|origpc3|osborne|osborne-w|osexec|otek4112|otek4115|owl|p19|p8gl|pc-coherent|pc-minix|pc-venix|pc3|pc6300plus|pcansi|pcansi-25|pcansi-25-m|pcansi-33|pcansi-33-m|pcansi-43|pcansi-43-m|pcansi-m|pccons|pcix|pckermi|pckermi120|pcmw|pcplot|pcvt25|pcvt25-color|pcvt25w|pcvt28|pcvt28w|pcvt35|pcvt35w|pcvt40|pcvt40w|pcvt43|pcvt43w|pcvt50|pcvt50w|pcvtXX|pe1251|pe7000c|pe7000m|pilot|pmcons|prism12|prism12-m|prism12-m-w|prism12-w|prism14|prism14-m|prism14-m-w|prism14-w|prism2|prism4|prism5|prism7|prism8|prism8-w|prism9|prism9-8|prism9-8-w|prism9-w|pro350|ps300|psterm|psterm-80x24|psterm-90x28|psterm-96x48|psterm-fast|pt100|pt100w|pt210|pt250|pt250w|pty|putty|qansi|qansi-g|qansi-m|qansi-t|qansi-w|qdss|qnx|qnxm|qnx|qnx2|qnx2mono|qnxw|qume5|qvt101|qvt101+|qvt102|qvt103|qvt103-w|qvt119+|qvt119+-25|qvt119+-25-w|qvt119+-w|qvt203|qvt203-25|qvt203-25-w|qvt203-w|rbcomm|rbcomm-nam|rbcomm-w|rca|rcons|rcons-color|regent|regent100|regent20|regent25|regent40|regent40+|regent60|rt6221|rt6221-w|rtpc|rxvt|rxvt+pcfkeys|rxvt-16color|rxvt-basic|rxvt-color|rxvt-cygwin|rxvt-cygwin-native|rxvt-xpm|sb1|sb2|sbi|scanset|scoansi|scoansi-new|scoansi-old|screen|screen-bce|screen-s|screen-w|screen.linux|screen.teraterm|screen.xterm-r6|screen.xterm-

xfree86|screen2|screen3|screwpoint|scrhp|sibo|simterm|soroc120|soroc140|st52|sun|sun-1|
 sun-12|sun-17|sun-24|sun-34|sun-48|sun-c|sun-cgsix|sun-e|sun-e-s|sun-il|sun-s|sun-type4|
 superbee-xsb|superbeeic|superbrain|swtp|synertek|t10|t1061|t1061f|t16|t3700|t3800|tab132|
 tab132-rv|tab132-w|tab132-w-rv|tandem6510|tandem653|tek|tek4013|tek4014|tek4014-sm|
 tek4015|tek4015-sm|tek4023|tek4024|tek4025-17|tek4025-17-ws|tek4025-cr|tek4025-ex|
 tek4025a|tek4025ex|tek4105|tek4105-30|tek4105a|tek4106brl|tek4107|tek4112|tek4112-5|
 tek4112-nd|tek4113|tek4113-34|tek4113-nd|tek4115|tek4125|tek4205|tek4207|tek4207-s|
 tek4404|teletec|teraterm|terminet1200|ti700|ti916|ti916-132|ti916-8|ti916-8-132|ti924|ti924-8|
 ti924-8w|ti924w|ti926|ti926-8|ti928|ti928-8|ti931|ti_ansi|trs16|trs2|ts100|ts100-ctxt|tt|tt505-22|
 tty33|tty37|tty40|tty43|tvi803|tvi9065|tvi910|tvi910+|tvi912|tvi912b|tvi912b+2p|tvi912b+dim|
 tvi912b+mc|tvi912b+printer|tvi912b+vb|tvi912b-2p|tvi912b-2p-mc|tvi912b-2p-p|tvi912b-2p-
 unk|tvi912b-mc|tvi912b-p|tvi912b-unk|tvi912b-vb|tvi912b-vb-mc|tvi912b-vb-p|tvi912b-vb-
 unk|tvi912cc|tvi920b|tvi920b+fn|tvi920b-2p|tvi920b-2p-mc|tvi920b-2p-p|tvi920b-2p-unk|
 tvi920b-mc|tvi920b-p|tvi920b-unk|tvi920b-vb|tvi920b-vb-mc|tvi920b-vb-p|tvi920b-vb-unk|
 tvi921|tvi924|tvi925|tvi925-hi|tvi92B|tvi92D|tvi950|tvi950-2p|tvi950-4p|tvi950-rv|tvi950-
 rv-2p|tvi950-rv-4p|tvi955|tvi955-hb|tvi955-w|tvi970|tvi970-2p|tvi970-vb|tvipt|tws-generic|
 tws2102-sna|tws2103|tws2103-sna|uniterm|unknown|uts30|uwin|v3220|v5410|vanilla|vc303|
 vc303a|vc404|vc404-s|vc414|vc415|versaterm|vi200|vi200-f|vi200-rv|vi300|vi300-old|vi50|
 vi500|vi50adm|vi55|vi550|vi603|viewpoint|vip|vip-H|vip-Hw|vip-w|visa50|vp3a+|vp60|vp90|
 vremote|vsc|vt100|vt100+fnkeys|vt100+keypad|vt100+pfkeys|vt100-nav|vt100-nav-w|vt100-
 putty|vt100-s|vt100-s-bot|vt100-vb|vt100-w|vt100-w-nam|vt100nam|vt102|vt102-nsgr|vt102-
 w|vt125|vt131|vt132|vt200-js|vt220|vt220+keypad|vt220-8bit|vt220-nam|vt220-old|vt220-
 w|vt220d|vt320|vt320-k3|vt320-k311|vt320-nam|vt320-w|vt320-w-nam|vt320nam|vt340|
 vt400|vt420|vt420f|vt420pc|vt420pcdos|vt50|vt50h|vt510|vt510pc|vt510pcdos|vt52|vt520|
 vt525|vt61|wsiris|wsvt25|wsvt25m|wy100|wy100q|wy120|wy120-25|wy120-25-w|wy120-
 vb|wy120-w|wy120-w-vb|wy160|wy160-25|wy160-25-w|wy160-42|wy160-42-w|wy160-43|
 wy160-43-w|wy160-tek|wy160-vb|wy160-w|wy160-w-vb|wy185|wy185-24|wy185-vb|wy185-
 w|wy185-wvb|wy30|wy30-mc|wy30-vb|wy325|wy325-25|wy325-25w|wy325-42|wy325-42w|
 wy325-42w-vb|wy325-43|wy325-43w|wy325-43w-vb|wy325-vb|wy325-w|wy325-w-vb|
 wy350|wy350-vb|wy350-w|wy350-wvb|wy370|wy370-105k|wy370-EPC|wy370-nk|wy370-
 rv|wy370-tek|wy370-vb|wy370-w|wy370-wvb|wy50|wy50-mc|wy50-vb|wy50-w|wy50-wvb|
 wy520|wy520-24|wy520-36|wy520-36pc|wy520-36w|wy520-36wpc|wy520-48|wy520-48pc|
 wy520-48w|wy520-48wpc|wy520-epc|wy520-epc-24|wy520-epc-vb|wy520-epc-w|wy520-
 epc-wvb|wy520-vb|wy520-w|wy520-wvb|wy60|wy60-25|wy60-25-w|wy60-42|wy60-42-w|
 wy60-43|wy60-43-w|wy60-vb|wy60-w|wy60-w-vb|wy75|wy75-mc|wy75-vb|wy75-w|wy75-
 wvb|wy75ap|wy85|wy85-8bit|wy85-vb|wy85-w|wy85-wvb|wy99-ansi|wy99a-ansi|wy99f|
 wy99fa|wy99gt|wy99gt-25|wy99gt-25-w|wy99gt-tek|wy99gt-vb|wy99gt-w|wy99gt-w-vb|
 wyse-vp|x10term|x68k|xerox1720|xerox820|xnuppc|xnuppc+100x37|xnuppc+112x37|xnuppc
 +128x40|xnuppc+128x48|xnuppc+144x48|xnuppc+160x64|xnuppc+200x64|xnuppc+200x75|
 xnuppc+256x96|xnuppc+80x25|xnuppc+80x30|xnuppc+90x30|xnuppc+b|xnuppc+basic|xnuppc
 +c|xnuppc+f|xnuppc+f2|xnuppc-100x37|xnuppc-100x37-m|xnuppc-112x37|xnuppc-112x37-
 m|xnuppc-128x40|xnuppc-128x40-m|xnuppc-128x48|xnuppc-128x48-m|xnuppc-144x48|
 xnuppc-144x48-m|xnuppc-160x64|xnuppc-160x64-m|xnuppc-200x64|xnuppc-200x64-
 m|xnuppc-200x75|xnuppc-200x75-m|xnuppc-256x96|xnuppc-256x96-m|xnuppc-80x25|
 xnuppc-80x25-m|xnuppc-80x30|xnuppc-80x30-m|xnuppc-90x30|xnuppc-90x30-m|xnuppc-b|
 xnuppc-f|xnuppc-f2|xnuppc-m|xnuppc-m-b|xnuppc-m-f|xnuppc-m-f2|xtalk|xterm|xterm+pcfkeys|
 xterm+sl|xterm+sl-twm|xterm-1002|xterm-1003|xterm-16color|xterm-24|xterm-256color|
 xterm-88color|xterm-8bit|xterm-basic|xterm-bold|xterm-color|xterm-hp|xterm-new|xterm-nic|
 xterm-noapp|xterm-pcolor|xterm-r5|xterm-r6|xterm-sco|xterm-sun|xterm-vt220|xterm-vt52|
 xterm-xf86-v32|xterm-xf86-v33|xterm-xf86-v333|xterm-xf86-v40|xterm-xf86-v43|xterm-xf86-

v44|xterm-xfree86|xterm-xi|xterm1|xtermc|xtermm|xterms-sun|z100|z100bw|z29|z29a|z29a-kc-uc|z29a-nkc-bc|z29a-nkc-uc|z340|z340-nam|z39-a|zen30|zen50|ztx>

set cli terminal width <1-500>

set cli terminal height <1-500>

set session timeout-tcp <1-15999999>

set session timeout-udp <1-15999999>

set session timeout-icmp <1-15999999>

set session timeout-default <1-15999999>

set session timeout-tcpinit <1-60>

set session timeout-tcphandshake <1-60>

set session timeout-tcp-half-closed <1-604800>

set session timeout-tcp-unverified-rst <1-600>

set session timeout-tcp-time-wait <1-600>

set session timeout-tcp-delayed-ack <1-250>

set session timeout-captive-portal <1-15999999>

set session timeout-scan <5-30>

set session timeout-discard-tcp <1-15999999>

set session timeout-discard-udp <1-15999999>

set session timeout-discard-default <1-15999999>

set session scan-threshold <50-99>

set session scan-scaling-factor <2-16>

set session accelerated-aging-enable <yes|no>

set session accelerated-aging-threshold <50-99>

set session accelerated-aging-scaling-factor <2-16>

set session tcp-reject-non-syn <yes|no>

set session tcp-strict-rst <yes|no>

set session tcp-reject-small-initial-window-enable <yes|no>

set session tcp-reject-small-initial-window-threshold <0-1024>

set session offload <yes|no>

set session strict-checksum <yes|no>

set session resource-limit-behavior <bypass|drop>

set session drop-stp-packet <yes|no>

set session rewrite-pvst-pvid <yes|no>

set session pvst-native-vlan-id <1-4094>

```
set session pass-through-1q-pcp <yes|no>
set session tcp-reject-diff-syn yes
set session tcp-reject-diff-syn no
set session broadcast-first-packet yes
set session broadcast-first-packet no
set session run-to-completion yes
set session run-to-completion no
set session packet-buffer-latency-measurement yes
set session packet-buffer-latency-measurement no
set session default
set session lag-flow-key-type tag
set session lag-flow-key-type tuple
set session change-smac-in-resp yes
set session change-smac-in-resp no
set session tcp-retransmit-scan yes
set session tcp-retransmit-scan no
set session tcp-tfo-app yes
set session tcp-tfo-app no
set application dump-unknown <yes|no>
set application cache <yes|no>
set application supernode <yes|no>
set application heuristics <yes|no>
set application use-cache-for-identification <yes|no>
set application use-simple-appsigs <yes|no>
set application use-appid-cache-ssl-sni <yes|no>
set application notify-user <yes|no>
set application dump on limit <1-5000> from <value> to <value> source <ip/netmask>
destination <ip/netmask> source-user <value> destination-user <value> source-port <1-65535>
destination-port <1-65535> protocol <1-255> application <value> rule <value>
set application dump off
set application traceroute enable <yes|no>
set application traceroute ttl-threshold <0-255>
set clock date <value> time <value>
set system setting arp-cache-timeout <60-65535>
```

```
set system setting ip6-defrag-timeout <5-10>
set system setting icmp6-error <on|off>
set system setting mp-vr-vif-install-only-host-route <yes|no>
set system setting target-vsyt <value>|<none>
set system setting shared-policy <enable|disable|import-and-disable>
set system setting template <enable|disable|import-and-disable>
set system setting appid-match <regex|scan>
set system setting ctd-mode <aho|pscan>
set system setting dfa-mode <sw-dfa|hw-dfa>
set system setting jumbo-frame <on|off>
set system setting hardware-acl-blocking-enable <yes|no>
set system setting hardware-acl-blocking-duration <1-3600>
set system setting multi-vsyt <on|off>
set system setting fast-fail-over enable yes
set system setting fast-fail-over enable no
set system setting delay-interface-process interface <value> delay <0-5000>
set system setting rip-poison-reverse enable yes
set system setting rip-poison-reverse enable no
set system setting layer4-checksum disable
set system setting layer4-checksum enable
set system setting packet-path-test enable yes
set system setting packet-path-test enable no
set system setting packet-path-test show
set system setting packet-descriptor-monitor enable yes
set system setting packet-descriptor-monitor enable no
set system setting mp-memory-monitor enable yes
set system setting mp-memory-monitor enable no
set system setting zip enable <yes|no>
set system setting zip hw-reset <yes|no>
set system setting packet ip-frag-limit <yes|no>
set system setting util assert-crash-once <yes|no>
set system setting pow wqe-tag-check <yes|no>
set system setting pow wqe-inuse-check <yes|no>
```



```

set system setting pow wqe-swbuf-check <yes|no>
set system setting pow wqe-swbuf-track <yes|no>
set system setting pow wqe-hexspeak <yes|no>
set system setting pow wqe-swbuf-ref <yes|no>
set system setting wildfire interval server-list-update-interval <5-10080>|<default>
set system setting wildfire interval report-update-interval <60-3600>|<default>
set system setting wildfire disk-quota global <1-100>|<default>
set system setting wildfire disk-quota single-channel <1-100>|<default>
set system setting ctd regex-stats-on <yes|no>
set system setting ctd nonblocking-pattern-match-interval <1-20>|<default>
set system setting ctd pkt-proc-loop-low <1-8190>|<default>
set system setting ctd pkt-proc-loop-high <1-8190>|<default>
set system setting ctd pkt-proc-boundary <1-32000>|<default>
set system setting ctd wif-shared-buf-threshold <0-99>
set system setting ctd ctd-agent-assigned-cores <0-2>
set system setting ctd lscan-mode <yes|no>
set system setting ctd sml-token <dfa|lscan>
set system setting ctd nonblocking-pattern-match enable
set system setting ctd nonblocking-pattern-match disable
set system setting ctd nonblocking-pattern-match default
set system setting ctd enhanced-decode-filter-mode enable
set system setting ctd enhanced-decode-filter-mode disable
set system setting ctd enhanced-decode-filter-mode default
set system setting ctd block-on-base64-decode-error enable
set system setting ctd block-on-base64-decode-error disable
set system setting ctd block-on-base64-decode-error default
set system setting ctd block-on-bdat-chunk-decode-error enable
set system setting ctd block-on-bdat-chunk-decode-error disable
set system setting ctd block-on-bdat-chunk-decode-error default
set system setting ctd block-on-chunk-decode-error enable
set system setting ctd block-on-chunk-decode-error disable
set system setting ctd block-on-chunk-decode-error default
set system setting ctd block-on-qp-decode-error enable

```



```
set system setting ctd block-on-qp-decode-error disable
set system setting ctd block-on-qp-decode-error default
set system setting ctd block-on-utf-decode-error enable
set system setting ctd block-on-utf-decode-error disable
set system setting ctd block-on-utf-decode-error default
set system setting ctd block-on-uu-decode-error enable
set system setting ctd block-on-uu-decode-error disable
set system setting ctd block-on-uu-decode-error default
set system setting ctd block-on-zip-decode-error enable
set system setting ctd block-on-zip-decode-error disable
set system setting ctd block-on-zip-decode-error default
set system setting ctd wif-bypass-exceed-buf-limit enable
set system setting ctd wif-bypass-exceed-buf-limit disable
set system setting ctd wif-bypass-exceed-buf-limit default
set system setting ctd wifclient-traffic enable
set system setting ctd wifclient-traffic disable
set system setting ctd wifclient-traffic default
set system setting ctd feature-forward cloud-appid-prefiltering enable
set system setting ctd feature-forward cloud-appid-prefiltering disable
set system setting ctd feature-forward cloud-appid-prefiltering default
set system setting ctd lscan-mode-default
set system setting additional-threat-log on
set system setting additional-threat-log off
set system setting logging max-log-rate <0-50000>
set system setting logging max-packet-rate <0-2560>
set system setting logging log-suppression <yes|no>
set system setting logging default-policy-logging <0-300>
set system setting logging log-compression <all|off|caas-only>
set system setting logging default
set system setting ssl-decrypt skip-ssl-decrypt <yes|no>
set system setting ssl-decrypt skip-ssl <yes|no>
set system setting ssl-decrypt answer-timeout <1-86400>
set system setting ssl-decrypt notify-user <yes|no>
```

```
set system setting ssl-decrypt tunnel-taildrop-threshold <1-3072>
set system setting ctd-mode-default
set system setting dfa-mode-default
set system setting correlation enable yes
set system setting correlation enable no
set user-id data <value>
set xmlapi-group add group <value> user <value> timeout <1-3600>
set xmlapi-group delete group <value> user <value> timeout <1-3600>
set xmlapi-group refresh group <value>
set quarantine data <value>
set nw-id-api data <value>
set max-num-images count <2-64>
set global-protect worker-threads <10-100>
set global-protect redirect location <value>
set global-protect redirect on
set global-protect redirect off
set global-protect redirect show
set ssl-conn-on-cert fail-all-conns <True|False>
set ssl-conn-on-cert fail-syslog-conns <True|False>
set syslogng ssl-conn-validation all-conns <enforce|skip|prefer>
set syslogng ssl-conn-validation explicit CRL enforce
set syslogng ssl-conn-validation explicit CRL skip
set syslogng ssl-conn-validation explicit CRL prefer
set syslogng ssl-conn-validation explicit OCSP enforce
set syslogng ssl-conn-validation explicit OCSP skip
set syslogng ssl-conn-validation explicit OCSP prefer
set syslogng ssl-conn-validation explicit ECU enforce
set syslogng ssl-conn-validation explicit ECU skip
set syslogng ssl-conn-validation explicit ECU prefer
set syslogng fqdn-refresh yes
set syslogng fqdn-refresh no
set ztp panorama-timeout <0-9000>
set transceiver-monitor-rate slot <value> seconds <0-2147483647>
```

```

set sslmgr-check-cert-jobs max-limit <1-100>
request api key expiration
request clean-replay entries <all|committed>
request mongo show storage-engine instance <corr>
request mongo set storage-engine instance <corr> format <mmap|wiredTiger>
request plugins install <value>
request plugins quick-install <value>
request plugins uninstall <value>
request plugins reset-password <value>
request plugins delete-package <value>
request plugins upload name <value> path <value>
request plugins check
request plugins download file <value>
request plugins reset-plugin plugin-name <value> only <config|plugin>
request plugins debug plugin-name <value> level <off|low|medium|high>
request plugins dau plugin-name <value> unblock-device-push <yes|no>
request authentication unlock-admin user <value>
request authentication unlock-user vsys <value> auth-profile <value> user <value> is-seq <yes|no>
request panorama-connectivity-check
request resolve vsys <value> address <value>
request acknowledge logid <value>
request last-acknowledge-time
request commit-lock add comment <value>
request commit-lock remove admin <value>
request config-lock add comment <value>
request config-lock remove
request password-hash password <value> username <value>
request password-change-history re-encrypt old-master-key <value> master-key <value>
request password-change-history dump-history master-key <value>
request master-key new-master-key <value> current-master-key <value> lifetime <1-438000>
reminder <1-8760> on-hsm <yes|no>
request encryption-level level <0-2> re-encrypt <yes|no>
request hsm client-version <5.4.2|7.2.0>

```

request hsm server-enroll <value>
request hsm authenticate server <value> password <value>
request hsm login password <value>
request hsm ha create-ha-group password <value>
request hsm ha synchronize password <value>
request hsm ha replace-server password <value>
request hsm ha recover
request hsm support-info
request hsm rfs-setup
request hsm rfs-sync
request hsm reset
request hsm mkey-wrapping-key-rotation
request tech-support dump
request stats dump
request telemetry-data dump
request quota-enforcement
request high-availability cluster sync-from <value>|<all>
request high-availability cluster clear-cache <value>|<all>
request high-availability sync-to-remote candidate-config
request high-availability sync-to-remote running-config
request high-availability sync-to-remote ssh-key
request high-availability sync-to-remote runtime-state
request high-availability sync-to-remote clock
request high-availability sync-to-remote id-manager base
request high-availability sync-to-remote id-manager user-id
request high-availability state suspend
request high-availability state functional
request high-availability state peer suspend
request high-availability state peer functional
request high-availability session-reestablish force
request shutdown system with-swap-scrub nnsa
request shutdown system with-swap-scrub dod
request restart system with-swap-scrub nnsa

request restart system with-swap-scrub dod

request restart software

request restart dataplane

request system private-data-reset

request system bootstrap-usb prepare from <value>

request system bootstrap-usb delete bundle <value>

request system self-test crypto

request system self-test software-integrity

request system self-test force-software-integrity-failure

request system self-test force-crypto-failure mp <value>

request system self-test force-crypto-failure dp <value>

request system self-test-job crypto

request system self-test-job software-integrity

request system software info

request system software check

request system software download sync-to-peer <yes|no> version <value>

request system software download sync-to-peer <yes|no> file <value>

request system software install load-config <value> version <value>

request system fqdn show

request system fqdn show-object

request system fqdn refresh

request system external-list url-test <value>

request system external-list list-capacities

request system external-list global-find string <value>

request system external-list show type predefined-ip name <value> anchor <1-4294967295> num-records <1-4294967295> find <value>

request system external-list show type predefined-url name <value> anchor <1-4294967295> num-records <1-4294967295> find <value>

request system external-list show type ip name <value> anchor <1-4294967295> num-records <1-4294967295> find <value>

request system external-list show type domain name <value> anchor <1-4294967295> num-records <1-4294967295> find <value>

request system external-list show type url name <value> anchor <1-4294967295> num-records <1-4294967295> find <value>

request system external-list stats type predefined-ip name <value>

request system external-list stats type predefined-url name <value>
request system external-list stats type ip name <value>
request system external-list stats type domain name <value>
request system external-list stats type url name <value>
request system external-list refresh type ip name <value>
request system external-list refresh type domain name <value>
request system external-list refresh type url name <value>
request global-protect-client software info
request global-protect-client software check
request global-protect-client software download sync-to-peer <yes|no> version <value>
request global-protect-client software download sync-to-peer <yes|no> file <value>
request global-protect-client software activate version <value>
request global-protect-client software activate file <value>
request url-filtering save url-database
request url-filtering install pandb-database
request url-filtering update url <value>
request url-filtering upgrade
request data-filtering access-password create password <value>
request data-filtering access-password modify old-password <value> new-password <value>
request data-filtering access-password delete
request device-quarantine-list add ip <ip/netmask> ipv6 <ip/netmask> hostid <value> serialno <value>
request device-quarantine-list delete host <value>
request device-quarantine-list show hostid <value>
request device-quarantine-list show serialno <value>
request device-quarantine-list show all option <count>
request iot validity-check <value>
request iot upgrade info
request iot upgrade check
request content validity-check <value>
request content downgrade skip-content-validity-check <yes|no> install <value>
request content upgrade info
request content upgrade check
request content upgrade download sync-to-peer <yes|no> force <yes|no> latest

```

request content upgrade install commit <yes|no> sync-to-peer <yes|no> disable-new-content
<yes|no> force <yes|no> skip-content-validity-check <yes|no> version <latest>

request content upgrade install commit <yes|no> sync-to-peer <yes|no> disable-new-content
<yes|no> force <yes|no> skip-content-validity-check <yes|no> file <value>

request anti-virus downgrade install <value>

request anti-virus upgrade info

request anti-virus upgrade check

request anti-virus upgrade download sync-to-peer <yes|no> latest

request anti-virus upgrade install commit <yes|no> sync-to-peer <yes|no> version <latest>

request anti-virus upgrade install commit <yes|no> sync-to-peer <yes|no> file <value>

request global-protect-clientless-vpn downgrade install <value>

request global-protect-clientless-vpn upgrade check

request global-protect-clientless-vpn upgrade download latest sync-to-peer <yes|no>

request global-protect-clientless-vpn upgrade info

request global-protect-clientless-vpn upgrade install commit <yes|no> sync-to-peer <yes|no> file
<value>

request global-protect-clientless-vpn upgrade install commit <yes|no> sync-to-peer <yes|no>
version <latest>

request wildfire-realtime-cache add virus-pattern-type <PE|Hash> UTID <value> virus-pattern
<value>

request wildfire-realtime-cache delete virus-pattern-type <PE|Hash> UTID <value> virus-pattern
<value>

request wildfire registration channel <public|private>

request wildfire downgrade install <value>

request wildfire upgrade info

request wildfire upgrade check

request wildfire upgrade download latest sync-to-peer <yes|no>

request wildfire upgrade install commit <yes|no> sync-to-peer <yes|no> version <latest>

request wildfire upgrade install commit <yes|no> sync-to-peer <yes|no> file <value>

request wf-private downgrade install <value>

request wf-private upgrade info

request wf-private upgrade check

request wf-private upgrade download latest sync-to-peer <yes|no>

request wf-private upgrade install commit <yes|no> sync-to-peer <yes|no> version <latest>

request logging-service-forwarding customerinfo fetch

```

request logging-service-forwarding customerinfo show
request logging-service-forwarding status
request logging-service-forwarding certificate info
request logging-service-forwarding certificate fetch
request logging-service-forwarding certificate fetch-noproxy pre-shared-key <value>
request logging-service-forwarding certificate delete
request saas_agent certificate info
request log-collector-forwarding status
request address-expansion expand object-name <value> vsys-name <value>
request license install <value>
request license info
request license fetch auth-code <value>
request license api-key set key <value>
request license api-key delete
request license api-key show
request license deactivate VM-Capacity mode <auto|manual>
request license deactivate key mode <auto|manual> features
request license deactivate key mode <auto|manual> features [<features1> <features2>...]
request logdb migrate-to-panorama start type <value> start-time <value> end-time <value>
request logdb migrate-to-panorama status type <value>
request logdb migrate-to-panorama stop type <value>
request support info
request support check
request device-registration username <value> password <value>
request certificate show certificate-name <value>
request certificate generate certificate-name <value> name <value> digest <value> country-code <value> state <value> locality <value> organization <value> email <value> filename <value> ca <yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsp-responder-url <value> days-till-expiry <1-7300> algorithm RSA rsa-nbits <value>
request certificate generate certificate-name <value> name <value> digest <value> country-code <value> state <value> locality <value> organization <value> email <value> filename <value> ca <yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsp-responder-url <value> days-till-expiry <1-7300> algorithm RSA rsa-nbits <value>
request certificate generate certificate-name <value> name <value> digest <value> country-code <value> state <value> locality <value> organization <value> email <value> filename <value> ca

<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> algorithm ECDSA ecdsa-nbits <value>

request certificate generate certificate-name <value> name <value> digest <value> country-code
<value> state <value> locality <value> organization <value> email <value> filename <value> ca
<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> organization-unit

request certificate generate certificate-name <value> name <value> digest <value> country-code
<value> state <value> locality <value> organization <value> email <value> filename <value> ca
<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> organization-unit [<organization-unit1> <organization-unit2>...]

request certificate generate certificate-name <value> name <value> digest <value> country-code
<value> state <value> locality <value> organization <value> email <value> filename <value> ca
<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> hostname

request certificate generate certificate-name <value> name <value> digest <value> country-code
<value> state <value> locality <value> organization <value> email <value> filename <value> ca
<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> hostname [<hostname1> <hostname2>...]

request certificate generate certificate-name <value> name <value> digest <value> country-code
<value> state <value> locality <value> organization <value> email <value> filename <value> ca
<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> ip

request certificate generate certificate-name <value> name <value> digest <value> country-code
<value> state <value> locality <value> organization <value> email <value> filename <value> ca
<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> ip [<ip1> <ip2>...]

request certificate generate certificate-name <value> name <value> digest <value> country-code
<value> state <value> locality <value> organization <value> email <value> filename <value> ca
<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> alt-email

request certificate generate certificate-name <value> name <value> digest <value> country-code
<value> state <value> locality <value> organization <value> email <value> filename <value> ca
<yes|no> block-private-key <yes|no> signed-by <value>|<external> ocsf-responder-url <value>
days-till-expiry <1-7300> alt-email [<alt-email1> <alt-email2>...]

request certificate generate-scep-client-cert certificate-name <value> scep-profile <value> scep-
url <value> scep-url <value> scep-ca-cert <value> scep-client-cert <value> ca-identity-name
<value> subject <value> digest <value> fingerprint <value> use-as-digital-signature <yes|no> use-
for-key-encipherment <yes|no> scep-challenge fixed <value>

request certificate generate-scep-client-cert certificate-name <value> scep-profile <value> scep-
url <value> scep-url <value> scep-ca-cert <value> scep-client-cert <value> ca-identity-name
<value> subject <value> digest <value> fingerprint <value> use-as-digital-signature <yes|no> use-
for-key-encipherment <yes|no> scep-challenge none

request certificate generate-scep-client-cert certificate-name <value> scep-profile <value> scep-
url <value> scep-url <value> scep-ca-cert <value> scep-client-cert <value> ca-identity-name

<value> subject <value> digest <value> fingerprint <value> use-as-digital-signature <yes|no> use-for-key-encipherment <yes|no> scep-challenge dynamic otp-server-url <value> otp-server-url <value> username <value> password <value>

request certificate generate-scep-client-cert certificate-name <value> scep-profile <value> scep-url <value> scep-url <value> scep-ca-cert <value> scep-client-cert <value> ca-identity-name <value> subject <value> digest <value> fingerprint <value> use-as-digital-signature <yes|no> use-for-key-encipherment <yes|no> algorithm rsa rsa-nbits <value>

request certificate generate-scep-client-cert certificate-name <value> scep-profile <value> scep-url <value> scep-url <value> scep-ca-cert <value> scep-client-cert <value> ca-identity-name <value> subject <value> digest <value> fingerprint <value> use-as-digital-signature <yes|no> use-for-key-encipherment <yes|no> certificate-attributes rfc822name <value>

request certificate generate-scep-client-cert certificate-name <value> scep-profile <value> scep-url <value> scep-url <value> scep-ca-cert <value> scep-client-cert <value> ca-identity-name <value> subject <value> digest <value> fingerprint <value> use-as-digital-signature <yes|no> use-for-key-encipherment <yes|no> certificate-attributes dnsname <value>

request certificate generate-scep-client-cert certificate-name <value> scep-profile <value> scep-url <value> scep-url <value> scep-ca-cert <value> scep-client-cert <value> ca-identity-name <value> subject <value> digest <value> fingerprint <value> use-as-digital-signature <yes|no> use-for-key-encipherment <yes|no> certificate-attributes uniform-resource-identifier <value>

request certificate import-scep-ca-cert certificate-name <value> scep-profile <value> scep-url <value> ca-identity-name <value> scep-ca-cert <value> scep-client-cert <value>

request certificate renew certificate-name <value> days-till-expiry <1-7300>

request certificate revoke certificate-name <value>

request certificate revoke sslmgr-store db-serialno <value>

request certificate fetch otp <value>

request certificate is-blocked certificate-name <value>

request certificate show-blocked vsys-name <value>

request certificate show-blocked shared

request global-protect-gateway client-logout-all gateway <value>

request global-protect-gateway check-client-logout-all-status

request global-protect-gateway client-logout gateway <value> domain <value> computer <value> user <value> reason <force-logout> client-os-version <value>

request global-protect-gateway satellite-logout gateway <value> serialno <value> reason <force-logout>

request global-protect-portal ticket portal <value> request <value> duration <0-65535>

request global-protect-portal client-logout portal <value> reason <force-logout> filter-user user <value>

request global-protect-portal client-logout portal <value> reason <force-logout> filter-user match-user <value>

request global-protect-portal client-logout portal <value> reason <force-logout> filter-user id <value>

request global-protect-portal client-logout portal <value> reason <force-logout> filter-user all-users

request global-protect-portal clear-config-selection-cache device <value>|<all>

request global-protect-satellite get-portal-config satellite <value> username <value> password <value>

request global-protect-satellite get-gateway-config satellite <value> gateway-address <value>

request dhcp client renew <value>|<vlan|all>

request dhcp client release <value>|<vlan|all>

request dhcp client management-interface renew

request dhcp client management-interface release

request dnsproxy license refresh

request determine-new-applications version <value> rulebase <value>

request list-content-downloads

request get-disabled-applications

request get-application-status application <value>

request set-application-status-recursive enable-dependent-apps <yes|no> application <value> status <enabled|disabled>

request clear-commit-tasks

request session-discard id <1-4294967295> reason <value> timeout <0-159999999>

request disable-ztp

request device-telemetry collect-now

request device-telemetry cancel-collect-now

request multi-config enabled

request multi-config disabled

request authkey set <value>

request user-id cloud-identity-engine config-data status

test tag-filter <value>

test url <value>

test url-info-host <value>

test url-info-cloud <value>

test url-wpc <value>

test cookie-surrogate username <value> ip <ip/netmask>

test arp gratuitous interface <value> ip <ip/netmask>

test nd router-advertisement interface <value>

test nptv6 cks-neutral dest-network <ip/netmask> source-ip <ip/netmask>

test custom-url url <value>

test ssl-exclude-list predefined hostname <value>

test ssl-exclude-list shared hostname <value>

test ssl-exclude-list vsys hostname <value>

test security-policy-match from <value> to <value>|<multicast> source <ip/netmask> source-port <1-65535> destination <ip/netmask> destination-port <1-65535> source-user <value> protocol <1-255> show-all <yes|no> application <value> uappid <10000000-4294967295> category <value> check-hip-mask <yes|no> source-os <value> source-model <value> source-vendor <value> destination-os <value> destination-model <value> destination-vendor <value> source-category <value> source-profile <value> source-osfamily <value> destination-category <value> destination-profile <value> destination-osfamily <value>

test qos-policy-match from <value>|<any> to <value>|<any>|<multicast> source <ip/netmask> destination <ip/netmask> destination-port <1-65535> source-user <value> protocol <1-255> application <value> category <value> codepoint-type <dscp|tos> codepoint-value <0-63>

test authentication-policy-match from <value>|<any> to <value>|<any> source <ip/netmask> destination <ip/netmask> category <value>

test decryption-policy-match from <value>|<any> to <value>|<any> source <ip/netmask> destination <ip/netmask> category <value> application <value>

test nat-policy-match from <value>|<any> to <value>|<any> source <ip/netmask> destination <ip/netmask> source-port <1-65535> destination-port <1-65535> protocol <1-255> to-interface <value> ha-device-id <0-1>

test pbf-policy-match from <value> from-interface <value> source <ip/netmask> destination <ip/netmask> destination-port <1-65535> source-user <value> protocol <1-255> application <value> ha-device-id <0-1>

test dos-policy-match from <value> to <value>|<multicast> from-interface <value> to-interface <value> source <ip/netmask> destination <ip/netmask> destination-port <1-65535> source-user <value> protocol <1-255>

test vpn ike-sa gateway <value>

test vpn ipsec-sa tunnel <value>

test routing fib-lookup ip <ip/netmask> virtual-router <value> ecmp source-ip <ip/netmask> source-port <1-65535> destination-ip <ip/netmask> destination-port <1-65535>

test routing mfib-lookup group <ip/netmask> source <ip/netmask> virtual-router <value>

test routing bgp virtual-router

test routing bgp virtual-router <name> refresh peer <value>

test routing bgp virtual-router <name> restart peer <value>

test routing bgp virtual-router <name> restart self

test advanced-routing bgp restart peer <ip/netmask>|<all>

```

test http-profile vsys <value> name <value> type <config|system|traffic|threat|wildfire|url|data|
hip-match|auth|gtp|tunnel|correlation|userid|iptag|decryption|globalprotect>

test http-server vsys <value> address <value> protocol <HTTP|HTTPS> tls-version <1.2|1.1|1.0>
certificate-profile <value> port <1-65535> username <value> password <value>

test http-profile-server-auth-token vsys <value> profile <value> server <value> token <value>

test smtp-server vsys <value> display-name <value> from <value> to <value> and-also-to <value>
gateway <value> protocol <SMTP|TLS> tls-version <1.2|1.1> auth <Auto|Login|Plain> certificate-
profile <value> port <1-65535> username <value> password <value>

test stats-service

test uuid enable yes

test uuid enable no

test botnet domain <value>

test data-filtering pattern <value>

test data-filtering ccn <value>

test data-filtering ssn <value>

test pppoe interface <value>

test dns-proxy query name

test dns-proxy query name <name> source <ip/netmask> domain-name <value>

test dns-proxy query name <name> source <ip/netmask> ip <ip/netmask>

test dns-proxy ddns update interface name <value>|<vlan|all>

test dns-proxy fqdn refresh all

test dns-proxy fqdn refresh entry FQDN <value> type <RR_A|RR_AAAA>

test dns-proxy dns-signature fqdn <value>

test custom-signature-perf pattern <value> context <value>

test custom-signature-type pattern <value>

test scp-server-connection initiate hostname <value> port <1-65535> path <value> username
<value> password <value>

test scp-server-connection confirm hostname <value> key <value>

test threat-vault connection

test global-protect-satellite gateway-reconnect satellite <value> gateway-address <value>
method <registration|activation>

test global-protect-satellite gateway-connect satellite <value> gateway-address <value> method
<registration|activation>

test global-protect-satellite gateway-disconnect satellite <value> gateway-address <value>
method <registration|activation>

test global-protect-mdm hipreport request mobile-id <value> jailbroken <yes|no>

```

```

test user-id user-id-syslog-parse regex-identifier event-regex <value> username-regex <value>
address-regex <value> log-string <value>

test user-id user-id-syslog-parse field-identifier event-string <value> username-prefix <value>
username-delimiter <value> address-prefix <value> address-delimiter <value> log-string <value>

test user-id custom-group group-mapping <value> ldap-filter <value>

test authentication authentication-profile <value> username <value> password <value>

test mfa-vendors mfa-server-profile <value>

test generate-saml-url captive-portal vsys <value> authprofile <value> ip-hostname <value>

test generate-saml-url global-protect vsys <value> authprofile <value> ip-hostname <value>

test generate-saml-url management interface <mgmt> authprofile <value> ip-hostname <value>

scp import idp-metadata profile-name <value> max-clock-skew <value> validate-metadata-
signature <value> validate-idp-certificate <value> metadata-validation-cert-profile <value>
admin-use-only <yes|no> from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import configuration from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import ui-translation-mapping from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import private-key from <value> remote-port <1-65535> source-ip <ip/netmask> passphrase
<value> certificate-name <value> format <pkcs12|pem> block-private-key <yes|no>

scp import keypair from <value> remote-port <1-65535> source-ip <ip/netmask> passphrase
<value> certificate-name <value> format <pkcs12|pem> block-private-key <yes|no>

scp import logdb from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import certificate from <value> remote-port <1-65535> source-ip <ip/netmask> certificate-
name <value> passphrase <value> format <pkcs12|pem>

scp import license from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import software from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import plugin from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import high-availability-key from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import ssl-optout-text from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import ssl-cert-status-page from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import captive-portal-text from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import url-coach-text from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import application-block-page from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import safe-search-block-page from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import hsm-server-cert from <value> remote-port <1-65535> source-ip <ip/netmask> hsm-
name <value>

scp import url-block-page from <value> remote-port <1-65535> source-ip <ip/netmask>

scp import mfa-login-page from <value> remote-port <1-65535> source-ip <ip/netmask>

```

```

scp import credential-block-page from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import credential-coach-text from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import file-block-continue-page from <value> remote-port <1-65535> source-ip <ip/
netmask>
scp import file-block-page from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import data-filter-block-page from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import virus-block-page from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import saml-auth-internal-error-page from <value> remote-port <1-65535> source-ip <ip/
netmask>
scp import global-protect-portal-custom-login-page profile <value> from <value> remote-port
<1-65535> source-ip <ip/netmask>
scp import global-protect-portal-custom-home-page profile <value> from <value> remote-port
<1-65535> source-ip <ip/netmask>
scp import global-protect-portal-custom-help-page profile <value> from <value> remote-port
<1-65535> source-ip <ip/netmask>
scp import global-protect-portal-custom-welcome-page profile <value> from <value> remote-port
<1-65535> source-ip <ip/netmask>
scp import content from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import anti-virus from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import wildfire from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import device-state from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import url-database from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import signed-url-database from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import pandb-url-database from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import global-protect-clientless-vpn from <value> remote-port <1-65535> source-ip <ip/
netmask>
scp import global-protect-client from <value> remote-port <1-65535> source-ip <ip/netmask>
scp import bootstrap-bundle from <value> remote-port <1-65535> source-ip <ip/netmask>
scp export mgmt-pcap from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>
scp export license-token-file from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>
scp export threat-pcap pcap-id <value> search-time <value> to <value> remote-port <1-65535>
source-ip <ip/netmask>
scp export certificate to <value> remote-port <1-65535> source-ip <ip/netmask> certificate-
name <value> passphrase <value> include-key <yes|no> format <pem|der|pkcs12|pkcs10>
scp export ui-translation-mapping from <value> to <value> remote-port <1-65535> source-ip
<ip/netmask>

```

scp export device-state to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export pan-url-db to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export srl from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export filter-pcap from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export application-pcap from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export inbound-proxy-key from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export stats-dump to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export stats-dump to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export pprof-file management-plane from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export debug bootmem_file from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export core-file management-plane from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export core-file large-corefile from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export core-file data-plane from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export log-file management-plane to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export log-file data-plane to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export configuration from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export pdf-reports from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export web-interface-certificate to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export logdb to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export device-telemetry from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export tech-support to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export telemetry-data from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export dnsproxy from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export log traffic max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log traffic max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log threat max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log threat max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log url max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log url max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log data max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log data max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log wildfire max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log wildfire max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log decryption max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log decryption max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log globalprotect max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log globalprotect max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log tunnel max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log tunnel max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log userid max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log userid max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log auth max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log auth max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log system max-log-count <0-1048576> query <value> to <value> remote-port <1-65535> source-ip <ip/netmask> start-time equal <value>

```

scp export log system max-log-count <0-1048576> query <value> to <value> remote-port
<1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log config max-log-count <0-1048576> query <value> to <value> remote-port
<1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log config max-log-count <0-1048576> query <value> to <value> remote-port
<1-65535> source-ip <ip/netmask> end-time equal <value>

scp export log alarm max-log-count <0-1048576> query <value> to <value> remote-port
<1-65535> source-ip <ip/netmask> start-time equal <value>

scp export log alarm max-log-count <0-1048576> query <value> to <value> remote-port
<1-65535> source-ip <ip/netmask> end-time equal <value>

scp export high-availability-key from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

scp export ssl-optout-text to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export global-protect-portal-custom-login-page name <value> to <value> remote-port
<1-65535> source-ip <ip/netmask>

scp export global-protect-portal-custom-home-page name <value> to <value> remote-port
<1-65535> source-ip <ip/netmask>

scp export global-protect-portal-custom-help-page name <value> to <value> remote-port
<1-65535> source-ip <ip/netmask>

scp export global-protect-portal-custom-welcome-page name <value> to <value> remote-port
<1-65535> source-ip <ip/netmask>

scp export ssl-cert-status-page to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export captive-portal-text to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export url-coach-text to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export file-block-continue-page to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export file-block-page to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export application-block-page to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export url-block-page to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export mfa-login-page to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export virus-block-page to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export debug-pcap from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

scp export hsm-support-info from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

scp export hsm-client-cert from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

scp export ike-config-file from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp import anti-virus from <value> file <value> remote-port <1-65535> source-ip <ip/netmask>

```

```

tftp import wildfire from <value> file <value> remote-port <1-65535> source-ip <ip/netmask>
tftp import device-state from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import content from <value> file <value> remote-port <1-65535> source-ip <ip/netmask>
tftp import url-database from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import signed-url-database from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import pandb-url-database from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import global-protect-client from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import bootstrap-bundle from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import configuration from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import certificate from <value> file <value> remote-port <1-65535> source-ip <ip/netmask>
certificate-name <value> passphrase <value> format <pkcs12|pem>
tftp import private-key from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask> passphrase <value> certificate-name <value> format <pkcs12|pem>
tftp import keypair from <value> file <value> remote-port <1-65535> source-ip <ip/netmask>
passphrase <value> certificate-name <value> format <pkcs12|pem>
tftp import license from <value> file <value> remote-port <1-65535> source-ip <ip/netmask>
tftp import software from <value> file <value> remote-port <1-65535> source-ip <ip/netmask>
tftp import high-availability-key from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import ssl-optout-text from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import ssl-cert-status-page from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import captive-portal-text from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import url-coach-text from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>
tftp import file-block-continue-page from <value> file <value> remote-port <1-65535> source-ip
<ip/netmask>
tftp import file-block-page from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>

```

```

tftp import data-filter-block-page from <value> file <value> remote-port <1-65535> source-ip
<ip/netmask>

tftp import application-block-page from <value> file <value> remote-port <1-65535> source-ip
<ip/netmask>

tftp import safe-search-block-page from <value> file <value> remote-port <1-65535> source-ip
<ip/netmask>

tftp import url-block-page from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp import mfa-login-page from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp import credential-coach-text from <value> file <value> remote-port <1-65535> source-ip
<ip/netmask>

tftp import credential-block-page from <value> file <value> remote-port <1-65535> source-ip
<ip/netmask>

tftp import virus-block-page from <value> file <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp import global-protect-portal-custom-login-page profile <value> from <value> file <value>
remote-port <1-65535> source-ip <ip/netmask>

tftp import global-protect-portal-custom-home-page profile <value> from <value> file <value>
remote-port <1-65535> source-ip <ip/netmask>

tftp import global-protect-portal-custom-help-page profile <value> from <value> file <value>
remote-port <1-65535> source-ip <ip/netmask>

tftp import global-protect-portal-custom-welcome-page profile <value> from <value> file <value>
remote-port <1-65535> source-ip <ip/netmask>

tftp export license-token-file from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp export device-state to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export crl from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export filter-pcap from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export application-pcap from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp export stats-dump to <value> remote-port <1-65535> source-ip <ip/netmask> start-time
equal <value>

tftp export stats-dump to <value> remote-port <1-65535> source-ip <ip/netmask> end-time
equal <value>

tftp export debug bootmem_file from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp export core-file management-plane from <value> to <value> remote-port <1-65535> source-
ip <ip/netmask>

```

```

tftp export core-file large-corefile from <value> to <value> remote-port <1-65535> source-ip
<ip/netmask>

tftp export core-file data-plane from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp export threat-pcap pcap-id <value> search-time <value> to <value> remote-port <1-65535>
source-ip <ip/netmask>

tftp export mgmt-pcap from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export configuration from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp export web-interface-certificate to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export tech-support to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export telemetry-data from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp export dnsproxy from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export log-file management-plane to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp export log-file data-plane to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export high-availability-key from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

tftp export ssl-optout-text to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export ssl-cert-status-page to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export captive-portal-text to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export url-coach-text to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export file-block-continue-page to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export file-block-page to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export application-block-page to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export url-block-page to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export mfa-login-page to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export virus-block-page to <value> remote-port <1-65535> source-ip <ip/netmask>

tftp export global-protect-portal-custom-login-page name <value> to <value> remote-port
<1-65535> source-ip <ip/netmask>

tftp export global-protect-portal-custom-home-page name <value> to <value> remote-port
<1-65535> source-ip <ip/netmask>

tftp export global-protect-portal-custom-help-page name <value> to <value> remote-port
<1-65535> source-ip <ip/netmask>

tftp export global-protect-portal-custom-welcome-page name <value> to <value> remote-port
<1-65535> source-ip <ip/netmask>

```

```

tftp export debug-pcap from <value> to <value> remote-port <1-65535> source-ip <ip/netmask>
tftp export inbound-proxy-key from <value> to <value> remote-port <1-65535> source-ip <ip/
netmask>

ftp export log traffic query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> passive-mode equal <yes|no>

ftp export log traffic query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> start-time equal <value>

ftp export log traffic query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> end-time equal <value>

ftp export log threat query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> passive-mode equal <yes|no>

ftp export log threat query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> start-time equal <value>

ftp export log threat query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> end-time equal <value>

ftp export log data query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> passive-mode equal <yes|no>

ftp export log data query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> start-time equal <value>

ftp export log data query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> end-time equal <value>

ftp export log url query <value> max-log-count <0-1048576> to <value> remote-port <1-65535>
passive-mode equal <yes|no>

ftp export log url query <value> max-log-count <0-1048576> to <value> remote-port <1-65535>
start-time equal <value>

ftp export log url query <value> max-log-count <0-1048576> to <value> remote-port <1-65535>
end-time equal <value>

ftp export log wildfire query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> passive-mode equal <yes|no>

ftp export log wildfire query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> start-time equal <value>

ftp export log wildfire query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> end-time equal <value>

ftp export log decryption query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> passive-mode equal <yes|no>

ftp export log decryption query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> start-time equal <value>

ftp export log decryption query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> end-time equal <value>

```

ftp export log globalprotect query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> passive-mode equal <yes|no>

ftp export log globalprotect query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> start-time equal <value>

ftp export log globalprotect query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> end-time equal <value>

ftp export log tunnel query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> passive-mode equal <yes|no>

ftp export log tunnel query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> start-time equal <value>

ftp export log tunnel query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> end-time equal <value>

ftp export log userid query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> passive-mode equal <yes|no>

ftp export log userid query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> start-time equal <value>

ftp export log userid query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> end-time equal <value>

ftp export log auth query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> passive-mode equal <yes|no>

ftp export log auth query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> start-time equal <value>

ftp export log auth query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> end-time equal <value>

ftp export log system query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> passive-mode equal <yes|no>

ftp export log system query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> start-time equal <value>

ftp export log system query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> end-time equal <value>

ftp export log config query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> passive-mode equal <yes|no>

ftp export log config query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> start-time equal <value>

ftp export log config query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> end-time equal <value>

ftp export log alarm query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> passive-mode equal <yes|no>

ftp export log alarm query <value> max-log-count <0-1048576> to <value> remote-port <1-65535> start-time equal <value>


```

ftp export log alarm query <value> max-log-count <0-1048576> to <value> remote-port
<1-65535> end-time equal <value>

less mp-log <value>
less plugins-log <value>
less mp-global <value>
less dp-log <value>
less mp-backtrace <value>
less dp-backtrace <value>
less webserver-log <value>
less appweb-log <value>
less custom-page <value>
less agent-log <value>
less db-log <value>

ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> mp-log <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> plugins-log <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> mp-global <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> dp-log <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> mp-backtrace <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> dp-backtrace <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> webserver-log <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> appweb-log <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> custom-page <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> global <value>
ls long-format <yes|no> sort-by-time <yes|no> reverse-order <yes|no> content <value>

grep invert-match <yes|no> line-number <yes|no> ignore-case <yes|no> no-filename <yes|no>
count <yes|no> max-count <1-65535> context <1-65535> before-context <1-65535> after-
context <1-65535> pattern <value> mp-log <value>

grep invert-match <yes|no> line-number <yes|no> ignore-case <yes|no> no-filename <yes|no>
count <yes|no> max-count <1-65535> context <1-65535> before-context <1-65535> after-
context <1-65535> pattern <value> dp-log <value>

ping bypass-routing <yes|no> count <1-2000000000> do-not-fragment <yes|no> inet6 <yes|no>
interval <1-2000000000> source <value> no-resolve <yes|no> pattern <value> size <0-65468>
tos <1-255> ttl <1-255> verbose <yes|no> host <value>

traceroute ipv4 <yes|no> ipv6 <yes|no> first-ttl <1-255> max-ttl <1-255> port <1-65535> tos
<1-255> wait <1-99999> pause <1-2000000000> do-not-fragment <yes|no> debug-socket <yes|
no> gateway <ip/netmask> no-resolve <yes|no> bypass-routing <yes|no> source <value> host
<value>

```


ssh inet <yes|no> port <0-65535> source <value> v1 <yes|no> v2 <yes|no> host <value>

tail follow <yes|no> lines <1-65535> mp-log <value>

tail follow <yes|no> lines <1-65535> plugins-log <value>

tail follow <yes|no> lines <1-65535> db-log <value>

tail follow <yes|no> lines <1-65535> dp-log <value>

tail follow <yes|no> lines <1-65535> agent-log <value>

tail follow <yes|no> lines <1-65535> webserver-log <value>

tail follow <yes|no> lines <1-65535> appweb-log <value>

view-pcap follow <yes|no> link-header <yes|no> no-dns-lookup <yes|no> no-port-lookup <yes|no> no-qualification <yes|no> absolute-seq <yes|no> no-timestamp <yes|no> unformatted-timestamp <yes|no> delta <yes|no> timestamp <yes|no> undecoded-NFS <yes|no> verbose <yes|no> verbose+ <yes|no> verbose++ <yes|no> hex <yes|no> hex-link <yes|no> hex-ascii <yes|no> hex-ascii-link <yes|no> application-pcap <value>

view-pcap follow <yes|no> link-header <yes|no> no-dns-lookup <yes|no> no-port-lookup <yes|no> no-qualification <yes|no> absolute-seq <yes|no> no-timestamp <yes|no> unformatted-timestamp <yes|no> delta <yes|no> timestamp <yes|no> undecoded-NFS <yes|no> verbose <yes|no> verbose+ <yes|no> verbose++ <yes|no> hex <yes|no> hex-link <yes|no> hex-ascii <yes|no> hex-ascii-link <yes|no> filter-pcap <value>

view-pcap follow <yes|no> link-header <yes|no> no-dns-lookup <yes|no> no-port-lookup <yes|no> no-qualification <yes|no> absolute-seq <yes|no> no-timestamp <yes|no> unformatted-timestamp <yes|no> delta <yes|no> timestamp <yes|no> undecoded-NFS <yes|no> verbose <yes|no> verbose+ <yes|no> verbose++ <yes|no> hex <yes|no> hex-link <yes|no> hex-ascii <yes|no> hex-ascii-link <yes|no> debug-pcap <value>

view-pcap follow <yes|no> link-header <yes|no> no-dns-lookup <yes|no> no-port-lookup <yes|no> no-qualification <yes|no> absolute-seq <yes|no> no-timestamp <yes|no> unformatted-timestamp <yes|no> delta <yes|no> timestamp <yes|no> undecoded-NFS <yes|no> verbose <yes|no> verbose+ <yes|no> verbose++ <yes|no> hex <yes|no> hex-link <yes|no> hex-ascii <yes|no> hex-ascii-link <yes|no> mgmt-pcap <value>

view-pcap follow <yes|no> link-header <yes|no> no-dns-lookup <yes|no> no-port-lookup <yes|no> no-qualification <yes|no> absolute-seq <yes|no> no-timestamp <yes|no> unformatted-timestamp <yes|no> delta <yes|no> timestamp <yes|no> undecoded-NFS <yes|no> verbose <yes|no> verbose+ <yes|no> verbose++ <yes|no> hex <yes|no> hex-link <yes|no> hex-ascii <yes|no> hex-ascii-link <yes|no> threat threat-pcap-id <value> search-time <value>

tcpdump snaplen <0-65535> filter <value>

diff config num-context-lines <0|1|5|10|20|all> partial shared-object <excluded> device-and-network <excluded> admin

diff config num-context-lines <0|1|5|10|20|all> partial shared-object <excluded> device-and-network <excluded> admin [<admin1> <admin2>...]

diff config num-context-lines <0|1|5|10|20|all> partial shared-object <excluded> device-and-network <excluded> no-vsyz

diff config num-context-lines <0|1|5|10|20|all> partial shared-object <excluded> device-and-network <excluded> vsys

diff config num-context-lines <0|1|5|10|20|all> partial shared-object <excluded> device-and-network <excluded> vsys [<vsys1> <vsys2>...]

find command keyword <value>

PAN-OS 10.1 Configure CLI Command Hierarchy

check pending-changes

check full-commit-required

check data-access-passwd system

save config to <value> partial shared-object <excluded> device-and-network <excluded> admin

save config to <value> partial shared-object <excluded> device-and-network <excluded> admin
[<admin1> <admin2>...]

save config to <value> partial shared-object <excluded> device-and-network <excluded> no-vsyz

save config to <value> partial shared-object <excluded> device-and-network <excluded> vsyz

save config to <value> partial shared-object <excluded> device-and-network <excluded> vsyz
[<vsyz1> <vsyz2>...]

save device-state

revert config skip-validate <yes|no> partial shared-object <excluded> device-and-network
<excluded> admin

revert config skip-validate <yes|no> partial shared-object <excluded> device-and-network
<excluded> admin [<admin1> <admin2>...]

revert config skip-validate <yes|no> partial shared-object <excluded> device-and-network
<excluded> no-vsyz

revert config skip-validate <yes|no> partial shared-object <excluded> device-and-network
<excluded> vsyz

revert config skip-validate <yes|no> partial shared-object <excluded> device-and-network
<excluded> vsyz [<vsyz1> <vsyz2>...]

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no> from
<value>

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no>
version <value>|<1-1048576>

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no> last-
saved

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no> partial
shared-objects <included> shared-policies <included> from <value> from-xpath <value> to-xpath
<value> mode <merge|replace|append> device-group

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no> partial
shared-objects <included> shared-policies <included> from <value> from-xpath <value> to-xpath
<value> mode <merge|replace|append> device-group [<device-group1> <device-group2>...]

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no> partial
shared-objects <included> shared-policies <included> from <value> from-xpath <value> to-xpath
<value> mode <merge|replace|append> template

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no> partial shared-objects <included> shared-policies <included> from <value> from-xpath <value> to-xpath <value> mode <merge|replace|append> template [<template1> <template2>...]

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no> partial shared-objects <included> shared-policies <included> from <value> from-xpath <value> to-xpath <value> mode <merge|replace|append> template-stack

load config key <value>|<default> regenerate-rule-uuid-all <yes|no> skip-validate <yes|no> partial shared-objects <included> shared-policies <included> from <value> from-xpath <value> to-xpath <value> mode <merge|replace|append> template-stack [<template-stack1> <template-stack2>...]

load device-state

commit description <value> force partial device-and-network <excluded> shared-object <excluded> admin

commit description <value> force partial device-and-network <excluded> shared-object <excluded> admin [<admin1> <admin2>...]

commit description <value> force partial device-and-network <excluded> shared-object <excluded> no-vsyt

commit description <value> force partial device-and-network <excluded> shared-object <excluded> vsyt

commit description <value> force partial device-and-network <excluded> shared-object <excluded> vsyt [<vsyt1> <vsyt2>...]

commit description <value> partial device-and-network <excluded> shared-object <excluded> admin

commit description <value> partial device-and-network <excluded> shared-object <excluded> admin [<admin1> <admin2>...]

commit description <value> partial device-and-network <excluded> shared-object <excluded> no-vsyt

commit description <value> partial device-and-network <excluded> shared-object <excluded> vsyt

commit description <value> partial device-and-network <excluded> shared-object <excluded> vsyt [<vsyt1> <vsyt2>...]

validate full

validate partial device-and-network <excluded> shared-object <excluded> admin

validate partial device-and-network <excluded> shared-object <excluded> admin [<admin1> <admin2>...]

validate partial device-and-network <excluded> shared-object <excluded> no-vsyt

validate partial device-and-network <excluded> shared-object <excluded> vsyt

validate partial device-and-network <excluded> shared-object <excluded> vsyt [<vsyt1> <vsyt2>...]

find command keyword <value>

```
show deviceconfig
show deviceconfig system
show deviceconfig system type
show deviceconfig system type
show deviceconfig system type static
show deviceconfig system type dhcp-client
show deviceconfig system dns-setting
show deviceconfig system dns-setting
show deviceconfig system dns-setting servers
show deviceconfig system panorama
show deviceconfig system panorama
show deviceconfig system panorama local-panorama
show deviceconfig system ntp-servers
show deviceconfig system ntp-servers primary-ntp-server
show deviceconfig system ntp-servers primary-ntp-server authentication-type
show deviceconfig system ntp-servers primary-ntp-server authentication-type none
show deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
show deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
algorithm
show deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
algorithm md5
show deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
algorithm sha1
show deviceconfig system ntp-servers primary-ntp-server authentication-type autokey
show deviceconfig system ntp-servers secondary-ntp-server
show deviceconfig system ntp-servers secondary-ntp-server authentication-type
show deviceconfig system ntp-servers secondary-ntp-server authentication-type none
show deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
show deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
algorithm
show deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
algorithm md5
show deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
algorithm sha1
show deviceconfig system ntp-servers secondary-ntp-server authentication-type autokey
```

```
show deviceconfig system hsm-settings
show deviceconfig system hsm-settings provider
show deviceconfig system hsm-settings provider
show deviceconfig system hsm-settings provider safenet-network
show deviceconfig system hsm-settings provider safenet-network hsm-server
show deviceconfig system hsm-settings provider safenet-network hsm-server <name>
show deviceconfig system hsm-settings provider safenet-network ha
show deviceconfig system hsm-settings provider ncipher-nshield-connect
show deviceconfig system hsm-settings provider ncipher-nshield-connect hsm-server
show deviceconfig system hsm-settings provider ncipher-nshield-connect hsm-server <name>
show deviceconfig system hsm-settings provider none
show deviceconfig system ssh
show deviceconfig system ssh profiles
show deviceconfig system ssh profiles ha-profiles
show deviceconfig system ssh profiles ha-profiles <name>
show deviceconfig system ssh profiles ha-profiles <name> default-hostkey
show deviceconfig system ssh profiles ha-profiles <name> default-hostkey key-type
show deviceconfig system ssh profiles ha-profiles <name> session-rekey
show deviceconfig system ssh profiles mgmt-profiles
show deviceconfig system ssh profiles mgmt-profiles server-profiles
show deviceconfig system ssh profiles mgmt-profiles server-profiles <name>
show deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey
show deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey key-type
show deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey key-type all
show deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey
show deviceconfig system ssh ha
show deviceconfig system ssh mgmt
show deviceconfig system ssh regenerate-hostkeys
show deviceconfig system ssh regenerate-hostkeys ha
show deviceconfig system ssh regenerate-hostkeys ha key-type
show deviceconfig system ssh regenerate-hostkeys ha key-type ECDSA
show deviceconfig system ssh regenerate-hostkeys ha key-type RSA
```

```
show deviceconfig system ssh regenerate-hostkeys mgmt
show deviceconfig system ssh regenerate-hostkeys mgmt key-type
show deviceconfig system ssh regenerate-hostkeys mgmt key-type ECDSA
show deviceconfig system ssh regenerate-hostkeys mgmt key-type RSA
show deviceconfig system device-telemetry
show deviceconfig system snmp-setting
show deviceconfig system snmp-setting snmp-system
show deviceconfig system snmp-setting access-setting
show deviceconfig system snmp-setting access-setting version
show deviceconfig system snmp-setting access-setting version v2c
show deviceconfig system snmp-setting access-setting version v3
show deviceconfig system snmp-setting access-setting version v3 views
show deviceconfig system snmp-setting access-setting version v3 views <name>
show deviceconfig system snmp-setting access-setting version v3 views <name> view
show deviceconfig system snmp-setting access-setting version v3 views <name> view <name>
show deviceconfig system snmp-setting access-setting version v3 users
show deviceconfig system snmp-setting access-setting version v3 users <name>
show deviceconfig system geo-location
show deviceconfig system service
show deviceconfig system permitted-ip
show deviceconfig system permitted-ip <name>
show deviceconfig system route
show deviceconfig system route service
show deviceconfig system route service <name>
show deviceconfig system route service <name> source
show deviceconfig system route service <name> source-v6
show deviceconfig system route destination
show deviceconfig system route destination <name>
show deviceconfig system route destination <name> source
show deviceconfig system log-link
show deviceconfig system log-link <name>
show deviceconfig system log-export-schedule
show deviceconfig system log-export-schedule <name>
```

```
show deviceconfig system log-export-schedule <name> protocol
show deviceconfig system log-export-schedule <name> protocol ftp
show deviceconfig system log-export-schedule <name> protocol scp
show deviceconfig system update-schedule
show deviceconfig system update-schedule statistics-service
show deviceconfig system update-schedule threats
show deviceconfig system update-schedule threats recurring
show deviceconfig system update-schedule threats recurring
show deviceconfig system update-schedule threats recurring none
show deviceconfig system update-schedule threats recurring every-30-mins
show deviceconfig system update-schedule threats recurring hourly
show deviceconfig system update-schedule threats recurring daily
show deviceconfig system update-schedule threats recurring weekly
show deviceconfig system update-schedule app-profile
show deviceconfig system update-schedule app-profile recurring
show deviceconfig system update-schedule app-profile recurring
show deviceconfig system update-schedule app-profile recurring none
show deviceconfig system update-schedule app-profile recurring daily
show deviceconfig system update-schedule app-profile recurring weekly
show deviceconfig system update-schedule anti-virus
show deviceconfig system update-schedule anti-virus recurring
show deviceconfig system update-schedule anti-virus recurring
show deviceconfig system update-schedule anti-virus recurring none
show deviceconfig system update-schedule anti-virus recurring hourly
show deviceconfig system update-schedule anti-virus recurring daily
show deviceconfig system update-schedule anti-virus recurring weekly
show deviceconfig system update-schedule wildfire
show deviceconfig system update-schedule wildfire recurring
show deviceconfig system update-schedule wildfire recurring
show deviceconfig system update-schedule wildfire recurring none
show deviceconfig system update-schedule wildfire recurring real-time
show deviceconfig system update-schedule wildfire recurring every-min
show deviceconfig system update-schedule wildfire recurring every-15-mins
```



```
show deviceconfig system update-schedule wildfire recurring every-30-mins
show deviceconfig system update-schedule wildfire recurring every-hour
show deviceconfig system update-schedule wf-private
show deviceconfig system update-schedule wf-private recurring
show deviceconfig system update-schedule wf-private recurring
show deviceconfig system update-schedule wf-private recurring none
show deviceconfig system update-schedule wf-private recurring every-5-mins
show deviceconfig system update-schedule wf-private recurring every-15-mins
show deviceconfig system update-schedule wf-private recurring every-30-mins
show deviceconfig system update-schedule wf-private recurring every-hour
show deviceconfig system update-schedule global-protect-clientless-vpn
show deviceconfig system update-schedule global-protect-clientless-vpn recurring
show deviceconfig system update-schedule global-protect-clientless-vpn recurring
show deviceconfig system update-schedule global-protect-clientless-vpn recurring none
show deviceconfig system update-schedule global-protect-clientless-vpn recurring hourly
show deviceconfig system update-schedule global-protect-clientless-vpn recurring daily
show deviceconfig system update-schedule global-protect-clientless-vpn recurring weekly
show deviceconfig system update-schedule global-protect-datafile
show deviceconfig system update-schedule global-protect-datafile recurring
show deviceconfig system update-schedule global-protect-datafile recurring
show deviceconfig system update-schedule global-protect-datafile recurring none
show deviceconfig system update-schedule global-protect-datafile recurring hourly
show deviceconfig system update-schedule global-protect-datafile recurring daily
show deviceconfig system update-schedule global-protect-datafile recurring weekly
show deviceconfig system motd-and-banner
show deviceconfig setting
show deviceconfig setting nat
show deviceconfig setting jumbo-frame
show deviceconfig setting icmpv6-rate-limit
show deviceconfig setting nat64
show deviceconfig setting packet
show deviceconfig setting util
show deviceconfig setting pan-url-db
```

```
show deviceconfig setting hawkeye
show deviceconfig setting global-protect
show deviceconfig setting l3-service
show deviceconfig setting captive-portal
show deviceconfig setting application
show deviceconfig setting application traceroute
show deviceconfig setting autofocus
show deviceconfig setting wildfire
show deviceconfig setting wildfire file-size-limit
show deviceconfig setting wildfire file-size-limit <name>
show deviceconfig setting wildfire session-info-select
show deviceconfig setting ctd
show deviceconfig setting ssl-decrypt
show deviceconfig setting session
show deviceconfig setting tcp
show deviceconfig setting zip
show deviceconfig setting http2
show deviceconfig setting pow
show deviceconfig setting config
show deviceconfig setting logging
show deviceconfig setting logging enhanced-application-logging
show deviceconfig setting logging enhanced-application-logging disable-application
show deviceconfig setting logging enhanced-application-logging disable-application <name>
show deviceconfig setting logging enhanced-application-logging disable-global
show deviceconfig setting logging enhanced-application-logging disable-global all
show deviceconfig setting logging enhanced-application-logging disable-global arp
show deviceconfig setting logging enhanced-application-logging disable-global non-syn-tcp
show deviceconfig setting logging enhanced-application-logging disable-global ext-traffic
show deviceconfig setting logging enhanced-application-logging disable-global hip-report
show deviceconfig setting logging logging-service-forwarding
show deviceconfig setting management
show deviceconfig setting management secure-conn-client
show deviceconfig setting management secure-conn-client certificate-type
```

```
show deviceconfig setting management secure-conn-client certificate-type
show deviceconfig setting management secure-conn-client certificate-type none
show deviceconfig setting management secure-conn-client certificate-type local
show deviceconfig setting management secure-conn-client certificate-type scep
show deviceconfig setting management secure-conn-server
show deviceconfig setting management quota-settings
show deviceconfig setting management quota-settings log-expiration-period
show deviceconfig setting management quota-settings disk-quota
show deviceconfig setting management common-criteria
show deviceconfig setting management common-criteria self-test-schedule
show deviceconfig setting management common-criteria self-test-schedule crypto
show deviceconfig setting management common-criteria self-test-schedule software-integrity
show deviceconfig setting management common-criteria
show deviceconfig setting management common-criteria self-test-schedule
show deviceconfig setting management common-criteria self-test-schedule crypto
show deviceconfig setting management common-criteria self-test-schedule software-integrity
show deviceconfig setting management common-criteria
show deviceconfig setting management api
show deviceconfig setting management api key
show deviceconfig setting management admin-lockout
show deviceconfig setting management admin-session
show deviceconfig setting management browse-activity-report-setting
show deviceconfig setting management device-monitoring
show deviceconfig setting management common-criteria-alarm-generation
show deviceconfig setting management common-criteria-alarm-generation security-policy-limits
show deviceconfig setting management common-criteria-alarm-generation rule-group-limits
show deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-threshold
show deviceconfig setting management audit-tracking
show deviceconfig setting logrcvr
show deviceconfig setting vpn
show deviceconfig setting vpn ikev2
show deviceconfig setting custom-logo
show deviceconfig setting custom-logo login-screen
```

```
show deviceconfig setting custom-logo main-ui
show deviceconfig setting custom-logo pdf-report-header
show deviceconfig setting custom-logo pdf-report-footer
show deviceconfig setting iot
show deviceconfig setting iot edge
show deviceconfig setting cloudapp
show deviceconfig setting cloudapp cloudapp-srvr-addr
show deviceconfig high-availability
show deviceconfig high-availability interface
show deviceconfig high-availability interface ha1
show deviceconfig high-availability interface ha1 encryption
show deviceconfig high-availability interface ha1-backup
show deviceconfig high-availability interface ha2
show deviceconfig high-availability interface ha2-backup
show deviceconfig high-availability interface ha3
show deviceconfig high-availability interface ha4
show deviceconfig high-availability interface ha4-backup
show deviceconfig high-availability cluster
show deviceconfig high-availability cluster cluster-members
show deviceconfig high-availability cluster cluster-members <name>
show deviceconfig high-availability group
show deviceconfig high-availability group election-option
show deviceconfig high-availability group election-option timers
show deviceconfig high-availability group election-option timers
show deviceconfig high-availability group election-option timers recommended
show deviceconfig high-availability group election-option timers aggressive
show deviceconfig high-availability group election-option timers advanced
show deviceconfig high-availability group state-synchronization
show deviceconfig high-availability group state-synchronization ha2-keep-alive
show deviceconfig high-availability group configuration-synchronization
show deviceconfig high-availability group mode
show deviceconfig high-availability group mode
show deviceconfig high-availability group mode active-passive
```

```
show deviceconfig high-availability group mode active-active
show deviceconfig high-availability group mode active-active network-configuration
show deviceconfig high-availability group mode active-active network-configuration sync
show deviceconfig high-availability group mode active-active virtual-address
show deviceconfig high-availability group mode active-active virtual-address <name>
show deviceconfig high-availability group mode active-active virtual-address <name> ip
show deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
show deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
show deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
floating
show deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
floating device-priority
show deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing
show deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing
show deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing ip-modulo
show deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing ip-hash
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
<name>
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
<name>
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
<name> floating
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
<name> floating device-priority
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
<name> arp-load-sharing
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
<name> arp-load-sharing
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
<name> arp-load-sharing ip-modulo
show deviceconfig high-availability group mode active-active virtual-address <name> ipv6
<name> arp-load-sharing ip-hash
show deviceconfig high-availability group mode active-active session-owner-selection
```

show deviceconfig high-availability group mode active-active session-owner-selection

show deviceconfig high-availability group mode active-active session-owner-selection primary-device

show deviceconfig high-availability group mode active-active session-owner-selection first-packet

show deviceconfig high-availability group mode active-active session-owner-selection first-packet session-setup

show deviceconfig high-availability group mode active-active session-owner-selection first-packet session-setup

show deviceconfig high-availability group mode active-active session-owner-selection first-packet session-setup primary-device

show deviceconfig high-availability group mode active-active session-owner-selection first-packet session-setup first-packet

show deviceconfig high-availability group mode active-active session-owner-selection first-packet session-setup ip-modulo

show deviceconfig high-availability group mode active-active session-owner-selection first-packet session-setup ip-hash

show deviceconfig high-availability group monitoring

show deviceconfig high-availability group monitoring path-monitoring

show deviceconfig high-availability group monitoring path-monitoring path-group

show deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire

show deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire <name>

show deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire <name> destination-ip-group

show deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire <name> destination-ip-group <name>

show deviceconfig high-availability group monitoring path-monitoring path-group vlan

show deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>

show deviceconfig high-availability group monitoring path-monitoring path-group vlan <name> destination-ip-group

show deviceconfig high-availability group monitoring path-monitoring path-group vlan <name> destination-ip-group <name>

show deviceconfig high-availability group monitoring path-monitoring path-group virtual-router

show deviceconfig high-availability group monitoring path-monitoring path-group virtual-router <name>

show deviceconfig high-availability group monitoring path-monitoring path-group virtual-router <name> destination-ip-group

```
show deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> destination-ip-group <name>

show deviceconfig high-availability group monitoring path-monitoring path-group logical-router

show deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name>

show deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> destination-ip-group

show deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> destination-ip-group <name>

show deviceconfig high-availability group monitoring link-monitoring

show deviceconfig high-availability group monitoring link-monitoring link-group

show deviceconfig high-availability group monitoring link-monitoring link-group <name>

show mgt-config

show mgt-config password-complexity

show mgt-config password-complexity password-change

show mgt-config password-profile

show mgt-config password-profile <name>

show mgt-config password-profile <name> password-change

show mgt-config users

show mgt-config users <name>

show mgt-config users <name> preferences

show mgt-config users <name> preferences saved-log-query

show mgt-config users <name> preferences saved-log-query unified

show mgt-config users <name> preferences saved-log-query unified <name>

show mgt-config users <name> preferences saved-log-query traffic

show mgt-config users <name> preferences saved-log-query traffic <name>

show mgt-config users <name> preferences saved-log-query threat

show mgt-config users <name> preferences saved-log-query threat <name>

show mgt-config users <name> preferences saved-log-query url

show mgt-config users <name> preferences saved-log-query url <name>

show mgt-config users <name> preferences saved-log-query data

show mgt-config users <name> preferences saved-log-query data <name>

show mgt-config users <name> preferences saved-log-query config

show mgt-config users <name> preferences saved-log-query config <name>

show mgt-config users <name> preferences saved-log-query system
```

```
show mgt-config users <name> preferences saved-log-query system <name>
show mgt-config users <name> preferences saved-log-query wildfire
show mgt-config users <name> preferences saved-log-query wildfire <name>
show mgt-config users <name> preferences saved-log-query hipmatch
show mgt-config users <name> preferences saved-log-query hipmatch <name>
show mgt-config users <name> preferences saved-log-query corr
show mgt-config users <name> preferences saved-log-query corr <name>
show mgt-config users <name> preferences saved-log-query tunnel
show mgt-config users <name> preferences saved-log-query tunnel <name>
show mgt-config users <name> preferences saved-log-query userid
show mgt-config users <name> preferences saved-log-query userid <name>
show mgt-config users <name> preferences saved-log-query auth
show mgt-config users <name> preferences saved-log-query auth <name>
show mgt-config users <name> preferences saved-log-query globalprotect
show mgt-config users <name> preferences saved-log-query globalprotect <name>
show mgt-config users <name> preferences saved-log-query alarm
show mgt-config users <name> preferences saved-log-query alarm <name>
show mgt-config users <name> preferences saved-log-query decryption
show mgt-config users <name> preferences saved-log-query decryption <name>
show mgt-config users <name> permissions
show mgt-config users <name> permissions role-based
show mgt-config users <name> permissions role-based vsysreader
show mgt-config users <name> permissions role-based vsysreader <name>
show mgt-config users <name> permissions role-based vsysadmin
show mgt-config users <name> permissions role-based vsysadmin <name>
show mgt-config users <name> permissions role-based custom
show mgt-config access-domain
show mgt-config access-domain <name>
show network
show network profiles
show network profiles monitor-profile
show network profiles monitor-profile <name>
show network profiles interface-management-profile
```



```
show network profiles interface-management-profile <name>
show network profiles interface-management-profile <name> permitted-ip
show network profiles interface-management-profile <name> permitted-ip <name>
show network profiles zone-protection-profile
show network profiles zone-protection-profile <name>
show network profiles zone-protection-profile <name> scan
show network profiles zone-protection-profile <name> scan <name>
show network profiles zone-protection-profile <name> scan <name> action
show network profiles zone-protection-profile <name> scan <name> action allow
show network profiles zone-protection-profile <name> scan <name> action alert
show network profiles zone-protection-profile <name> scan <name> action block
show network profiles zone-protection-profile <name> scan <name> action block-ip
show network profiles zone-protection-profile <name> scan-white-list
show network profiles zone-protection-profile <name> scan-white-list <name>
show network profiles zone-protection-profile <name> scan-white-list <name>
show network profiles zone-protection-profile <name> flood
show network profiles zone-protection-profile <name> flood tcp-syn
show network profiles zone-protection-profile <name> flood tcp-syn
show network profiles zone-protection-profile <name> flood tcp-syn red
show network profiles zone-protection-profile <name> flood tcp-syn syn-cookies
show network profiles zone-protection-profile <name> flood udp
show network profiles zone-protection-profile <name> flood udp red
show network profiles zone-protection-profile <name> flood icmp
show network profiles zone-protection-profile <name> flood icmp red
show network profiles zone-protection-profile <name> flood icmpv6
show network profiles zone-protection-profile <name> flood icmpv6 red
show network profiles zone-protection-profile <name> flood other-ip
show network profiles zone-protection-profile <name> flood other-ip red
show network profiles zone-protection-profile <name> ipv6
show network profiles zone-protection-profile <name> ipv6 filter-ext-hdr
show network profiles zone-protection-profile <name> ipv6 ignore-inv-pkt
show network profiles zone-protection-profile <name> non-ip-protocol
show network profiles zone-protection-profile <name> non-ip-protocol protocol
```

```
show network profiles zone-protection-profile <name> non-ip-protocol protocol <name>
show network profiles zone-protection-profile <name> l2-sec-group-tag-protection
show network profiles zone-protection-profile <name> l2-sec-group-tag-protection tags
show network profiles zone-protection-profile <name> l2-sec-group-tag-protection tags <name>
show network profiles lldp-profile
show network profiles lldp-profile <name>
show network profiles lldp-profile <name> option-tlvs
show network profiles lldp-profile <name> option-tlvs management-address
show network profiles lldp-profile <name> option-tlvs management-address iplist
show network profiles lldp-profile <name> option-tlvs management-address iplist <name>
show network profiles lldp-profile <name> option-tlvs management-address iplist <name>
show network profiles bfd-profile
show network profiles bfd-profile <name>
show network profiles bfd-profile <name> multihop
show network interface
show network interface ethernet
show network interface ethernet <name>
show network interface ethernet <name>
show network interface ethernet <name> tap
show network interface ethernet <name> ha
show network interface ethernet <name> decrypt-mirror
show network interface ethernet <name> virtual-wire
show network interface ethernet <name> virtual-wire units
show network interface ethernet <name> virtual-wire units <name>
show network interface ethernet <name> virtual-wire lldp
show network interface ethernet <name> virtual-wire lldp high-availability
show network interface ethernet <name> virtual-wire lacp
show network interface ethernet <name> virtual-wire lacp high-availability
show network interface ethernet <name> layer2
show network interface ethernet <name> layer2 units
show network interface ethernet <name> layer2 units <name>
show network interface ethernet <name> layer2 lldp
show network interface ethernet <name> layer2 lldp high-availability
```

```
show network interface ethernet <name> layer3
show network interface ethernet <name> layer3 bonjour
show network interface ethernet <name> layer3 adjust-tcp-mss
show network interface ethernet <name> layer3 ip
show network interface ethernet <name> layer3 ip <name>
show network interface ethernet <name> layer3 ipv6
show network interface ethernet <name> layer3 ipv6 address
show network interface ethernet <name> layer3 ipv6 address <name>
show network interface ethernet <name> layer3 ipv6 address <name> prefix
show network interface ethernet <name> layer3 ipv6 address <name> anycast
show network interface ethernet <name> layer3 ipv6 address <name> advertise
show network interface ethernet <name> layer3 ipv6 neighbor-discovery
show network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
show network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
dns-support
show network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
dns-support server
show network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
dns-support server <name>
show network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
dns-support suffix
show network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
dns-support suffix <name>
show network interface ethernet <name> layer3 ipv6 neighbor-discovery neighbor
show network interface ethernet <name> layer3 ipv6 neighbor-discovery neighbor <name>
show network interface ethernet <name> layer3 pppoe
show network interface ethernet <name> layer3 pppoe static-address
show network interface ethernet <name> layer3 pppoe passive
show network interface ethernet <name> layer3 dhcp-client
show network interface ethernet <name> layer3 dhcp-client send-hostname
show network interface ethernet <name> layer3 ddns-config
show network interface ethernet <name> layer3 ddns-config ddns-vendor-config
show network interface ethernet <name> layer3 ddns-config ddns-vendor-config <name>
show network interface ethernet <name> layer3 arp
show network interface ethernet <name> layer3 arp <name>
```

```
show network interface ethernet <name> layer3 ndp-proxy
show network interface ethernet <name> layer3 ndp-proxy address
show network interface ethernet <name> layer3 ndp-proxy address <name>
show network interface ethernet <name> layer3 sdwan-link-settings
show network interface ethernet <name> layer3 sdwan-link-settings upstream-nat
show network interface ethernet <name> layer3 sdwan-link-settings upstream-nat
show network interface ethernet <name> layer3 sdwan-link-settings upstream-nat static-ip
show network interface ethernet <name> layer3 sdwan-link-settings upstream-nat static-ip
show network interface ethernet <name> layer3 sdwan-link-settings upstream-nat ddns
show network interface ethernet <name> layer3 units
show network interface ethernet <name> layer3 units <name>
show network interface ethernet <name> layer3 units <name> sdwan-link-settings
show network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
show network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
show network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
static-ip
show network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
static-ip
show network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
ddns
show network interface ethernet <name> layer3 units <name> bonjour
show network interface ethernet <name> layer3 units <name> adjust-tcp-mss
show network interface ethernet <name> layer3 units <name> ip
show network interface ethernet <name> layer3 units <name> ip <name>
show network interface ethernet <name> layer3 units <name> ipv6
show network interface ethernet <name> layer3 units <name> ipv6 address
show network interface ethernet <name> layer3 units <name> ipv6 address <name>
show network interface ethernet <name> layer3 units <name> ipv6 address <name> prefix
show network interface ethernet <name> layer3 units <name> ipv6 address <name> anycast
show network interface ethernet <name> layer3 units <name> ipv6 address <name> advertise
show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery
show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-
advertisement
show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-
advertisement dns-support
```

show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support server

show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support server <name>

show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix

show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix <name>

show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor

show network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor <name>

show network interface ethernet <name> layer3 units <name> arp

show network interface ethernet <name> layer3 units <name> arp <name>

show network interface ethernet <name> layer3 units <name> ndp-proxy

show network interface ethernet <name> layer3 units <name> ndp-proxy address

show network interface ethernet <name> layer3 units <name> ndp-proxy address <name>

show network interface ethernet <name> layer3 units <name> dhcp-client

show network interface ethernet <name> layer3 units <name> dhcp-client send-hostname

show network interface ethernet <name> layer3 units <name> ddns-config

show network interface ethernet <name> layer3 units <name> ddns-config ddns-vendor-config

show network interface ethernet <name> layer3 units <name> ddns-config ddns-vendor-config <name>

show network interface ethernet <name> layer3 lldp

show network interface ethernet <name> layer3 lldp high-availability

show network interface ethernet <name> lacp

show network interface aggregate-ethernet

show network interface aggregate-ethernet <name>

show network interface aggregate-ethernet <name>

show network interface aggregate-ethernet <name> ha

show network interface aggregate-ethernet <name> ha lacp

show network interface aggregate-ethernet <name> decrypt-mirror

show network interface aggregate-ethernet <name> virtual-wire

show network interface aggregate-ethernet <name> virtual-wire units

show network interface aggregate-ethernet <name> virtual-wire units <name>

show network interface aggregate-ethernet <name> virtual-wire lldp

```
show network interface aggregate-ethernet <name> virtual-wire lldp high-availability
show network interface aggregate-ethernet <name> layer2
show network interface aggregate-ethernet <name> layer2 units
show network interface aggregate-ethernet <name> layer2 units <name>
show network interface aggregate-ethernet <name> layer2 lacp
show network interface aggregate-ethernet <name> layer2 lacp high-availability
show network interface aggregate-ethernet <name> layer2 lacp high-availability use-same-
system-mac
show network interface aggregate-ethernet <name> layer2 lldp
show network interface aggregate-ethernet <name> layer2 lldp high-availability
show network interface aggregate-ethernet <name> layer3
show network interface aggregate-ethernet <name> layer3 bonjour
show network interface aggregate-ethernet <name> layer3 adjust-tcp-mss
show network interface aggregate-ethernet <name> layer3 ip
show network interface aggregate-ethernet <name> layer3 ip <name>
show network interface aggregate-ethernet <name> layer3 ipv6
show network interface aggregate-ethernet <name> layer3 ipv6 address
show network interface aggregate-ethernet <name> layer3 ipv6 address <name>
show network interface aggregate-ethernet <name> layer3 ipv6 address <name> prefix
show network interface aggregate-ethernet <name> layer3 ipv6 address <name> anycast
show network interface aggregate-ethernet <name> layer3 ipv6 address <name> advertise
show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery
show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement
show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support
show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support server
show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support server <name>
show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support suffix
show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support suffix <name>
show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery neighbor
```

show network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery neighbor <name>

show network interface aggregate-ethernet <name> layer3 lacp

show network interface aggregate-ethernet <name> layer3 lacp high-availability

show network interface aggregate-ethernet <name> layer3 lacp high-availability use-same-system-mac

show network interface aggregate-ethernet <name> layer3 lldp

show network interface aggregate-ethernet <name> layer3 lldp high-availability

show network interface aggregate-ethernet <name> layer3 arp

show network interface aggregate-ethernet <name> layer3 arp <name>

show network interface aggregate-ethernet <name> layer3 ndp-proxy

show network interface aggregate-ethernet <name> layer3 ndp-proxy address

show network interface aggregate-ethernet <name> layer3 ndp-proxy address <name>

show network interface aggregate-ethernet <name> layer3 dhcp-client

show network interface aggregate-ethernet <name> layer3 dhcp-client send-hostname

show network interface aggregate-ethernet <name> layer3 ddns-config

show network interface aggregate-ethernet <name> layer3 ddns-config ddns-vendor-config

show network interface aggregate-ethernet <name> layer3 ddns-config ddns-vendor-config <name>

show network interface aggregate-ethernet <name> layer3 sdwan-link-settings

show network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat

show network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat

show network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat static-ip

show network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat static-ip

show network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat ddns

show network interface aggregate-ethernet <name> layer3 units

show network interface aggregate-ethernet <name> layer3 units <name>

show network interface aggregate-ethernet <name> layer3 units <name> bonjour

show network interface aggregate-ethernet <name> layer3 units <name> adjust-tcp-mss

show network interface aggregate-ethernet <name> layer3 units <name> ip

show network interface aggregate-ethernet <name> layer3 units <name> ip <name>

show network interface aggregate-ethernet <name> layer3 units <name> ipv6

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 address

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name> prefix

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name> anycast

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name> advertise

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support server

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support server <name>

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix <name>

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor

show network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor <name>

show network interface aggregate-ethernet <name> layer3 units <name> arp

show network interface aggregate-ethernet <name> layer3 units <name> arp <name>

show network interface aggregate-ethernet <name> layer3 units <name> ndp-proxy

show network interface aggregate-ethernet <name> layer3 units <name> ndp-proxy address

show network interface aggregate-ethernet <name> layer3 units <name> ndp-proxy address <name>

show network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings

show network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat

show network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat

show network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat static-ip

show network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat static-ip

show network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat ddns

show network interface aggregate-ethernet <name> layer3 units <name> dhcp-client

show network interface aggregate-ethernet <name> layer3 units <name> dhcp-client send-hostname

show network interface aggregate-ethernet <name> layer3 units <name> ddns-config

show network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-vendor-config

show network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-vendor-config <name>

show network interface vlan

show network interface vlan adjust-tcp-mss

show network interface vlan ip

show network interface vlan ip <name>

show network interface vlan ipv6

show network interface vlan ipv6 address

show network interface vlan ipv6 address <name>

show network interface vlan ipv6 address <name> prefix

show network interface vlan ipv6 address <name> anycast

show network interface vlan ipv6 address <name> advertise

show network interface vlan ipv6 neighbor-discovery

show network interface vlan ipv6 neighbor-discovery router-advertisement

show network interface vlan ipv6 neighbor-discovery router-advertisement dns-support

show network interface vlan ipv6 neighbor-discovery router-advertisement dns-support server

show network interface vlan ipv6 neighbor-discovery router-advertisement dns-support server <name>

show network interface vlan ipv6 neighbor-discovery router-advertisement dns-support suffix

show network interface vlan ipv6 neighbor-discovery router-advertisement dns-support suffix <name>

show network interface vlan ipv6 neighbor-discovery neighbor

show network interface vlan ipv6 neighbor-discovery neighbor <name>

show network interface vlan arp

show network interface vlan arp <name>

show network interface vlan ndp-proxy

show network interface vlan ndp-proxy address
show network interface vlan ndp-proxy address <name>
show network interface vlan dhcp-client
show network interface vlan dhcp-client send-hostname
show network interface vlan ddns-config
show network interface vlan ddns-config ddns-vendor-config
show network interface vlan ddns-config ddns-vendor-config <name>
show network interface vlan units
show network interface vlan units <name>
show network interface vlan units <name> adjust-tcp-mss
show network interface vlan units <name> ip
show network interface vlan units <name> ip <name>
show network interface vlan units <name> ipv6
show network interface vlan units <name> ipv6 address
show network interface vlan units <name> ipv6 address <name>
show network interface vlan units <name> ipv6 address <name> prefix
show network interface vlan units <name> ipv6 address <name> anycast
show network interface vlan units <name> ipv6 address <name> advertise
show network interface vlan units <name> ipv6 neighbor-discovery
show network interface vlan units <name> ipv6 neighbor-discovery router-advertisement
show network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-support
show network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-support server
show network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-support server <name>
show network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix
show network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix <name>
show network interface vlan units <name> ipv6 neighbor-discovery neighbor
show network interface vlan units <name> ipv6 neighbor-discovery neighbor <name>
show network interface vlan units <name> arp
show network interface vlan units <name> arp <name>
show network interface vlan units <name> ndp-proxy

```
show network interface vlan units <name> ndp-proxy address
show network interface vlan units <name> ndp-proxy address <name>
show network interface vlan units <name> dhcp-client
show network interface vlan units <name> dhcp-client send-hostname
show network interface vlan units <name> ddns-config
show network interface vlan units <name> ddns-config ddns-vendor-config
show network interface vlan units <name> ddns-config ddns-vendor-config <name>
show network interface loopback
show network interface loopback adjust-tcp-mss
show network interface loopback ip
show network interface loopback ip <name>
show network interface loopback ipv6
show network interface loopback ipv6 address
show network interface loopback ipv6 address <name>
show network interface loopback ipv6 address <name> prefix
show network interface loopback ipv6 address <name> anycast
show network interface loopback units
show network interface loopback units <name>
show network interface loopback units <name> adjust-tcp-mss
show network interface loopback units <name> ip
show network interface loopback units <name> ip <name>
show network interface loopback units <name> ipv6
show network interface loopback units <name> ipv6 address
show network interface loopback units <name> ipv6 address <name>
show network interface loopback units <name> ipv6 address <name> prefix
show network interface loopback units <name> ipv6 address <name> anycast
show network interface tunnel
show network interface tunnel ip
show network interface tunnel ip <name>
show network interface tunnel ipv6
show network interface tunnel ipv6 address
show network interface tunnel ipv6 address <name>
show network interface tunnel ipv6 address <name> prefix
```

```
show network interface tunnel ipv6 address <name> anycast
show network interface tunnel units
show network interface tunnel units <name>
show network interface tunnel units <name> ip
show network interface tunnel units <name> ip <name>
show network interface tunnel units <name> ipv6
show network interface tunnel units <name> ipv6 address
show network interface tunnel units <name> ipv6 address <name>
show network interface tunnel units <name> ipv6 address <name> prefix
show network interface tunnel units <name> ipv6 address <name> anycast
show network interface sdwan
show network interface sdwan units
show network interface sdwan units <name>
show network ike
show network ike gateway
show network ike gateway <name>
show network ike gateway <name> peer-address
show network ike gateway <name> peer-address dynamic
show network ike gateway <name> local-address
show network ike gateway <name> local-address
show network ike gateway <name> peer-id
show network ike gateway <name> local-id
show network ike gateway <name> authentication
show network ike gateway <name> authentication pre-shared-key
show network ike gateway <name> authentication certificate
show network ike gateway <name> authentication certificate local-certificate
show network ike gateway <name> authentication certificate local-certificate hash-and-url
show network ike gateway <name> protocol
show network ike gateway <name> protocol ikev1
show network ike gateway <name> protocol ikev1 dpd
show network ike gateway <name> protocol ikev2
show network ike gateway <name> protocol ikev2 dpd
show network ike gateway <name> protocol-common
```

```
show network ike gateway <name> protocol-common nat-traversal
show network ike gateway <name> protocol-common fragmentation
show network ike crypto-profiles
show network ike crypto-profiles ike-crypto-profiles
show network ike crypto-profiles ike-crypto-profiles <name>
show network ike crypto-profiles ike-crypto-profiles <name> lifetime
show network ike crypto-profiles ipsec-crypto-profiles
show network ike crypto-profiles ipsec-crypto-profiles <name>
show network ike crypto-profiles ipsec-crypto-profiles <name>
show network ike crypto-profiles ipsec-crypto-profiles <name> esp
show network ike crypto-profiles ipsec-crypto-profiles <name> ah
show network ike crypto-profiles ipsec-crypto-profiles <name> lifetime
show network ike crypto-profiles ipsec-crypto-profiles <name> lifesize
show network ike crypto-profiles global-protect-app-crypto-profiles
show network ike crypto-profiles global-protect-app-crypto-profiles <name>
show network tunnel
show network tunnel gre
show network tunnel gre <name>
show network tunnel gre <name> local-address
show network tunnel gre <name> local-address
show network tunnel gre <name> peer-address
show network tunnel gre <name> keep-alive
show network tunnel ipsec
show network tunnel ipsec <name>
show network tunnel ipsec <name> tunnel-monitor
show network tunnel ipsec <name>
show network tunnel ipsec <name> auto-key
show network tunnel ipsec <name> auto-key ike-gateway
show network tunnel ipsec <name> auto-key ike-gateway <name>
show network tunnel ipsec <name> auto-key proxy-id
show network tunnel ipsec <name> auto-key proxy-id <name>
show network tunnel ipsec <name> auto-key proxy-id <name> protocol
show network tunnel ipsec <name> auto-key proxy-id <name> protocol any
```

```
show network tunnel ipsec <name> auto-key proxy-id <name> protocol tcp
show network tunnel ipsec <name> auto-key proxy-id <name> protocol udp
show network tunnel ipsec <name> auto-key proxy-id-v6
show network tunnel ipsec <name> auto-key proxy-id-v6 <name>
show network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol
show network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol any
show network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol tcp
show network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol udp
show network tunnel ipsec <name> manual-key
show network tunnel ipsec <name> manual-key peer-address
show network tunnel ipsec <name> manual-key local-address
show network tunnel ipsec <name> manual-key local-address
show network tunnel ipsec <name> manual-key
show network tunnel ipsec <name> manual-key esp
show network tunnel ipsec <name> manual-key esp authentication
show network tunnel ipsec <name> manual-key esp authentication
show network tunnel ipsec <name> manual-key esp authentication md5
show network tunnel ipsec <name> manual-key esp authentication sha1
show network tunnel ipsec <name> manual-key esp authentication sha256
show network tunnel ipsec <name> manual-key esp authentication sha384
show network tunnel ipsec <name> manual-key esp authentication sha512
show network tunnel ipsec <name> manual-key esp authentication none
show network tunnel ipsec <name> manual-key esp encryption
show network tunnel ipsec <name> manual-key ah
show network tunnel ipsec <name> manual-key ah
show network tunnel ipsec <name> manual-key ah md5
show network tunnel ipsec <name> manual-key ah sha1
show network tunnel ipsec <name> manual-key ah sha256
show network tunnel ipsec <name> manual-key ah sha384
show network tunnel ipsec <name> manual-key ah sha512
show network tunnel ipsec <name> global-protect-satellite
show network tunnel ipsec <name> global-protect-satellite local-address
show network tunnel ipsec <name> global-protect-satellite local-address
```

```
show network tunnel ipsec <name> global-protect-satellite local-address ip
show network tunnel ipsec <name> global-protect-satellite local-address floating-ip
show network tunnel ipsec <name> global-protect-satellite publish-connected-routes
show network tunnel ipsec <name> global-protect-satellite external-ca
show network tunnel global-protect-gateway
show network tunnel global-protect-gateway <name>
show network tunnel global-protect-gateway <name> local-address
show network tunnel global-protect-gateway <name> local-address
show network tunnel global-protect-gateway <name> local-address ip
show network tunnel global-protect-gateway <name> local-address floating-ip
show network tunnel global-protect-gateway <name> ipsec
show network tunnel global-protect-gateway <name> ipsec third-party-client
show network tunnel global-protect-gateway <name> client
show network tunnel global-protect-gateway <name> client inheritance
show network tunnel global-protect-gateway <name> client dns-server
show network tunnel global-protect-gateway <name> client wins-server
show network tunnel global-protect-gateway <name> client exclude-video-traffic
show network tunnel global-protect-site-to-site
show network tunnel global-protect-site-to-site <name>
show network tunnel global-protect-site-to-site <name> local-address
show network tunnel global-protect-site-to-site <name> local-address
show network tunnel global-protect-site-to-site <name> local-address ip
show network tunnel global-protect-site-to-site <name> local-address floating-ip
show network tunnel global-protect-site-to-site <name> client
show network tunnel global-protect-site-to-site <name> client inheritance
show network tunnel global-protect-site-to-site <name> client dns-server
show network tunnel global-protect-site-to-site <name> client split-tunneling
show network tunnel global-protect-site-to-site <name> client tunnel-monitor
show network vlan
show network vlan <name>
show network vlan <name> mac
show network vlan <name> mac <name>
show network vlan <name> virtual-interface
```

show network qos
show network qos profile
show network qos profile <name>
show network qos profile <name> aggregate-bandwidth
show network qos profile <name> class-bandwidth-type
show network qos profile <name> class-bandwidth-type mbps
show network qos profile <name> class-bandwidth-type mbps class
show network qos profile <name> class-bandwidth-type mbps class <name>
show network qos profile <name> class-bandwidth-type mbps class <name> class-bandwidth
show network qos profile <name> class-bandwidth-type percentage
show network qos profile <name> class-bandwidth-type percentage class
show network qos profile <name> class-bandwidth-type percentage class <name>
show network qos profile <name> class-bandwidth-type percentage class <name> class-bandwidth
show network qos interface
show network qos interface <name>
show network qos interface <name> interface-bandwidth
show network qos interface <name> tunnel-traffic
show network qos interface <name> tunnel-traffic groups
show network qos interface <name> tunnel-traffic groups <name>
show network qos interface <name> tunnel-traffic groups <name> members
show network qos interface <name> tunnel-traffic groups <name> members <name>
show network qos interface <name> tunnel-traffic default-group
show network qos interface <name> tunnel-traffic bandwidth
show network qos interface <name> regular-traffic
show network qos interface <name> regular-traffic groups
show network qos interface <name> regular-traffic groups <name>
show network qos interface <name> regular-traffic groups <name> members
show network qos interface <name> regular-traffic groups <name> members <name>
show network qos interface <name> regular-traffic groups <name> members <name> match
show network qos interface <name> regular-traffic groups <name> members <name> match local-address
show network qos interface <name> regular-traffic default-group
show network qos interface <name> regular-traffic bandwidth


```
show network virtual-wire
show network virtual-wire <name>
show network virtual-wire <name> multicast-firewalling
show network virtual-wire <name> link-state-pass-through
show network virtual-router
show network virtual-router <name>
show network virtual-router <name> routing-table
show network virtual-router <name> routing-table ip
show network virtual-router <name> routing-table ip static-route
show network virtual-router <name> routing-table ip static-route <name>
show network virtual-router <name> routing-table ip static-route <name> nexthop
show network virtual-router <name> routing-table ip static-route <name> nexthop discard
show network virtual-router <name> routing-table ip static-route <name> route-table
show network virtual-router <name> routing-table ip static-route <name> route-table
show network virtual-router <name> routing-table ip static-route <name> route-table unicast
show network virtual-router <name> routing-table ip static-route <name> route-table multicast
show network virtual-router <name> routing-table ip static-route <name> route-table both
show network virtual-router <name> routing-table ip static-route <name> route-table no-install
show network virtual-router <name> routing-table ip static-route <name> bfd
show network virtual-router <name> routing-table ip static-route <name> path-monitor
show network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations
show network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations <name>
show network virtual-router <name> routing-table ipv6
show network virtual-router <name> routing-table ipv6 static-route
show network virtual-router <name> routing-table ipv6 static-route <name>
show network virtual-router <name> routing-table ipv6 static-route <name> nexthop
show network virtual-router <name> routing-table ipv6 static-route <name> nexthop discard
show network virtual-router <name> routing-table ipv6 static-route <name> route-table
show network virtual-router <name> routing-table ipv6 static-route <name> route-table
show network virtual-router <name> routing-table ipv6 static-route <name> route-table unicast
show network virtual-router <name> routing-table ipv6 static-route <name> route-table no-install
show network virtual-router <name> routing-table ipv6 static-route <name> bfd
```

show network virtual-router <name> routing-table ipv6 static-route <name> path-monitor
show network virtual-router <name> routing-table ipv6 static-route <name> path-monitor
monitor-destinations
show network virtual-router <name> routing-table ipv6 static-route <name> path-monitor
monitor-destinations <name>
show network virtual-router <name> multicast
show network virtual-router <name> multicast interface-group
show network virtual-router <name> multicast interface-group <name>
show network virtual-router <name> multicast interface-group <name> group-permission
show network virtual-router <name> multicast interface-group <name> group-permission any-
source-multicast
show network virtual-router <name> multicast interface-group <name> group-permission any-
source-multicast <name>
show network virtual-router <name> multicast interface-group <name> group-permission source-
specific-multicast
show network virtual-router <name> multicast interface-group <name> group-permission source-
specific-multicast <name>
show network virtual-router <name> multicast interface-group <name> igmp
show network virtual-router <name> multicast interface-group <name> pim
show network virtual-router <name> multicast interface-group <name> pim allowed-neighbors
show network virtual-router <name> multicast interface-group <name> pim allowed-neighbors
<name>
show network virtual-router <name> multicast ssm-address-space
show network virtual-router <name> multicast ssm-address-space <name>
show network virtual-router <name> multicast spt-threshold
show network virtual-router <name> multicast spt-threshold <name>
show network virtual-router <name> multicast rp
show network virtual-router <name> multicast rp local-rp
show network virtual-router <name> multicast rp local-rp
show network virtual-router <name> multicast rp local-rp static-rp
show network virtual-router <name> multicast rp local-rp candidate-rp
show network virtual-router <name> multicast rp external-rp
show network virtual-router <name> multicast rp external-rp <name>
show network virtual-router <name> protocol
show network virtual-router <name> protocol redistrib-profile
show network virtual-router <name> protocol redistrib-profile <name>

```
show network virtual-router <name> protocol redist-profile <name> filter
show network virtual-router <name> protocol redist-profile <name> filter ospf
show network virtual-router <name> protocol redist-profile <name> filter bgp
show network virtual-router <name> protocol redist-profile <name> action
show network virtual-router <name> protocol redist-profile <name> action no-redist
show network virtual-router <name> protocol redist-profile <name> action redist
show network virtual-router <name> protocol redist-profile-ipv6
show network virtual-router <name> protocol redist-profile-ipv6 <name>
show network virtual-router <name> protocol redist-profile-ipv6 <name> filter
show network virtual-router <name> protocol redist-profile-ipv6 <name> filter ospfv3
show network virtual-router <name> protocol redist-profile-ipv6 <name> filter bgp
show network virtual-router <name> protocol redist-profile-ipv6 <name> action
show network virtual-router <name> protocol redist-profile-ipv6 <name> action no-redist
show network virtual-router <name> protocol redist-profile-ipv6 <name> action redist
show network virtual-router <name> protocol rip
show network virtual-router <name> protocol rip timers
show network virtual-router <name> protocol rip auth-profile
show network virtual-router <name> protocol rip auth-profile <name>
show network virtual-router <name> protocol rip auth-profile <name>
show network virtual-router <name> protocol rip auth-profile <name> md5
show network virtual-router <name> protocol rip auth-profile <name> md5 <name>
show network virtual-router <name> protocol rip global-bfd
show network virtual-router <name> protocol rip interface
show network virtual-router <name> protocol rip interface <name>
show network virtual-router <name> protocol rip interface <name> default-route
show network virtual-router <name> protocol rip interface <name> default-route disable
show network virtual-router <name> protocol rip interface <name> default-route advertise
show network virtual-router <name> protocol rip interface <name> bfd
show network virtual-router <name> protocol rip export-rules
show network virtual-router <name> protocol rip export-rules <name>
show network virtual-router <name> protocol ospf
show network virtual-router <name> protocol ospf timers
show network virtual-router <name> protocol ospf auth-profile
```

show network virtual-router <name> protocol ospf auth-profile <name>
show network virtual-router <name> protocol ospf auth-profile <name>
show network virtual-router <name> protocol ospf auth-profile <name> md5
show network virtual-router <name> protocol ospf auth-profile <name> md5 <name>
show network virtual-router <name> protocol ospf global-bfd
show network virtual-router <name> protocol ospf area
show network virtual-router <name> protocol ospf area <name>
show network virtual-router <name> protocol ospf area <name> type
show network virtual-router <name> protocol ospf area <name> type normal
show network virtual-router <name> protocol ospf area <name> type stub
show network virtual-router <name> protocol ospf area <name> type stub default-route
show network virtual-router <name> protocol ospf area <name> type stub default-route disable
show network virtual-router <name> protocol ospf area <name> type stub default-route advertise
show network virtual-router <name> protocol ospf area <name> type nssa
show network virtual-router <name> protocol ospf area <name> type nssa default-route
show network virtual-router <name> protocol ospf area <name> type nssa default-route disable
show network virtual-router <name> protocol ospf area <name> type nssa default-route
advertise
show network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range
show network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range
<name>
show network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range
<name>
show network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range
<name> advertise
show network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range
<name> suppress
show network virtual-router <name> protocol ospf area <name> range
show network virtual-router <name> protocol ospf area <name> range <name>
show network virtual-router <name> protocol ospf area <name> range <name>
show network virtual-router <name> protocol ospf area <name> range <name> advertise
show network virtual-router <name> protocol ospf area <name> range <name> suppress
show network virtual-router <name> protocol ospf area <name> interface
show network virtual-router <name> protocol ospf area <name> interface <name>
show network virtual-router <name> protocol ospf area <name> interface <name> link-type

show network virtual-router <name> protocol ospf area <name> interface <name> link-type broadcast

show network virtual-router <name> protocol ospf area <name> interface <name> link-type p2p

show network virtual-router <name> protocol ospf area <name> interface <name> link-type p2mp

show network virtual-router <name> protocol ospf area <name> interface <name> neighbor

show network virtual-router <name> protocol ospf area <name> interface <name> neighbor <name>

show network virtual-router <name> protocol ospf area <name> interface <name> bfd

show network virtual-router <name> protocol ospf area <name> virtual-link

show network virtual-router <name> protocol ospf area <name> virtual-link <name>

show network virtual-router <name> protocol ospf area <name> virtual-link <name> bfd

show network virtual-router <name> protocol ospf export-rules

show network virtual-router <name> protocol ospf export-rules <name>

show network virtual-router <name> protocol ospf graceful-restart

show network virtual-router <name> protocol ospfv3

show network virtual-router <name> protocol ospfv3 timers

show network virtual-router <name> protocol ospfv3 auth-profile

show network virtual-router <name> protocol ospfv3 auth-profile <name>

show network virtual-router <name> protocol ospfv3 auth-profile <name>

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication md5

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication sha1

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication sha256

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication sha384

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication sha512

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication none

show network virtual-router <name> protocol ospfv3 auth-profile <name> esp encryption

```

show network virtual-router <name> protocol ospfv3 auth-profile <name> ah
show network virtual-router <name> protocol ospfv3 auth-profile <name> ah
show network virtual-router <name> protocol ospfv3 auth-profile <name> ah md5
show network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha1
show network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha256
show network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha384
show network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha512
show network virtual-router <name> protocol ospfv3 global-bfd
show network virtual-router <name> protocol ospfv3 area
show network virtual-router <name> protocol ospfv3 area <name>
show network virtual-router <name> protocol ospfv3 area <name> type
show network virtual-router <name> protocol ospfv3 area <name> type normal
show network virtual-router <name> protocol ospfv3 area <name> type stub
show network virtual-router <name> protocol ospfv3 area <name> type stub default-route
show network virtual-router <name> protocol ospfv3 area <name> type stub default-route
disable
show network virtual-router <name> protocol ospfv3 area <name> type stub default-route
advertise
show network virtual-router <name> protocol ospfv3 area <name> type nssa
show network virtual-router <name> protocol ospfv3 area <name> type nssa default-route
show network virtual-router <name> protocol ospfv3 area <name> type nssa default-route
disable
show network virtual-router <name> protocol ospfv3 area <name> type nssa default-route
advertise
show network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
show network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
<name>
show network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
<name>
show network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
<name> advertise
show network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
<name> suppress
show network virtual-router <name> protocol ospfv3 area <name> range
show network virtual-router <name> protocol ospfv3 area <name> range <name>
show network virtual-router <name> protocol ospfv3 area <name> range <name>

```

show network virtual-router <name> protocol ospfv3 area <name> range <name> advertise
show network virtual-router <name> protocol ospfv3 area <name> range <name> suppress
show network virtual-router <name> protocol ospfv3 area <name> interface
show network virtual-router <name> protocol ospfv3 area <name> interface <name>
show network virtual-router <name> protocol ospfv3 area <name> interface <name> link-type
show network virtual-router <name> protocol ospfv3 area <name> interface <name> link-type
broadcast
show network virtual-router <name> protocol ospfv3 area <name> interface <name> link-type
p2p
show network virtual-router <name> protocol ospfv3 area <name> interface <name> link-type
p2mp
show network virtual-router <name> protocol ospfv3 area <name> interface <name> neighbor
show network virtual-router <name> protocol ospfv3 area <name> interface <name> neighbor
<name>
show network virtual-router <name> protocol ospfv3 area <name> interface <name> bfd
show network virtual-router <name> protocol ospfv3 area <name> virtual-link
show network virtual-router <name> protocol ospfv3 area <name> virtual-link <name>
show network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> bfd
show network virtual-router <name> protocol ospfv3 export-rules
show network virtual-router <name> protocol ospfv3 export-rules <name>
show network virtual-router <name> protocol ospfv3 graceful-restart
show network virtual-router <name> protocol bgp
show network virtual-router <name> protocol bgp routing-options
show network virtual-router <name> protocol bgp routing-options med
show network virtual-router <name> protocol bgp routing-options graceful-restart
show network virtual-router <name> protocol bgp routing-options aggregate
show network virtual-router <name> protocol bgp auth-profile
show network virtual-router <name> protocol bgp auth-profile <name>
show network virtual-router <name> protocol bgp dampening-profile
show network virtual-router <name> protocol bgp dampening-profile <name>
show network virtual-router <name> protocol bgp global-bfd
show network virtual-router <name> protocol bgp peer-group
show network virtual-router <name> protocol bgp peer-group <name>
show network virtual-router <name> protocol bgp peer-group <name> type
show network virtual-router <name> protocol bgp peer-group <name> type ibgp

```
show network virtual-router <name> protocol bgp peer-group <name> type ebgp-confed
show network virtual-router <name> protocol bgp peer-group <name> type ibgp-confed
show network virtual-router <name> protocol bgp peer-group <name> type ebgp
show network virtual-router <name> protocol bgp peer-group <name> peer
show network virtual-router <name> protocol bgp peer-group <name> peer <name>
show network virtual-router <name> protocol bgp peer-group <name> peer <name> subsequent-
address-family-identifier
show network virtual-router <name> protocol bgp peer-group <name> peer <name> local-
address
show network virtual-router <name> protocol bgp peer-group <name> peer <name> peer-
address
show network virtual-router <name> protocol bgp peer-group <name> peer <name> peer-
address
show network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options
show network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options incoming-bgp-connection
show network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options outgoing-bgp-connection
show network virtual-router <name> protocol bgp peer-group <name> peer <name> bfd
show network virtual-router <name> protocol bgp policy
show network virtual-router <name> protocol bgp policy import
show network virtual-router <name> protocol bgp policy import rules
show network virtual-router <name> protocol bgp policy import rules <name>
show network virtual-router <name> protocol bgp policy import rules <name> match
show network virtual-router <name> protocol bgp policy import rules <name> match address-
prefix
show network virtual-router <name> protocol bgp policy import rules <name> match address-
prefix <name>
show network virtual-router <name> protocol bgp policy import rules <name> match as-path
show network virtual-router <name> protocol bgp policy import rules <name> match as-path
show network virtual-router <name> protocol bgp policy import rules <name> match community
show network virtual-router <name> protocol bgp policy import rules <name> match community
show network virtual-router <name> protocol bgp policy import rules <name> match extended-
community
show network virtual-router <name> protocol bgp policy import rules <name> match extended-
community
```


show network virtual-router <name> protocol bgp policy import rules <name> action

show network virtual-router <name> protocol bgp policy import rules <name> action

show network virtual-router <name> protocol bgp policy import rules <name> action deny

show network virtual-router <name> protocol bgp policy import rules <name> action allow

show network virtual-router <name> protocol bgp policy import rules <name> action allow update

show network virtual-router <name> protocol bgp policy import rules <name> action allow update as-path

show network virtual-router <name> protocol bgp policy import rules <name> action allow update as-path

show network virtual-router <name> protocol bgp policy import rules <name> action allow update as-path none

show network virtual-router <name> protocol bgp policy import rules <name> action allow update as-path remove

show network virtual-router <name> protocol bgp policy import rules <name> action allow update community

show network virtual-router <name> protocol bgp policy import rules <name> action allow update community

show network virtual-router <name> protocol bgp policy import rules <name> action allow update community none

show network virtual-router <name> protocol bgp policy import rules <name> action allow update community remove-all

show network virtual-router <name> protocol bgp policy import rules <name> action allow update extended-community

show network virtual-router <name> protocol bgp policy import rules <name> action allow update extended-community

show network virtual-router <name> protocol bgp policy import rules <name> action allow update extended-community none

show network virtual-router <name> protocol bgp policy import rules <name> action allow update extended-community remove-all

show network virtual-router <name> protocol bgp policy export

show network virtual-router <name> protocol bgp policy export rules

show network virtual-router <name> protocol bgp policy export rules <name>

show network virtual-router <name> protocol bgp policy export rules <name> match

show network virtual-router <name> protocol bgp policy export rules <name> match address-prefix

show network virtual-router <name> protocol bgp policy export rules <name> match address-prefix <name>

show network virtual-router <name> protocol bgp policy export rules <name> match as-path

show network virtual-router <name> protocol bgp policy export rules <name> match as-path

show network virtual-router <name> protocol bgp policy export rules <name> match community

show network virtual-router <name> protocol bgp policy export rules <name> match community

show network virtual-router <name> protocol bgp policy export rules <name> match extended-community

show network virtual-router <name> protocol bgp policy export rules <name> match extended-community

show network virtual-router <name> protocol bgp policy export rules <name> action

show network virtual-router <name> protocol bgp policy export rules <name> action

show network virtual-router <name> protocol bgp policy export rules <name> action deny

show network virtual-router <name> protocol bgp policy export rules <name> action allow

show network virtual-router <name> protocol bgp policy export rules <name> action allow update

show network virtual-router <name> protocol bgp policy export rules <name> action allow update as-path

show network virtual-router <name> protocol bgp policy export rules <name> action allow update as-path

show network virtual-router <name> protocol bgp policy export rules <name> action allow update as-path none

show network virtual-router <name> protocol bgp policy export rules <name> action allow update as-path remove

show network virtual-router <name> protocol bgp policy export rules <name> action allow update community

show network virtual-router <name> protocol bgp policy export rules <name> action allow update community

show network virtual-router <name> protocol bgp policy export rules <name> action allow update community none

show network virtual-router <name> protocol bgp policy export rules <name> action allow update community remove-all

show network virtual-router <name> protocol bgp policy export rules <name> action allow update extended-community

show network virtual-router <name> protocol bgp policy export rules <name> action allow update extended-community

show network virtual-router <name> protocol bgp policy export rules <name> action allow update extended-community none

show network virtual-router <name> protocol bgp policy export rules <name> action allow update extended-community remove-all

```
show network virtual-router <name> protocol bgp policy conditional-advertisement
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name>
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name>
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match address-prefix
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match address-prefix <name>
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match as-path
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match as-path
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match community
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match community
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match extended-community
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> non-exist-filters <name> match extended-community
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name>
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match address-prefix
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match address-prefix <name>
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match as-path
show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match as-path
```

show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match community

show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match community

show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match extended-community

show network virtual-router <name> protocol bgp policy conditional-advertisement policy
<name> advertise-filters <name> match extended-community

show network virtual-router <name> protocol bgp policy aggregation

show network virtual-router <name> protocol bgp policy aggregation address

show network virtual-router <name> protocol bgp policy aggregation address <name>

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes as-path

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes as-path

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes as-path none

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes community

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes community

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes community none

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes community remove-all

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community none

show network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community remove-all

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name>

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match address-prefix

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match address-prefix <name>

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match as-path

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match as-path

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match community

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match community

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match extended-community

show network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match extended-community

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name>

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match address-prefix

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match address-prefix <name>

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match as-path

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match as-path

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match community

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match community

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match extended-community

show network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match extended-community

```

show network virtual-router <name> protocol bgp redist-rules
show network virtual-router <name> protocol bgp redist-rules <name>
show network virtual-router <name> admin-dists
show network virtual-router <name> ecmp
show network virtual-router <name> ecmp algorithm
show network virtual-router <name> ecmp algorithm
show network virtual-router <name> ecmp algorithm ip-modulo
show network virtual-router <name> ecmp algorithm ip-hash
show network virtual-router <name> ecmp algorithm weighted-round-robin
show network virtual-router <name> ecmp algorithm weighted-round-robin interface
show network virtual-router <name> ecmp algorithm weighted-round-robin interface <name>
show network virtual-router <name> ecmp algorithm balanced-round-robin
show network logical-router
show network logical-router <name>
show network logical-router <name> vrf
show network logical-router <name> vrf <name>
show network logical-router <name> vrf <name> bgp
show network logical-router <name> vrf <name> bgp med
show network logical-router <name> vrf <name> bgp graceful-restart
show network logical-router <name> vrf <name> bgp peer-group
show network logical-router <name> vrf <name> bgp peer-group <name>
show network logical-router <name> vrf <name> bgp peer-group <name> type
show network logical-router <name> vrf <name> bgp peer-group <name> type ibgp
show network logical-router <name> vrf <name> bgp peer-group <name> type ebgp
show network logical-router <name> vrf <name> bgp peer-group <name> address-family
show network logical-router <name> vrf <name> bgp peer-group <name> address-family ipv4
show network logical-router <name> vrf <name> bgp peer-group <name> address-family ipv6
show network logical-router <name> vrf <name> bgp peer-group <name> connection-options
show network logical-router <name> vrf <name> bgp peer-group <name> peer
show network logical-router <name> vrf <name> bgp peer-group <name> peer <name>
show network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-
family
show network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-
family ipv4

```

show network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-family ipv6

show network logical-router <name> vrf <name> bgp peer-group <name> peer <name> local-address

show network logical-router <name> vrf <name> bgp peer-group <name> peer <name> peer-address

show network logical-router <name> vrf <name> bgp peer-group <name> peer <name> peer-address

show network logical-router <name> vrf <name> bgp peer-group <name> peer <name> connection-options

show network logical-router <name> vrf <name> bgp redistribution-rule

show network logical-router <name> vrf <name> bgp redistribution-rule ipv4

show network logical-router <name> vrf <name> bgp redistribution-rule ipv6

show network logical-router <name> vrf <name> bgp address-family-identifier

show network logical-router <name> vrf <name> bgp address-family-identifier ipv4

show network logical-router <name> vrf <name> bgp address-family-identifier ipv4 network <name>

show network logical-router <name> vrf <name> bgp address-family-identifier ipv4 network <name>

show network logical-router <name> vrf <name> bgp address-family-identifier ipv6

show network logical-router <name> vrf <name> bgp address-family-identifier ipv6 network <name>

show network logical-router <name> vrf <name> bgp address-family-identifier ipv6 network <name>

show network logical-router <name> vrf <name> routing-table

show network logical-router <name> vrf <name> routing-table ip

show network logical-router <name> vrf <name> routing-table ip static-route

show network logical-router <name> vrf <name> routing-table ip static-route <name>

show network logical-router <name> vrf <name> routing-table ip static-route <name> nexthop

show network logical-router <name> vrf <name> routing-table ip static-route <name> nexthop discard

show network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor

show network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor monitor-destinations

show network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor monitor-destinations <name>

show network logical-router <name> vrf <name> routing-table ipv6

show network logical-router <name> vrf <name> routing-table ipv6 static-route

show network logical-router <name> vrf <name> routing-table ipv6 static-route <name>
show network logical-router <name> vrf <name> routing-table ipv6 static-route <name> nexthop
show network logical-router <name> vrf <name> routing-table ipv6 static-route <name> nexthop
discard
show network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-
monitor
show network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-
monitor monitor-destinations
show network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-
monitor monitor-destinations <name>
show network logical-router <name> vrf <name> ecmp
show network logical-router <name> vrf <name> ecmp algorithm
show network logical-router <name> vrf <name> ecmp algorithm
show network logical-router <name> vrf <name> ecmp algorithm ip-modulo
show network logical-router <name> vrf <name> ecmp algorithm ip-hash
show network logical-router <name> vrf <name> ecmp algorithm weighted-round-robin
show network logical-router <name> vrf <name> ecmp algorithm weighted-round-robin interface
show network logical-router <name> vrf <name> ecmp algorithm weighted-round-robin interface
<name>
show network logical-router <name> vrf <name> ecmp algorithm balanced-round-robin
show network routing-profile
show network routing-profile bgp
show network routing-profile bgp auth-profile
show network routing-profile bgp auth-profile <name>
show network routing-profile bgp timer-profile
show network routing-profile bgp timer-profile <name>
show network routing-profile bgp address-family-profile
show network routing-profile bgp address-family-profile <name>
show network routing-profile bgp address-family-profile <name>
show network routing-profile bgp address-family-profile <name> ipv4
show network routing-profile bgp address-family-profile <name> ipv4
show network routing-profile bgp address-family-profile <name> ipv4 unicast
show network routing-profile bgp address-family-profile <name> ipv4 unicast add-path
show network routing-profile bgp address-family-profile <name> ipv4 unicast allowas-in
show network routing-profile bgp address-family-profile <name> ipv4 unicast allowas-in

show network routing-profile bgp address-family-profile <name> ipv4 unicast allowas-in origin

show network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix

show network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix action

show network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix action

show network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix action warning-only

show network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix action restart

show network routing-profile bgp address-family-profile <name> ipv4 unicast next-hop

show network routing-profile bgp address-family-profile <name> ipv4 unicast next-hop

show network routing-profile bgp address-family-profile <name> ipv4 unicast next-hop self

show network routing-profile bgp address-family-profile <name> ipv4 unicast next-hop self-force

show network routing-profile bgp address-family-profile <name> ipv4 unicast remove-private-AS

show network routing-profile bgp address-family-profile <name> ipv4 unicast remove-private-AS

show network routing-profile bgp address-family-profile <name> ipv4 unicast remove-private-AS all

show network routing-profile bgp address-family-profile <name> ipv4 unicast remove-private-AS replace-AS

show network routing-profile bgp address-family-profile <name> ipv4 unicast send-community

show network routing-profile bgp address-family-profile <name> ipv4 unicast send-community

show network routing-profile bgp address-family-profile <name> ipv4 unicast send-community all

show network routing-profile bgp address-family-profile <name> ipv4 unicast send-community both

show network routing-profile bgp address-family-profile <name> ipv4 unicast send-community extended

show network routing-profile bgp address-family-profile <name> ipv4 unicast send-community large

show network routing-profile bgp address-family-profile <name> ipv4 unicast send-community standard

show network routing-profile bgp address-family-profile <name> ipv6

show network routing-profile bgp address-family-profile <name> ipv6

show network routing-profile bgp address-family-profile <name> ipv6 unicast

show network routing-profile bgp address-family-profile <name> ipv6 unicast add-path

show network routing-profile bgp address-family-profile <name> ipv6 unicast allowas-in

show network routing-profile bgp address-family-profile <name> ipv6 unicast allowas-in

show network routing-profile bgp address-family-profile <name> ipv6 unicast allowas-in origin

show network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix

show network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix action

show network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix action

show network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix action warning-only

show network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix action restart

show network routing-profile bgp address-family-profile <name> ipv6 unicast next-hop

show network routing-profile bgp address-family-profile <name> ipv6 unicast next-hop

show network routing-profile bgp address-family-profile <name> ipv6 unicast next-hop self

show network routing-profile bgp address-family-profile <name> ipv6 unicast next-hop self-force

show network routing-profile bgp address-family-profile <name> ipv6 unicast remove-private-AS

show network routing-profile bgp address-family-profile <name> ipv6 unicast remove-private-AS

show network routing-profile bgp address-family-profile <name> ipv6 unicast remove-private-AS all

show network routing-profile bgp address-family-profile <name> ipv6 unicast remove-private-AS replace-AS

show network routing-profile bgp address-family-profile <name> ipv6 unicast send-community

show network routing-profile bgp address-family-profile <name> ipv6 unicast send-community

show network routing-profile bgp address-family-profile <name> ipv6 unicast send-community all

show network routing-profile bgp address-family-profile <name> ipv6 unicast send-community both

show network routing-profile bgp address-family-profile <name> ipv6 unicast send-community extended

show network routing-profile bgp address-family-profile <name> ipv6 unicast send-community large

show network routing-profile bgp address-family-profile <name> ipv6 unicast send-community standard

show network routing-profile bgp redistribution-profile

show network routing-profile bgp redistribution-profile <name>

show network routing-profile bgp redistribution-profile <name>

show network routing-profile bgp redistribution-profile <name> ipv4

show network routing-profile bgp redistribution-profile <name> ipv4

show network routing-profile bgp redistribution-profile <name> ipv4 unicast

```
show network routing-profile bgp redistribution-profile <name> ipv4 unicast static
show network routing-profile bgp redistribution-profile <name> ipv4 unicast connected
show network routing-profile bgp redistribution-profile <name> ipv6
show network routing-profile bgp redistribution-profile <name> ipv6
show network routing-profile bgp redistribution-profile <name> ipv6 unicast
show network routing-profile bgp redistribution-profile <name> ipv6 unicast static
show network routing-profile bgp redistribution-profile <name> ipv6 unicast connected
show network dns-proxy
show network dns-proxy <name>
show network dns-proxy <name> default
show network dns-proxy <name> default inheritance
show network dns-proxy <name> domain-servers
show network dns-proxy <name> domain-servers <name>
show network dns-proxy <name> cache
show network dns-proxy <name> cache max-ttl
show network dns-proxy <name> static-entries
show network dns-proxy <name> static-entries <name>
show network dns-proxy <name> tcp-queries
show network dns-proxy <name> udp-queries
show network dns-proxy <name> udp-queries retries
show network dhcp
show network dhcp interface
show network dhcp interface <name>
show network dhcp interface <name> server
show network dhcp interface <name> server option
show network dhcp interface <name> server option lease
show network dhcp interface <name> server option lease unlimited
show network dhcp interface <name> server option inheritance
show network dhcp interface <name> server option dns
show network dhcp interface <name> server option wins
show network dhcp interface <name> server option nis
show network dhcp interface <name> server option ntp
show network dhcp interface <name> server option user-defined
```

```
show network dhcp interface <name> server option user-defined <name>
show network dhcp interface <name> server option user-defined <name>
show network dhcp interface <name> server reserved
show network dhcp interface <name> server reserved <name>
show network dhcp interface <name> relay
show network dhcp interface <name> relay ip
show network dhcp interface <name> relay ipv6
show network dhcp interface <name> relay ipv6 server
show network dhcp interface <name> relay ipv6 server <name>
show network shared-gateway
show network shared-gateway <name>
show network shared-gateway <name> import
show network shared-gateway <name> import network
show network shared-gateway <name> zone
show network shared-gateway <name> zone <name>
show network shared-gateway <name> zone <name> network
show network shared-gateway <name> zone <name> network
show network shared-gateway <name> zone <name> user-acl
show network shared-gateway <name> address
show network shared-gateway <name> address <name>
show network shared-gateway <name> address <name>
show network shared-gateway <name> address-group
show network shared-gateway <name> address-group <name>
show network shared-gateway <name> address-group <name>
show network shared-gateway <name> address-group <name> dynamic
show network shared-gateway <name> service
show network shared-gateway <name> service <name>
show network shared-gateway <name> service <name> protocol
show network shared-gateway <name> service <name> protocol tcp
show network shared-gateway <name> service <name> protocol tcp override
show network shared-gateway <name> service <name> protocol tcp override no
show network shared-gateway <name> service <name> protocol tcp override yes
show network shared-gateway <name> service <name> protocol udp
```

show network shared-gateway <name> service <name> protocol udp override
show network shared-gateway <name> service <name> protocol udp override no
show network shared-gateway <name> service <name> protocol udp override yes
show network shared-gateway <name> service-group
show network shared-gateway <name> service-group <name>
show network shared-gateway <name> tag
show network shared-gateway <name> tag <name>
show network shared-gateway <name> log-settings
show network shared-gateway <name> log-settings snmptrap
show network shared-gateway <name> log-settings snmptrap <name>
show network shared-gateway <name> log-settings snmptrap <name> version
show network shared-gateway <name> log-settings snmptrap <name> version v2c
show network shared-gateway <name> log-settings snmptrap <name> version v2c server
show network shared-gateway <name> log-settings snmptrap <name> version v2c server
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show network shared-gateway <name> log-settings snmptrap <name> version v3
show network shared-gateway <name> log-settings snmptrap <name> version v3 server
show network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
show network shared-gateway <name> log-settings email
show network shared-gateway <name> log-settings email <name>
show network shared-gateway <name> log-settings email <name> server
show network shared-gateway <name> log-settings email <name> server <name>
show network shared-gateway <name> log-settings email <name> format
show network shared-gateway <name> log-settings email <name> format escaping
show network shared-gateway <name> log-settings syslog
show network shared-gateway <name> log-settings syslog <name>
show network shared-gateway <name> log-settings syslog <name> server
show network shared-gateway <name> log-settings syslog <name> server <name>
show network shared-gateway <name> log-settings syslog <name> format
show network shared-gateway <name> log-settings syslog <name> format escaping
show network shared-gateway <name> log-settings http
show network shared-gateway <name> log-settings http <name>
show network shared-gateway <name> log-settings http <name> server
show network shared-gateway <name> log-settings http <name> server <name>

```
show network shared-gateway <name> log-settings http <name> format
show network shared-gateway <name> log-settings http <name> format config
show network shared-gateway <name> log-settings http <name> format config headers
show network shared-gateway <name> log-settings http <name> format config headers <name>
show network shared-gateway <name> log-settings http <name> format config params
show network shared-gateway <name> log-settings http <name> format config params <name>
show network shared-gateway <name> log-settings http <name> format system
show network shared-gateway <name> log-settings http <name> format system headers
show network shared-gateway <name> log-settings http <name> format system headers <name>
show network shared-gateway <name> log-settings http <name> format system params
show network shared-gateway <name> log-settings http <name> format system params <name>
show network shared-gateway <name> log-settings http <name> format traffic
show network shared-gateway <name> log-settings http <name> format traffic headers
show network shared-gateway <name> log-settings http <name> format traffic headers <name>
show network shared-gateway <name> log-settings http <name> format traffic params
show network shared-gateway <name> log-settings http <name> format traffic params <name>
show network shared-gateway <name> log-settings http <name> format threat
show network shared-gateway <name> log-settings http <name> format threat headers
show network shared-gateway <name> log-settings http <name> format threat headers <name>
show network shared-gateway <name> log-settings http <name> format threat params
show network shared-gateway <name> log-settings http <name> format threat params <name>
show network shared-gateway <name> log-settings http <name> format wildfire
show network shared-gateway <name> log-settings http <name> format wildfire headers
show network shared-gateway <name> log-settings http <name> format wildfire headers <name>
show network shared-gateway <name> log-settings http <name> format wildfire params
show network shared-gateway <name> log-settings http <name> format wildfire params <name>
show network shared-gateway <name> log-settings http <name> format url
show network shared-gateway <name> log-settings http <name> format url headers
show network shared-gateway <name> log-settings http <name> format url headers <name>
show network shared-gateway <name> log-settings http <name> format url params
show network shared-gateway <name> log-settings http <name> format url params <name>
show network shared-gateway <name> log-settings http <name> format data
show network shared-gateway <name> log-settings http <name> format data headers
```

```

show network shared-gateway <name> log-settings http <name> format data headers <name>
show network shared-gateway <name> log-settings http <name> format data params
show network shared-gateway <name> log-settings http <name> format data params <name>
show network shared-gateway <name> log-settings http <name> format tunnel
show network shared-gateway <name> log-settings http <name> format tunnel headers
show network shared-gateway <name> log-settings http <name> format tunnel headers <name>
show network shared-gateway <name> log-settings http <name> format tunnel params
show network shared-gateway <name> log-settings http <name> format tunnel params <name>
show network shared-gateway <name> log-settings http <name> format auth
show network shared-gateway <name> log-settings http <name> format auth headers
show network shared-gateway <name> log-settings http <name> format auth headers <name>
show network shared-gateway <name> log-settings http <name> format auth params
show network shared-gateway <name> log-settings http <name> format auth params <name>
show network shared-gateway <name> log-settings http <name> format userid
show network shared-gateway <name> log-settings http <name> format userid headers
show network shared-gateway <name> log-settings http <name> format userid headers <name>
show network shared-gateway <name> log-settings http <name> format userid params
show network shared-gateway <name> log-settings http <name> format userid params <name>
show network shared-gateway <name> log-settings http <name> format iptag
show network shared-gateway <name> log-settings http <name> format iptag headers
show network shared-gateway <name> log-settings http <name> format iptag headers <name>
show network shared-gateway <name> log-settings http <name> format iptag params
show network shared-gateway <name> log-settings http <name> format iptag params <name>
show network shared-gateway <name> log-settings http <name> format decryption
show network shared-gateway <name> log-settings http <name> format decryption headers
show network shared-gateway <name> log-settings http <name> format decryption headers
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show network shared-gateway <name> log-settings http <name> format decryption params
show network shared-gateway <name> log-settings http <name> format decryption params
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show network shared-gateway <name> log-settings http <name> format globalprotect
show network shared-gateway <name> log-settings http <name> format globalprotect headers
show network shared-gateway <name> log-settings http <name> format globalprotect headers
<name>

```

```
show network shared-gateway <name> log-settings http <name> format globalprotect params
show network shared-gateway <name> log-settings http <name> format globalprotect params
<name>
show network shared-gateway <name> log-settings http <name> format hip-match
show network shared-gateway <name> log-settings http <name> format hip-match headers
show network shared-gateway <name> log-settings http <name> format hip-match headers
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show network shared-gateway <name> log-settings http <name> format hip-match params
show network shared-gateway <name> log-settings http <name> format hip-match params
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show network shared-gateway <name> log-settings http <name> format correlation
show network shared-gateway <name> log-settings http <name> format correlation headers
show network shared-gateway <name> log-settings http <name> format correlation headers
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show network shared-gateway <name> log-settings http <name> format correlation params
show network shared-gateway <name> log-settings http <name> format correlation params
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show network shared-gateway <name> log-settings profiles
show network shared-gateway <name> log-settings profiles <name>
show network shared-gateway <name> log-settings profiles <name> match-list
show network shared-gateway <name> log-settings profiles <name> match-list <name>
show network shared-gateway <name> log-settings profiles <name> match-list <name> actions
show network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name>
show network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type
show network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging
show network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration
show network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration localhost
show network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration panorama
show network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration remote
show network shared-gateway <name> rulebase
```



```
show network shared-gateway <name> rulebase nat
show network shared-gateway <name> rulebase nat rules
show network shared-gateway <name> rulebase nat rules <name>
show network shared-gateway <name> rulebase nat rules <name> source-translation
show network shared-gateway <name> rulebase nat rules <name> source-translation
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port interface-address
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port interface-address
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback interface-address
show network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback interface-address
show network shared-gateway <name> rulebase nat rules <name> source-translation static-ip
show network shared-gateway <name> rulebase nat rules <name>
show network shared-gateway <name> rulebase nat rules <name> destination-translation
show network shared-gateway <name> rulebase nat rules <name> destination-translation
show network shared-gateway <name> rulebase nat rules <name> destination-translation dns-
rewrite
show network shared-gateway <name> rulebase nat rules <name> dynamic-destination-
translation
show network shared-gateway <name> rulebase pbf
show network shared-gateway <name> rulebase pbf rules
show network shared-gateway <name> rulebase pbf rules <name>
show network shared-gateway <name> rulebase pbf rules <name> from
show network shared-gateway <name> rulebase pbf rules <name> from
show network shared-gateway <name> rulebase pbf rules <name> action
show network shared-gateway <name> rulebase pbf rules <name> action
```

show network shared-gateway <name> rulebase pbf rules <name> action forward
show network shared-gateway <name> rulebase pbf rules <name> action forward nexthop
show network shared-gateway <name> rulebase pbf rules <name> action forward nexthop
show network shared-gateway <name> rulebase pbf rules <name> action forward monitor
show network shared-gateway <name> rulebase pbf rules <name> action discard
show network shared-gateway <name> rulebase pbf rules <name> action no-pbf
show network shared-gateway <name> rulebase pbf rules <name> enforce-symmetric-return
show network shared-gateway <name> rulebase pbf rules <name> enforce-symmetric-return
nexthop-address-list
show network shared-gateway <name> rulebase pbf rules <name> enforce-symmetric-return
nexthop-address-list <name>
show network shared-gateway <name> rulebase sdwan
show network shared-gateway <name> rulebase sdwan rules
show network shared-gateway <name> rulebase sdwan rules <name>
show network shared-gateway <name> rulebase sdwan rules <name> action
show network shared-gateway <name> rulebase network-packet-broker
show network shared-gateway <name> rulebase network-packet-broker rules
show network shared-gateway <name> rulebase network-packet-broker rules <name>
show network shared-gateway <name> rulebase network-packet-broker rules <name> traffic-
type
show network shared-gateway <name> rulebase network-packet-broker rules <name> action
show network lldp
show network underlay-net
show network underlay-net ip-mapping
show network underlay-net ip-mapping <name>
show shared
show shared address
show shared address <name>
show shared address <name>
show shared address-group
show shared address-group <name>
show shared address-group <name>
show shared address-group <name> dynamic
show shared application

show shared application <name>
show shared application <name> default
show shared application <name> default ident-by-icmp-type
show shared application <name> default ident-by-icmp6-type
show shared application <name> signature
show shared application <name> signature <name>
show shared application <name> signature <name> and-condition
show shared application <name> signature <name> and-condition <name>
show shared application <name> signature <name> and-condition <name> or-condition
show shared application <name> signature <name> and-condition <name> or-condition <name>
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match qualifier
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match qualifier <name>
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than qualifier
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than qualifier <name>
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than qualifier
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than qualifier <name>
show shared application <name> signature <name> and-condition <name> or-condition <name>
operator equal-to
show shared application-filter
show shared application-filter <name>
show shared application-filter <name> tagging
show shared application-group
show shared application-group <name>

```
show shared service
show shared service <name>
show shared service <name> protocol
show shared service <name> protocol tcp
show shared service <name> protocol tcp override
show shared service <name> protocol tcp override no
show shared service <name> protocol tcp override yes
show shared service <name> protocol udp
show shared service <name> protocol udp override
show shared service <name> protocol udp override no
show shared service <name> protocol udp override yes
show shared service-group
show shared service-group <name>
show shared device-object
show shared device-object <name>
show shared profiles
show shared profiles hip-objects
show shared profiles hip-objects <name>
show shared profiles hip-objects <name> host-info
show shared profiles hip-objects <name> host-info criteria
show shared profiles hip-objects <name> host-info criteria domain
show shared profiles hip-objects <name> host-info criteria domain
show shared profiles hip-objects <name> host-info criteria os
show shared profiles hip-objects <name> host-info criteria os
show shared profiles hip-objects <name> host-info criteria os contains
show shared profiles hip-objects <name> host-info criteria os contains
show shared profiles hip-objects <name> host-info criteria client-version
show shared profiles hip-objects <name> host-info criteria client-version
show shared profiles hip-objects <name> host-info criteria host-name
show shared profiles hip-objects <name> host-info criteria host-name
show shared profiles hip-objects <name> host-info criteria host-id
show shared profiles hip-objects <name> host-info criteria host-id
show shared profiles hip-objects <name> host-info criteria serial-number
```

show shared profiles hip-objects <name> host-info criteria serial-number
show shared profiles hip-objects <name> network-info
show shared profiles hip-objects <name> network-info criteria
show shared profiles hip-objects <name> network-info criteria network
show shared profiles hip-objects <name> network-info criteria network is
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show shared profiles hip-objects <name> anti-malware criteria product-version not-within
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show shared profiles hip-objects <name> anti-malware criteria last-scan-time within
show shared profiles hip-objects <name> anti-malware criteria last-scan-time not-within
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show shared profiles hip-objects <name> mobile-device criteria last-checkin-time within
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show shared profiles hip-objects <name> certificate criteria

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show shared profiles hip-objects <name> certificate criteria certificate-attributes <name>
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show shared profiles virus <name>
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show shared profiles virus <name> mlav-engine-filebased-enabled <name>
show shared profiles virus <name> decoder
show shared profiles virus <name> decoder <name>
show shared profiles virus <name> application
show shared profiles virus <name> application <name>
show shared profiles virus <name> threat-exception
show shared profiles virus <name> threat-exception <name>
show shared profiles virus <name> mlav-exception
show shared profiles virus <name> mlav-exception <name>
show shared profiles spyware
show shared profiles spyware <name>
show shared profiles spyware <name> botnet-domains
show shared profiles spyware <name> botnet-domains lists
show shared profiles spyware <name> botnet-domains lists <name>
show shared profiles spyware <name> botnet-domains lists <name> action
show shared profiles spyware <name> botnet-domains lists <name> action alert
show shared profiles spyware <name> botnet-domains lists <name> action allow
show shared profiles spyware <name> botnet-domains lists <name> action block
show shared profiles spyware <name> botnet-domains lists <name> action sinkhole
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show shared profiles spyware <name> botnet-domains threat-exception
show shared profiles spyware <name> botnet-domains threat-exception <name>
show shared profiles spyware <name> rules
show shared profiles spyware <name> rules <name>
```


show shared profiles spyware <name> rules <name> action
show shared profiles spyware <name> rules <name> action default
show shared profiles spyware <name> rules <name> action allow
show shared profiles spyware <name> rules <name> action alert
show shared profiles spyware <name> rules <name> action drop
show shared profiles spyware <name> rules <name> action reset-client
show shared profiles spyware <name> rules <name> action reset-server
show shared profiles spyware <name> rules <name> action reset-both
show shared profiles spyware <name> rules <name> action block-ip
show shared profiles spyware <name> threat-exception
show shared profiles spyware <name> threat-exception <name>
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show shared profiles spyware <name> threat-exception <name> action default
show shared profiles spyware <name> threat-exception <name> action allow
show shared profiles spyware <name> threat-exception <name> action alert
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show shared profiles spyware <name> threat-exception <name> action reset-both
show shared profiles spyware <name> threat-exception <name> action reset-client
show shared profiles spyware <name> threat-exception <name> action reset-server
show shared profiles spyware <name> threat-exception <name> action block-ip
show shared profiles spyware <name> threat-exception <name> exempt-ip
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show shared profiles vulnerability <name>
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show shared profiles vulnerability <name> rules <name> action alert
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show shared profiles vulnerability <name> rules <name> action reset-client
show shared profiles vulnerability <name> rules <name> action reset-server

show shared profiles vulnerability <name> rules <name> action reset-both
show shared profiles vulnerability <name> rules <name> action block-ip
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show shared profiles vulnerability <name> threat-exception <name>
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show shared profiles vulnerability <name> threat-exception <name> action default
show shared profiles vulnerability <name> threat-exception <name> action allow
show shared profiles vulnerability <name> threat-exception <name> action alert
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show shared profiles vulnerability <name> threat-exception <name> action reset-client
show shared profiles vulnerability <name> threat-exception <name> action reset-server
show shared profiles vulnerability <name> threat-exception <name> action reset-both
show shared profiles vulnerability <name> threat-exception <name> action block-ip
show shared profiles vulnerability <name> threat-exception <name> time-attribute
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show shared profiles url-filtering <name>
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show shared profiles url-filtering <name> credential-enforcement mode disabled
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show shared profiles url-filtering <name> credential-enforcement mode domain-credentials
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show shared profiles url-filtering <name> http-header-insertion <name>
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<name>
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show shared profiles file-blocking
show shared profiles file-blocking <name>

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show shared profiles file-blocking <name> rules
show shared profiles file-blocking <name> rules <name>
show shared profiles wildfire-analysis
show shared profiles wildfire-analysis <name>
show shared profiles wildfire-analysis <name> rules
show shared profiles wildfire-analysis <name> rules <name>
show shared profiles custom-url-category
show shared profiles custom-url-category <name>
show shared profiles data-objects
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show shared profiles data-objects <name> pattern-type predefined pattern
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show shared profiles data-filtering <name>
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show shared profiles data-filtering <name> rules <name>
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show shared profiles hip-profiles <name>
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show shared profiles dos-protection <name> flood tcp-syn
show shared profiles dos-protection <name> flood tcp-syn
show shared profiles dos-protection <name> flood tcp-syn red
show shared profiles dos-protection <name> flood tcp-syn red block
```

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show shared profiles dos-protection <name> flood tcp-syn syn-cookies
show shared profiles dos-protection <name> flood tcp-syn syn-cookies block
show shared profiles dos-protection <name> flood udp
show shared profiles dos-protection <name> flood udp red
show shared profiles dos-protection <name> flood udp red block
show shared profiles dos-protection <name> flood icmp
show shared profiles dos-protection <name> flood icmp red
show shared profiles dos-protection <name> flood icmp red block
show shared profiles dos-protection <name> flood icmpv6
show shared profiles dos-protection <name> flood icmpv6 red
show shared profiles dos-protection <name> flood icmpv6 red block
show shared profiles dos-protection <name> flood other-ip
show shared profiles dos-protection <name> flood other-ip red
show shared profiles dos-protection <name> flood other-ip red block
show shared profiles dos-protection <name> resource
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show shared profiles sdwan-path-quality <name> metric latency
show shared profiles sdwan-path-quality <name> metric pkt-loss
show shared profiles sdwan-path-quality <name> metric jitter
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show shared profiles sdwan-saas-quality <name> monitor-mode static-ip
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show shared profile-group <name>
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show shared schedule <name> schedule-type recurring
show shared schedule <name> schedule-type recurring weekly
show shared threats
show shared threats vulnerability
show shared threats vulnerability <name>
show shared threats vulnerability <name> affected-host
show shared threats vulnerability <name> default-action
show shared threats vulnerability <name> default-action alert
show shared threats vulnerability <name> default-action drop
show shared threats vulnerability <name> default-action reset-client
show shared threats vulnerability <name> default-action reset-server

show shared threats vulnerability <name> default-action reset-both

show shared threats vulnerability <name> default-action block-ip

show shared threats vulnerability <name> default-action allow

show shared threats vulnerability <name> signature

show shared threats vulnerability <name> signature standard

show shared threats vulnerability <name> signature standard <name>

show shared threats vulnerability <name> signature standard <name> and-condition

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show shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition

show shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name>

show shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator

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show shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier

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show shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier

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show shared threats vulnerability <name> signature combination

show shared threats vulnerability <name> signature combination time-attribute

show shared threats vulnerability <name> signature combination and-condition

show shared threats vulnerability <name> signature combination and-condition <name>

show shared threats vulnerability <name> signature combination and-condition <name> or-condition

show shared threats vulnerability <name> signature combination and-condition <name> or-condition <name>

show shared threats spyware

show shared threats spyware <name>

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show shared threats spyware <name> default-action alert

show shared threats spyware <name> default-action drop

show shared threats spyware <name> default-action reset-client

show shared threats spyware <name> default-action reset-server

show shared threats spyware <name> default-action reset-both

show shared threats spyware <name> default-action block-ip

show shared threats spyware <name> default-action allow

show shared threats spyware <name> signature

show shared threats spyware <name> signature standard

show shared threats spyware <name> signature standard <name>

show shared threats spyware <name> signature standard <name> and-condition

show shared threats spyware <name> signature standard <name> and-condition <name>

show shared threats spyware <name> signature standard <name> and-condition <name> or-condition

show shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name>

show shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator

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show shared threats spyware <name> signature combination

show shared threats spyware <name> signature combination time-attribute

show shared threats spyware <name> signature combination and-condition

show shared threats spyware <name> signature combination and-condition <name>

show shared threats spyware <name> signature combination and-condition <name> or-condition

show shared threats spyware <name> signature combination and-condition <name> or-condition <name>

show shared external-list

show shared external-list <name>

show shared external-list <name> type

show shared external-list <name> type predefined-ip

show shared external-list <name> type predefined-url

show shared external-list <name> type ip

show shared external-list <name> type ip auth

show shared external-list <name> type ip recurring

show shared external-list <name> type ip recurring

show shared external-list <name> type ip recurring five-minute

show shared external-list <name> type ip recurring hourly

show shared external-list <name> type ip recurring daily


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show shared external-list <name> type ip recurring weekly
show shared external-list <name> type ip recurring monthly
show shared external-list <name> type domain
show shared external-list <name> type domain auth
show shared external-list <name> type domain recurring
show shared external-list <name> type domain recurring
show shared external-list <name> type domain recurring hourly
show shared external-list <name> type domain recurring five-minute
show shared external-list <name> type domain recurring daily
show shared external-list <name> type domain recurring weekly
show shared external-list <name> type domain recurring monthly
show shared external-list <name> type url
show shared external-list <name> type url auth
show shared external-list <name> type url recurring
show shared external-list <name> type url recurring
show shared external-list <name> type url recurring hourly
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show shared external-list <name> type url recurring daily
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show shared tag
show shared tag <name>
show shared authentication-object
show shared authentication-object <name>
show shared global-protect
show shared global-protect clientless-app
show shared global-protect clientless-app <name>
show shared global-protect clientless-app-group
show shared global-protect clientless-app-group <name>
show shared reports
show shared reports <name>
show shared reports <name> type
show shared reports <name> type appstat
```

```
show shared reports <name> type decryption
show shared reports <name> type desum
show shared reports <name> type threat
show shared reports <name> type url
show shared reports <name> type wildfire
show shared reports <name> type data
show shared reports <name> type thsum
show shared reports <name> type traffic
show shared reports <name> type urlsum
show shared reports <name> type trsum
show shared reports <name> type tunnel
show shared reports <name> type tunnelsum
show shared reports <name> type userid
show shared reports <name> type auth
show shared reports <name> type iptag
show shared reports <name> type hipmatch
show shared reports <name> type globalprotect
show shared report-group
show shared report-group <name>
show shared report-group <name>
show shared report-group <name> custom-widget
show shared report-group <name> custom-widget <name>
show shared report-group <name> custom-widget <name>
show shared report-group <name>
show shared report-group <name> all
show shared report-group <name> all entry
show shared report-group <name> selected-zone
show shared report-group <name> selected-zone entry
show shared report-group <name> selected-user-group
show shared report-group <name> selected-user-group entry
show shared report-group <name> variable
show shared report-group <name> variable <name>
show shared pdf-summary-report
```

```
show shared pdf-summary-report <name>
show shared pdf-summary-report <name> header
show shared pdf-summary-report <name> footer
show shared pdf-summary-report <name> predefined-widget
show shared pdf-summary-report <name> predefined-widget <name>
show shared pdf-summary-report <name> custom-widget
show shared pdf-summary-report <name> custom-widget <name>
show shared email-scheduler
show shared email-scheduler <name>
show shared email-scheduler <name> recurring
show shared email-scheduler <name> recurring disabled
show shared email-scheduler <name> recurring daily
show shared botnet
show shared botnet configuration
show shared botnet configuration http
show shared botnet configuration http malware-sites
show shared botnet configuration http dynamic-dns
show shared botnet configuration http ip-domains
show shared botnet configuration http recent-domains
show shared botnet configuration http executables-from-unknown-sites
show shared botnet configuration unknown-applications
show shared botnet configuration unknown-applications unknown-tcp
show shared botnet configuration unknown-applications unknown-tcp session-length
show shared botnet configuration unknown-applications unknown-udp
show shared botnet configuration unknown-applications unknown-udp session-length
show shared botnet configuration other-applications
show shared botnet report
show shared override
show shared override application
show shared override application <name>
show shared alg-override
show shared alg-override application
show shared alg-override application <name>
```

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show shared authentication-profile
show shared authentication-profile <name>
show shared authentication-profile <name> single-sign-on
show shared authentication-profile <name> logout
show shared authentication-profile <name> method
show shared authentication-profile <name> method none
show shared authentication-profile <name> method cloud
show shared authentication-profile <name> method cloud region
show shared authentication-profile <name> method cloud region tenant
show shared authentication-profile <name> method cloud region tenant profile
show shared authentication-profile <name> method cloud region tenant profile mfa
show shared authentication-profile <name> method local-database
show shared authentication-profile <name> method radius
show shared authentication-profile <name> method ldap
show shared authentication-profile <name> method kerberos
show shared authentication-profile <name> method tacplus
show shared authentication-profile <name> method saml-idp
show shared authentication-profile <name> multi-factor-auth
show shared authentication-sequence
show shared authentication-sequence <name>
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show shared certificate-profile <name>
show shared certificate-profile <name> username-field
show shared certificate-profile <name> CA
show shared certificate-profile <name> CA <name>
show shared server-profile
show shared server-profile ldap
show shared server-profile ldap <name>
show shared server-profile ldap <name> server
show shared server-profile ldap <name> server <name>
show shared server-profile radius
show shared server-profile radius <name>
show shared server-profile radius <name> protocol
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show shared server-profile radius <name> protocol CHAP
show shared server-profile radius <name> protocol PAP
show shared server-profile radius <name> protocol PEAP-MSCHAPv2
show shared server-profile radius <name> protocol PEAP-with-GTC
show shared server-profile radius <name> protocol EAP-TTLS-with-PAP
show shared server-profile radius <name> server
show shared server-profile radius <name> server <name>
show shared server-profile kerberos
show shared server-profile kerberos <name>
show shared server-profile kerberos <name> server
show shared server-profile kerberos <name> server <name>
show shared server-profile tacplus
show shared server-profile tacplus <name>
show shared server-profile tacplus <name> server
show shared server-profile tacplus <name> server <name>
show shared server-profile saml-idp
show shared server-profile saml-idp <name>
show shared server-profile netflow
show shared server-profile netflow <name>
show shared server-profile netflow <name> template-refresh-rate
show shared server-profile netflow <name> server
show shared server-profile netflow <name> server <name>
show shared server-profile mfa-server-profile
show shared server-profile mfa-server-profile <name>
show shared server-profile mfa-server-profile <name> mfa-config
show shared server-profile mfa-server-profile <name> mfa-config <name>
show shared log-settings
show shared log-settings system
show shared log-settings system match-list
show shared log-settings system match-list <name>
show shared log-settings system match-list <name> actions
show shared log-settings system match-list <name> actions <name>
show shared log-settings system match-list <name> actions <name> type

show shared log-settings config
show shared log-settings config match-list
show shared log-settings config match-list <name>
show shared log-settings userid
show shared log-settings userid match-list
show shared log-settings userid match-list <name>
show shared log-settings userid match-list <name> actions
show shared log-settings userid match-list <name> actions <name>
show shared log-settings userid match-list <name> actions <name> type
show shared log-settings userid match-list <name> actions <name> type tagging
show shared log-settings userid match-list <name> actions <name> type tagging registration
show shared log-settings userid match-list <name> actions <name> type tagging registration
localhost
show shared log-settings userid match-list <name> actions <name> type tagging registration
panorama
show shared log-settings userid match-list <name> actions <name> type tagging registration
remote
show shared log-settings iptag
show shared log-settings iptag match-list
show shared log-settings iptag match-list <name>
show shared log-settings iptag match-list <name> actions
show shared log-settings iptag match-list <name> actions <name>
show shared log-settings iptag match-list <name> actions <name> type
show shared log-settings iptag match-list <name> actions <name> type tagging
show shared log-settings iptag match-list <name> actions <name> type tagging registration
show shared log-settings iptag match-list <name> actions <name> type tagging registration
localhost
show shared log-settings iptag match-list <name> actions <name> type tagging registration
panorama
show shared log-settings iptag match-list <name> actions <name> type tagging registration
remote
show shared log-settings globalprotect
show shared log-settings globalprotect match-list
show shared log-settings globalprotect match-list <name>
show shared log-settings globalprotect match-list <name> actions

show shared log-settings globalprotect match-list <name> actions <name>
show shared log-settings globalprotect match-list <name> actions <name> type
show shared log-settings globalprotect match-list <name> actions <name> type tagging
show shared log-settings globalprotect match-list <name> actions <name> type tagging
registration
show shared log-settings globalprotect match-list <name> actions <name> type tagging
registration localhost
show shared log-settings globalprotect match-list <name> actions <name> type tagging
registration panorama
show shared log-settings globalprotect match-list <name> actions <name> type tagging
registration remote
show shared log-settings hipmatch
show shared log-settings hipmatch match-list
show shared log-settings hipmatch match-list <name>
show shared log-settings hipmatch match-list <name> actions
show shared log-settings hipmatch match-list <name> actions <name>
show shared log-settings hipmatch match-list <name> actions <name> type
show shared log-settings hipmatch match-list <name> actions <name> type tagging
show shared log-settings hipmatch match-list <name> actions <name> type tagging registration
show shared log-settings hipmatch match-list <name> actions <name> type tagging registration
localhost
show shared log-settings hipmatch match-list <name> actions <name> type tagging registration
panorama
show shared log-settings hipmatch match-list <name> actions <name> type tagging registration
remote
show shared log-settings correlation
show shared log-settings correlation match-list
show shared log-settings correlation match-list <name>
show shared log-settings correlation match-list <name> actions
show shared log-settings correlation match-list <name> actions <name>
show shared log-settings correlation match-list <name> actions <name> type
show shared log-settings correlation match-list <name> actions <name> type tagging
show shared log-settings correlation match-list <name> actions <name> type tagging registration
show shared log-settings correlation match-list <name> actions <name> type tagging registration
localhost

```
show shared log-settings correlation match-list <name> actions <name> type tagging registration
panorama
show shared log-settings correlation match-list <name> actions <name> type tagging registration
remote
show shared log-settings snmptrap
show shared log-settings snmptrap <name>
show shared log-settings snmptrap <name> version
show shared log-settings snmptrap <name> version v2c
show shared log-settings snmptrap <name> version v2c server
show shared log-settings snmptrap <name> version v2c server <name>
show shared log-settings snmptrap <name> version v3
show shared log-settings snmptrap <name> version v3 server
show shared log-settings snmptrap <name> version v3 server <name>
show shared log-settings email
show shared log-settings email <name>
show shared log-settings email <name> server
show shared log-settings email <name> server <name>
show shared log-settings email <name> format
show shared log-settings email <name> format escaping
show shared log-settings syslog
show shared log-settings syslog <name>
show shared log-settings syslog <name> server
show shared log-settings syslog <name> server <name>
show shared log-settings syslog <name> format
show shared log-settings syslog <name> format escaping
show shared log-settings http
show shared log-settings http <name>
show shared log-settings http <name> server
show shared log-settings http <name> server <name>
show shared log-settings http <name> format
show shared log-settings http <name> format config
show shared log-settings http <name> format config headers
show shared log-settings http <name> format config headers <name>
show shared log-settings http <name> format config params
```



```
show shared log-settings http <name> format config params <name>
show shared log-settings http <name> format system
show shared log-settings http <name> format system headers
show shared log-settings http <name> format system headers <name>
show shared log-settings http <name> format system params
show shared log-settings http <name> format system params <name>
show shared log-settings http <name> format traffic
show shared log-settings http <name> format traffic headers
show shared log-settings http <name> format traffic headers <name>
show shared log-settings http <name> format traffic params
show shared log-settings http <name> format traffic params <name>
show shared log-settings http <name> format threat
show shared log-settings http <name> format threat headers
show shared log-settings http <name> format threat headers <name>
show shared log-settings http <name> format threat params
show shared log-settings http <name> format threat params <name>
show shared log-settings http <name> format wildfire
show shared log-settings http <name> format wildfire headers
show shared log-settings http <name> format wildfire headers <name>
show shared log-settings http <name> format wildfire params
show shared log-settings http <name> format wildfire params <name>
show shared log-settings http <name> format url
show shared log-settings http <name> format url headers
show shared log-settings http <name> format url headers <name>
show shared log-settings http <name> format url params
show shared log-settings http <name> format url params <name>
show shared log-settings http <name> format data
show shared log-settings http <name> format data headers
show shared log-settings http <name> format data headers <name>
show shared log-settings http <name> format data params
show shared log-settings http <name> format data params <name>
show shared log-settings http <name> format tunnel
show shared log-settings http <name> format tunnel headers
```

```
show shared log-settings http <name> format tunnel headers <name>
show shared log-settings http <name> format tunnel params
show shared log-settings http <name> format tunnel params <name>
show shared log-settings http <name> format auth
show shared log-settings http <name> format auth headers
show shared log-settings http <name> format auth headers <name>
show shared log-settings http <name> format auth params
show shared log-settings http <name> format auth params <name>
show shared log-settings http <name> format userid
show shared log-settings http <name> format userid headers
show shared log-settings http <name> format userid headers <name>
show shared log-settings http <name> format userid params
show shared log-settings http <name> format userid params <name>
show shared log-settings http <name> format iptag
show shared log-settings http <name> format iptag headers
show shared log-settings http <name> format iptag headers <name>
show shared log-settings http <name> format iptag params
show shared log-settings http <name> format iptag params <name>
show shared log-settings http <name> format decryption
show shared log-settings http <name> format decryption headers
show shared log-settings http <name> format decryption headers <name>
show shared log-settings http <name> format decryption params
show shared log-settings http <name> format decryption params <name>
show shared log-settings http <name> format globalprotect
show shared log-settings http <name> format globalprotect headers
show shared log-settings http <name> format globalprotect headers <name>
show shared log-settings http <name> format globalprotect params
show shared log-settings http <name> format globalprotect params <name>
show shared log-settings http <name> format hip-match
show shared log-settings http <name> format hip-match headers
show shared log-settings http <name> format hip-match headers <name>
show shared log-settings http <name> format hip-match params
show shared log-settings http <name> format hip-match params <name>
```

show shared log-settings http <name> format correlation
show shared log-settings http <name> format correlation headers
show shared log-settings http <name> format correlation headers <name>
show shared log-settings http <name> format correlation params
show shared log-settings http <name> format correlation params <name>
show shared log-settings profiles
show shared log-settings profiles <name>
show shared log-settings profiles <name> match-list
show shared log-settings profiles <name> match-list <name>
show shared log-settings profiles <name> match-list <name> actions
show shared log-settings profiles <name> match-list <name> actions <name>
show shared log-settings profiles <name> match-list <name> actions <name> type
show shared log-settings profiles <name> match-list <name> actions <name> type tagging
show shared log-settings profiles <name> match-list <name> actions <name> type tagging
registration
show shared log-settings profiles <name> match-list <name> actions <name> type tagging
registration localhost
show shared log-settings profiles <name> match-list <name> actions <name> type tagging
registration panorama
show shared log-settings profiles <name> match-list <name> actions <name> type tagging
registration remote
show shared certificate
show shared certificate <name>
show shared certificate <name>
show shared certificate <name>
show shared ssl-tls-service-profile
show shared ssl-tls-service-profile <name>
show shared ssl-tls-service-profile <name> protocol-settings
show shared response-page
show shared response-page global-protect-portal-custom-login-page
show shared response-page global-protect-portal-custom-login-page <name>
show shared response-page global-protect-portal-custom-home-page
show shared response-page global-protect-portal-custom-home-page <name>
show shared response-page global-protect-portal-custom-help-page
show shared response-page global-protect-portal-custom-help-page <name>

```
show shared response-page global-protect-portal-custom-welcome-page
show shared response-page global-protect-portal-custom-welcome-page <name>
show shared local-user-database
show shared local-user-database user
show shared local-user-database user <name>
show shared local-user-database user-group
show shared local-user-database user-group <name>
show shared oosp-responder
show shared oosp-responder <name>
show shared ssl-decrypt
show shared ssl-decrypt forward-trust-certificate
show shared ssl-decrypt forward-untrust-certificate
show shared ssl-decrypt ssl-exclude-cert
show shared ssl-decrypt ssl-exclude-cert <name>
show shared admin-role
show shared admin-role <name>
show shared admin-role <name> role
show shared admin-role <name> role device
show shared admin-role <name> role device webui
show shared admin-role <name> role device webui monitor
show shared admin-role <name> role device webui monitor logs
show shared admin-role <name> role device webui monitor automated-correlation-engine
show shared admin-role <name> role device webui monitor pdf-reports
show shared admin-role <name> role device webui monitor custom-reports
show shared admin-role <name> role device webui policies
show shared admin-role <name> role device webui objects
show shared admin-role <name> role device webui objects global-protect
show shared admin-role <name> role device webui objects custom-objects
show shared admin-role <name> role device webui objects security-profiles
show shared admin-role <name> role device webui objects decryption
show shared admin-role <name> role device webui objects sdwan
show shared admin-role <name> role device webui network
show shared admin-role <name> role device webui network routing
```

```
show shared admin-role <name> role device webui network routing routing-profiles
show shared admin-role <name> role device webui network global-protect
show shared admin-role <name> role device webui network network-profiles
show shared admin-role <name> role device webui device
show shared admin-role <name> role device webui device setup
show shared admin-role <name> role device webui device certificate-management
show shared admin-role <name> role device webui device log-settings
show shared admin-role <name> role device webui device server-profile
show shared admin-role <name> role device webui device local-user-database
show shared admin-role <name> role device webui device policy-recommendations
show shared admin-role <name> role device webui operations
show shared admin-role <name> role device webui privacy
show shared admin-role <name> role device webui save
show shared admin-role <name> role device webui commit
show shared admin-role <name> role device webui global
show shared admin-role <name> role device xmlapi
show shared admin-role <name> role device restapi
show shared admin-role <name> role device restapi objects
show shared admin-role <name> role device restapi policies
show shared admin-role <name> role device restapi network
show shared admin-role <name> role device restapi device
show shared admin-role <name> role device restapi system
show shared admin-role <name> role vsys
show shared admin-role <name> role vsys webui
show shared admin-role <name> role vsys webui monitor
show shared admin-role <name> role vsys webui monitor logs
show shared admin-role <name> role vsys webui monitor automated-correlation-engine
show shared admin-role <name> role vsys webui monitor pdf-reports
show shared admin-role <name> role vsys webui monitor custom-reports
show shared admin-role <name> role vsys webui policies
show shared admin-role <name> role vsys webui objects
show shared admin-role <name> role vsys webui objects global-protect
show shared admin-role <name> role vsys webui objects custom-objects
```

```
show shared admin-role <name> role vsys webui objects security-profiles
show shared admin-role <name> role vsys webui objects decryption
show shared admin-role <name> role vsys webui objects sdwan
show shared admin-role <name> role vsys webui network
show shared admin-role <name> role vsys webui network global-protect
show shared admin-role <name> role vsys webui device
show shared admin-role <name> role vsys webui device setup
show shared admin-role <name> role vsys webui device certificate-management
show shared admin-role <name> role vsys webui device log-settings
show shared admin-role <name> role vsys webui device server-profile
show shared admin-role <name> role vsys webui device local-user-database
show shared admin-role <name> role vsys webui device policy-recommendations
show shared admin-role <name> role vsys webui operations
show shared admin-role <name> role vsys webui privacy
show shared admin-role <name> role vsys webui save
show shared admin-role <name> role vsys webui commit
show shared admin-role <name> role vsys xmlapi
show shared admin-role <name> role vsys restapi
show shared admin-role <name> role vsys restapi objects
show shared admin-role <name> role vsys restapi policies
show shared admin-role <name> role vsys restapi network
show shared admin-role <name> role vsys restapi device
show shared admin-role <name> role vsys restapi system
show shared scep
show shared scep <name>
show shared scep <name> scep-challenge
show shared scep <name> scep-challenge none
show shared scep <name> scep-challenge dynamic
show shared scep <name> algorithm
show shared scep <name> algorithm rsa
show shared scep <name> certificate-attributes
show shared user-id-hub
show vsys
```

```
show vsys <name>
show vsys <name> setting
show vsys <name> setting nat
show vsys <name> setting ssl-decrypt
show vsys <name> import
show vsys <name> import network
show vsys <name> import resource
show vsys <name> route
show vsys <name> route service
show vsys <name> route service <name>
show vsys <name> route service <name> source
show vsys <name> route service <name> source-v6
show vsys <name> authentication-profile
show vsys <name> authentication-profile <name>
show vsys <name> authentication-profile <name> single-sign-on
show vsys <name> authentication-profile <name> logout
show vsys <name> authentication-profile <name> method
show vsys <name> authentication-profile <name> method none
show vsys <name> authentication-profile <name> method cloud
show vsys <name> authentication-profile <name> method cloud region
show vsys <name> authentication-profile <name> method cloud region tenant
show vsys <name> authentication-profile <name> method cloud region tenant profile
show vsys <name> authentication-profile <name> method cloud region tenant profile mfa
show vsys <name> authentication-profile <name> method local-database
show vsys <name> authentication-profile <name> method radius
show vsys <name> authentication-profile <name> method ldap
show vsys <name> authentication-profile <name> method kerberos
show vsys <name> authentication-profile <name> method tacplus
show vsys <name> authentication-profile <name> method saml-idp
show vsys <name> authentication-profile <name> multi-factor-auth
show vsys <name> authentication-sequence
show vsys <name> authentication-sequence <name>
show vsys <name> certificate-profile
```

```
show vsys <name> certificate-profile <name>
show vsys <name> certificate-profile <name> username-field
show vsys <name> certificate-profile <name> CA
show vsys <name> certificate-profile <name> CA <name>
show vsys <name> server-profile
show vsys <name> server-profile ldap
show vsys <name> server-profile ldap <name>
show vsys <name> server-profile ldap <name> server
show vsys <name> server-profile ldap <name> server <name>
show vsys <name> server-profile radius
show vsys <name> server-profile radius <name>
show vsys <name> server-profile radius <name> protocol
show vsys <name> server-profile radius <name> protocol CHAP
show vsys <name> server-profile radius <name> protocol PAP
show vsys <name> server-profile radius <name> protocol PEAP-MSCHAPv2
show vsys <name> server-profile radius <name> protocol PEAP-with-GTC
show vsys <name> server-profile radius <name> protocol EAP-TTLS-with-PAP
show vsys <name> server-profile radius <name> server
show vsys <name> server-profile radius <name> server <name>
show vsys <name> server-profile kerberos
show vsys <name> server-profile kerberos <name>
show vsys <name> server-profile kerberos <name> server
show vsys <name> server-profile kerberos <name> server <name>
show vsys <name> server-profile tacplus
show vsys <name> server-profile tacplus <name>
show vsys <name> server-profile tacplus <name> server
show vsys <name> server-profile tacplus <name> server <name>
show vsys <name> server-profile saml-idp
show vsys <name> server-profile saml-idp <name>
show vsys <name> server-profile netflow
show vsys <name> server-profile netflow <name>
show vsys <name> server-profile netflow <name> template-refresh-rate
show vsys <name> server-profile netflow <name> server
```



```
show vsys <name> server-profile netflow <name> server <name>
show vsys <name> server-profile dns
show vsys <name> server-profile dns <name>
show vsys <name> server-profile dns <name> inheritance
show vsys <name> server-profile dns <name> source
show vsys <name> server-profile dns <name> source-v6
show vsys <name> server-profile mfa-server-profile
show vsys <name> server-profile mfa-server-profile <name>
show vsys <name> server-profile mfa-server-profile <name> mfa-config
show vsys <name> server-profile mfa-server-profile <name> mfa-config <name>
show vsys <name> dns-proxy
show vsys <name> dns-proxy <name>
show vsys <name> dns-proxy <name> domain-servers
show vsys <name> dns-proxy <name> domain-servers <name>
show vsys <name> dns-proxy <name> cache
show vsys <name> dns-proxy <name> cache max-ttl
show vsys <name> dns-proxy <name> static-entries
show vsys <name> dns-proxy <name> static-entries <name>
show vsys <name> dns-proxy <name> tcp-queries
show vsys <name> dns-proxy <name> udp-queries
show vsys <name> dns-proxy <name> udp-queries retries
show vsys <name> log-settings
show vsys <name> log-settings snmptrap
show vsys <name> log-settings snmptrap <name>
show vsys <name> log-settings snmptrap <name> version
show vsys <name> log-settings snmptrap <name> version v2c
show vsys <name> log-settings snmptrap <name> version v2c server
show vsys <name> log-settings snmptrap <name> version v2c server <name>
show vsys <name> log-settings snmptrap <name> version v3
show vsys <name> log-settings snmptrap <name> version v3 server
show vsys <name> log-settings snmptrap <name> version v3 server <name>
show vsys <name> log-settings email
show vsys <name> log-settings email <name>
```

```
show vsys <name> log-settings email <name> server
show vsys <name> log-settings email <name> server <name>
show vsys <name> log-settings email <name> format
show vsys <name> log-settings email <name> format escaping
show vsys <name> log-settings syslog
show vsys <name> log-settings syslog <name>
show vsys <name> log-settings syslog <name> server
show vsys <name> log-settings syslog <name> server <name>
show vsys <name> log-settings syslog <name> format
show vsys <name> log-settings syslog <name> format escaping
show vsys <name> log-settings http
show vsys <name> log-settings http <name>
show vsys <name> log-settings http <name> server
show vsys <name> log-settings http <name> server <name>
show vsys <name> log-settings http <name> format
show vsys <name> log-settings http <name> format config
show vsys <name> log-settings http <name> format config headers
show vsys <name> log-settings http <name> format config headers <name>
show vsys <name> log-settings http <name> format config params
show vsys <name> log-settings http <name> format config params <name>
show vsys <name> log-settings http <name> format system
show vsys <name> log-settings http <name> format system headers
show vsys <name> log-settings http <name> format system headers <name>
show vsys <name> log-settings http <name> format system params
show vsys <name> log-settings http <name> format system params <name>
show vsys <name> log-settings http <name> format traffic
show vsys <name> log-settings http <name> format traffic headers
show vsys <name> log-settings http <name> format traffic headers <name>
show vsys <name> log-settings http <name> format traffic params
show vsys <name> log-settings http <name> format traffic params <name>
show vsys <name> log-settings http <name> format threat
show vsys <name> log-settings http <name> format threat headers
show vsys <name> log-settings http <name> format threat headers <name>
```

```
show vsys <name> log-settings http <name> format threat params
show vsys <name> log-settings http <name> format threat params <name>
show vsys <name> log-settings http <name> format wildfire
show vsys <name> log-settings http <name> format wildfire headers
show vsys <name> log-settings http <name> format wildfire headers <name>
show vsys <name> log-settings http <name> format wildfire params
show vsys <name> log-settings http <name> format wildfire params <name>
show vsys <name> log-settings http <name> format url
show vsys <name> log-settings http <name> format url headers
show vsys <name> log-settings http <name> format url headers <name>
show vsys <name> log-settings http <name> format url params
show vsys <name> log-settings http <name> format url params <name>
show vsys <name> log-settings http <name> format data
show vsys <name> log-settings http <name> format data headers
show vsys <name> log-settings http <name> format data headers <name>
show vsys <name> log-settings http <name> format data params
show vsys <name> log-settings http <name> format data params <name>
show vsys <name> log-settings http <name> format tunnel
show vsys <name> log-settings http <name> format tunnel headers
show vsys <name> log-settings http <name> format tunnel headers <name>
show vsys <name> log-settings http <name> format tunnel params
show vsys <name> log-settings http <name> format tunnel params <name>
show vsys <name> log-settings http <name> format auth
show vsys <name> log-settings http <name> format auth headers
show vsys <name> log-settings http <name> format auth headers <name>
show vsys <name> log-settings http <name> format auth params
show vsys <name> log-settings http <name> format auth params <name>
show vsys <name> log-settings http <name> format userid
show vsys <name> log-settings http <name> format userid headers
show vsys <name> log-settings http <name> format userid headers <name>
show vsys <name> log-settings http <name> format userid params
show vsys <name> log-settings http <name> format userid params <name>
show vsys <name> log-settings http <name> format iptag
```

```

show vsys <name> log-settings http <name> format iptag headers
show vsys <name> log-settings http <name> format iptag headers <name>
show vsys <name> log-settings http <name> format iptag params
show vsys <name> log-settings http <name> format iptag params <name>
show vsys <name> log-settings http <name> format decryption
show vsys <name> log-settings http <name> format decryption headers
show vsys <name> log-settings http <name> format decryption headers <name>
show vsys <name> log-settings http <name> format decryption params
show vsys <name> log-settings http <name> format decryption params <name>
show vsys <name> log-settings http <name> format globalprotect
show vsys <name> log-settings http <name> format globalprotect headers
show vsys <name> log-settings http <name> format globalprotect headers <name>
show vsys <name> log-settings http <name> format globalprotect params
show vsys <name> log-settings http <name> format globalprotect params <name>
show vsys <name> log-settings http <name> format hip-match
show vsys <name> log-settings http <name> format hip-match headers
show vsys <name> log-settings http <name> format hip-match headers <name>
show vsys <name> log-settings http <name> format hip-match params
show vsys <name> log-settings http <name> format hip-match params <name>
show vsys <name> log-settings http <name> format correlation
show vsys <name> log-settings http <name> format correlation headers
show vsys <name> log-settings http <name> format correlation headers <name>
show vsys <name> log-settings http <name> format correlation params
show vsys <name> log-settings http <name> format correlation params <name>
show vsys <name> log-settings profiles
show vsys <name> log-settings profiles <name>
show vsys <name> log-settings profiles <name> match-list
show vsys <name> log-settings profiles <name> match-list <name>
show vsys <name> log-settings profiles <name> match-list <name> actions
show vsys <name> log-settings profiles <name> match-list <name> actions <name>
show vsys <name> log-settings profiles <name> match-list <name> actions <name> type
show vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
show vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
registration
  
```

show vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging registration localhost

show vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging registration panorama

show vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging registration remote

show vsys <name> certificate

show vsys <name> certificate <name>

show vsys <name> certificate <name>

show vsys <name> certificate <name>

show vsys <name> ssl-tls-service-profile

show vsys <name> ssl-tls-service-profile <name>

show vsys <name> ssl-tls-service-profile <name> protocol-settings

show vsys <name> response-page

show vsys <name> response-page global-protect-portal-custom-login-page

show vsys <name> response-page global-protect-portal-custom-login-page <name>

show vsys <name> response-page global-protect-portal-custom-home-page

show vsys <name> response-page global-protect-portal-custom-home-page <name>

show vsys <name> response-page global-protect-portal-custom-help-page

show vsys <name> response-page global-protect-portal-custom-help-page <name>

show vsys <name> response-page global-protect-portal-custom-welcome-page

show vsys <name> response-page global-protect-portal-custom-welcome-page <name>

show vsys <name> local-user-database

show vsys <name> local-user-database user

show vsys <name> local-user-database user <name>

show vsys <name> local-user-database user-group

show vsys <name> local-user-database user-group <name>

show vsys <name> ssl-decrypt

show vsys <name> ssl-decrypt forward-trust-certificate

show vsys <name> ssl-decrypt forward-untrust-certificate

show vsys <name> ssl-decrypt ssl-exclude-cert

show vsys <name> ssl-decrypt ssl-exclude-cert <name>

show vsys <name> ocsf-responder

show vsys <name> ocsf-responder <name>

```
show vsys <name> scep
show vsys <name> scep <name>
show vsys <name> scep <name> scep-challenge
show vsys <name> scep <name> scep-challenge none
show vsys <name> scep <name> scep-challenge dynamic
show vsys <name> scep <name> algorithm
show vsys <name> scep <name> algorithm rsa
show vsys <name> scep <name> certificate-attributes
show vsys <name> ts-agent
show vsys <name> ts-agent <name>
show vsys <name> redistribution-agent
show vsys <name> redistribution-agent <name>
show vsys <name> redistribution-agent <name>
show vsys <name> redistribution-agent <name> host-port
show vsys <name> ipuser-include-exclude-list
show vsys <name> ipuser-include-exclude-list include-exclude-network
show vsys <name> ipuser-include-exclude-list include-exclude-network <name>
show vsys <name> iptag-include-exclude-list
show vsys <name> iptag-include-exclude-list include-exclude-network
show vsys <name> iptag-include-exclude-list include-exclude-network <name>
show vsys <name> redistribution-collector
show vsys <name> redistribution-collector setting
show vsys <name> user-id-ssl-auth
show vsys <name> vm-info-source
show vsys <name> vm-info-source <name>
show vsys <name> vm-info-source <name>
show vsys <name> vm-info-source <name> AWS-VPC
show vsys <name> vm-info-source <name> Google-Compute-Engine
show vsys <name> vm-info-source <name> Google-Compute-Engine service-auth-type
show vsys <name> vm-info-source <name> Google-Compute-Engine service-auth-type service-
in-gce
show vsys <name> vm-info-source <name> Google-Compute-Engine service-auth-type service-
account
show vsys <name> vm-info-source <name> VMware-ESXi
```

```
show vsys <name> vm-info-source <name> VMware-vCenter
show vsys <name> group-mapping
show vsys <name> group-mapping <name>
show vsys <name> group-mapping <name> custom-group
show vsys <name> group-mapping <name> custom-group <name>
show vsys <name> cloud-identity-engine
show vsys <name> cloud-identity-engine <name>
show vsys <name> captive-portal
show vsys <name> captive-portal mode
show vsys <name> captive-portal mode transparent
show vsys <name> captive-portal mode redirect
show vsys <name> captive-portal mode redirect session-cookie
show vsys <name> user-id-collector
show vsys <name> user-id-collector setting
show vsys <name> user-id-collector syslog-parse-profile
show vsys <name> user-id-collector syslog-parse-profile <name>
show vsys <name> user-id-collector syslog-parse-profile <name>
show vsys <name> user-id-collector syslog-parse-profile <name> regex-identifier
show vsys <name> user-id-collector syslog-parse-profile <name> field-identifier
show vsys <name> user-id-collector server-monitor
show vsys <name> user-id-collector server-monitor <name>
show vsys <name> user-id-collector server-monitor <name>
show vsys <name> user-id-collector server-monitor <name> active-directory
show vsys <name> user-id-collector server-monitor <name> exchange
show vsys <name> user-id-collector server-monitor <name> e-directory
show vsys <name> user-id-collector server-monitor <name> syslog
show vsys <name> user-id-collector server-monitor <name> syslog syslog-parse-profile
show vsys <name> user-id-collector server-monitor <name> syslog syslog-parse-profile <name>
show vsys <name> user-id-collector include-exclude-network
show vsys <name> user-id-collector include-exclude-network <name>
show vsys <name> user-id-collector include-exclude-network-sequence
show vsys <name> url-admin-override
show vsys <name> url-admin-override mode
```

```
show vsys <name> url-admin-override mode transparent
show vsys <name> url-admin-override mode redirect
show vsys <name> zone
show vsys <name> zone <name>
show vsys <name> zone <name> network
show vsys <name> zone <name> network
show vsys <name> zone <name> network tunnel
show vsys <name> zone <name> user-acl
show vsys <name> zone <name> device-acl
show vsys <name> sdwan-interface-profile
show vsys <name> sdwan-interface-profile <name>
show vsys <name> global-protect
show vsys <name> global-protect global-protect-portal
show vsys <name> global-protect global-protect-portal <name>
show vsys <name> global-protect global-protect-portal <name> portal-config
show vsys <name> global-protect global-protect-portal <name> portal-config local-address
show vsys <name> global-protect global-protect-portal <name> portal-config local-address
show vsys <name> global-protect global-protect-portal <name> portal-config local-address ip
show vsys <name> global-protect global-protect-portal <name> portal-config local-address
floating-ip
show vsys <name> global-protect global-protect-portal <name> portal-config client-auth
show vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name>
show vsys <name> global-protect global-protect-portal <name> portal-config config-selection
show vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks
show vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks windows
show vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks windows registry-key
show vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks windows registry-key <name>
show vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks mac-os
show vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks mac-os plist
```



```
show vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks mac-os plist <name>

show vsys <name> global-protect global-protect-portal <name> clientless-vpn

show vsys <name> global-protect global-protect-portal <name> clientless-vpn login-lifetime

show vsys <name> global-protect global-protect-portal <name> clientless-vpn inactivity-logout

show vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings

show vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol

show vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings
server-cert-verification

show vsys <name> global-protect global-protect-portal <name> clientless-vpn apps-to-user-
mapping

show vsys <name> global-protect global-protect-portal <name> clientless-vpn apps-to-user-
mapping <name>

show vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-
setting

show vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-
setting <name>

show vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-
setting <name> proxy-server

show vsys <name> global-protect global-protect-portal <name> client-config

show vsys <name> global-protect global-protect-portal <name> client-config root-ca

show vsys <name> global-protect global-protect-portal <name> client-config root-ca <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
certificate

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
certificate criteria

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name>
```

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name> registry-value

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name> registry-value <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name> key

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name> key <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
machine-account-exists-with-serialno

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
machine-account-exists-with-serialno no

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
machine-account-exists-with-serialno yes

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name> ip

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> ip

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> gateways external list <name> priority-rule

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> gateways external list <name> priority-rule <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> internal-host-detection

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> internal-host-detection-v6

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-ui

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-ui welcome-page

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection exclusion

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection exclusion category

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection exclusion category <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection exclusion category <name> vendor

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection exclusion category <name> vendor <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks windows

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks windows registry-key

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks windows registry-key <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks mac-os

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks mac-os plist

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks mac-os plist <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks linux

```
show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
agent-config

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> gp-
app-config

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> gp-
app-config config

show vsys <name> global-protect global-protect-portal <name> client-config configs <name> gp-
app-config config <name>

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
client-certificate

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override accept-cookie

show vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override accept-cookie cookie-lifetime

show vsys <name> global-protect global-protect-portal <name> satellite-config

show vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate

show vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
local

show vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
scep

show vsys <name> global-protect global-protect-portal <name> satellite-config configs

show vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>

show vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways

show vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name>

show vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name>

show vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name> ip

show vsys <name> global-protect global-protect-gateway

show vsys <name> global-protect global-protect-gateway <name>

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name>

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override
```

```
show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override accept-cookie

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override accept-cookie cookie-lifetime

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> source-address

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling include-domains

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling include-domains list

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling include-domains list <name>

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling exclude-domains

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling exclude-domains list

show vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling exclude-domains list <name>

show vsys <name> global-protect global-protect-gateway <name> client-auth

show vsys <name> global-protect global-protect-gateway <name> client-auth <name>

show vsys <name> global-protect global-protect-gateway <name> local-address

show vsys <name> global-protect global-protect-gateway <name> local-address

show vsys <name> global-protect global-protect-gateway <name> local-address ip

show vsys <name> global-protect global-protect-gateway <name> local-address floating-ip

show vsys <name> global-protect global-protect-gateway <name> security-restrictions

show vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement

show vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement

show vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement default

show vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement custom

show vsys <name> global-protect global-protect-gateway <name> roles

show vsys <name> global-protect global-protect-gateway <name> roles <name>

show vsys <name> global-protect global-protect-gateway <name> roles <name> login-lifetime
```

```
show vsys <name> global-protect global-protect-gateway <name> hip-notification
show vsys <name> global-protect global-protect-gateway <name> hip-notification <name>
show vsys <name> global-protect global-protect-gateway <name> hip-notification <name>
match-message
show vsys <name> global-protect global-protect-gateway <name> hip-notification <name> not-
match-message
show vsys <name> global-protect global-protect-mdm
show vsys <name> global-protect global-protect-mdm <name>
show vsys <name> global-protect clientless-app
show vsys <name> global-protect clientless-app <name>
show vsys <name> global-protect clientless-app-group
show vsys <name> global-protect clientless-app-group <name>
show vsys <name> profiles
show vsys <name> profiles hip-objects
show vsys <name> profiles hip-objects <name>
show vsys <name> profiles hip-objects <name> host-info
show vsys <name> profiles hip-objects <name> host-info criteria
show vsys <name> profiles hip-objects <name> host-info criteria domain
show vsys <name> profiles hip-objects <name> host-info criteria domain
show vsys <name> profiles hip-objects <name> host-info criteria os
show vsys <name> profiles hip-objects <name> host-info criteria os
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show vsys <name> profiles hip-objects <name> host-info criteria os contains
show vsys <name> profiles hip-objects <name> host-info criteria client-version
show vsys <name> profiles hip-objects <name> host-info criteria client-version
show vsys <name> profiles hip-objects <name> host-info criteria host-name
show vsys <name> profiles hip-objects <name> host-info criteria host-name
show vsys <name> profiles hip-objects <name> host-info criteria host-id
show vsys <name> profiles hip-objects <name> host-info criteria host-id
show vsys <name> profiles hip-objects <name> host-info criteria serial-number
show vsys <name> profiles hip-objects <name> host-info criteria serial-number
show vsys <name> profiles hip-objects <name> network-info
show vsys <name> profiles hip-objects <name> network-info criteria
show vsys <name> profiles hip-objects <name> network-info criteria network
```

```
show vsys <name> profiles hip-objects <name> network-info criteria network is
show vsys <name> profiles hip-objects <name> network-info criteria network is wifi
show vsys <name> profiles hip-objects <name> network-info criteria network is mobile
show vsys <name> profiles hip-objects <name> network-info criteria network is unknown
show vsys <name> profiles hip-objects <name> network-info criteria network is-not
show vsys <name> profiles hip-objects <name> network-info criteria network is-not wifi
show vsys <name> profiles hip-objects <name> network-info criteria network is-not mobile
show vsys <name> profiles hip-objects <name> network-info criteria network is-not ethernet
show vsys <name> profiles hip-objects <name> network-info criteria network is-not unknown
show vsys <name> profiles hip-objects <name> patch-management
show vsys <name> profiles hip-objects <name> patch-management criteria
show vsys <name> profiles hip-objects <name> patch-management criteria missing-patches
show vsys <name> profiles hip-objects <name> patch-management criteria missing-patches
severity
show vsys <name> profiles hip-objects <name> patch-management criteria missing-patches
severity
show vsys <name> profiles hip-objects <name> patch-management vendor
show vsys <name> profiles hip-objects <name> patch-management vendor <name>
show vsys <name> profiles hip-objects <name> data-loss-prevention
show vsys <name> profiles hip-objects <name> data-loss-prevention criteria
show vsys <name> profiles hip-objects <name> data-loss-prevention vendor
show vsys <name> profiles hip-objects <name> data-loss-prevention vendor <name>
show vsys <name> profiles hip-objects <name> firewall
show vsys <name> profiles hip-objects <name> firewall criteria
show vsys <name> profiles hip-objects <name> firewall vendor
show vsys <name> profiles hip-objects <name> firewall vendor <name>
show vsys <name> profiles hip-objects <name> anti-malware
show vsys <name> profiles hip-objects <name> anti-malware criteria
show vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version
show vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version
show vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version within
show vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version not-within
show vsys <name> profiles hip-objects <name> anti-malware criteria product-version
show vsys <name> profiles hip-objects <name> anti-malware criteria product-version
```

```
show vsys <name> profiles hip-objects <name> anti-malware criteria product-version within
show vsys <name> profiles hip-objects <name> anti-malware criteria product-version not-within
show vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time
show vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time
show vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time not-available
show vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time within
show vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time not-within
show vsys <name> profiles hip-objects <name> anti-malware vendor
show vsys <name> profiles hip-objects <name> anti-malware vendor <name>
show vsys <name> profiles hip-objects <name> disk-backup
show vsys <name> profiles hip-objects <name> disk-backup criteria
show vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time
show vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time
show vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time not-
available
show vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time within
show vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time not-within
show vsys <name> profiles hip-objects <name> disk-backup vendor
show vsys <name> profiles hip-objects <name> disk-backup vendor <name>
show vsys <name> profiles hip-objects <name> disk-encryption
show vsys <name> profiles hip-objects <name> disk-encryption criteria
show vsys <name> profiles hip-objects <name> disk-encryption criteria encrypted-locations
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<name> encryption-state
show vsys <name> profiles hip-objects <name> disk-encryption vendor
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show vsys <name> profiles hip-objects <name> custom-checks criteria
show vsys <name> profiles hip-objects <name> custom-checks criteria process-list
show vsys <name> profiles hip-objects <name> custom-checks criteria process-list <name>
show vsys <name> profiles hip-objects <name> custom-checks criteria registry-key
show vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name>
```



```
show vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name>
registry-value
show vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name>
registry-value <name>
show vsys <name> profiles hip-objects <name> custom-checks criteria plist
show vsys <name> profiles hip-objects <name> custom-checks criteria plist <name>
show vsys <name> profiles hip-objects <name> custom-checks criteria plist <name> key
show vsys <name> profiles hip-objects <name> custom-checks criteria plist <name> key <name>
show vsys <name> profiles hip-objects <name> mobile-device
show vsys <name> profiles hip-objects <name> mobile-device criteria
show vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time
show vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time
show vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time within
show vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time not-
within
show vsys <name> profiles hip-objects <name> mobile-device criteria imei
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show vsys <name> profiles hip-objects <name> mobile-device criteria phone-number
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show vsys <name> profiles hip-objects <name> mobile-device criteria tag
show vsys <name> profiles hip-objects <name> mobile-device criteria applications
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show vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware
no
show vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware
yes
show vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware
yes excludes
show vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware
yes excludes <name>
show vsys <name> profiles hip-objects <name> mobile-device criteria applications includes
show vsys <name> profiles hip-objects <name> mobile-device criteria applications includes
<name>
```

```
show vsys <name> profiles hip-objects <name> certificate
show vsys <name> profiles hip-objects <name> certificate criteria
show vsys <name> profiles hip-objects <name> certificate criteria certificate-attributes
show vsys <name> profiles hip-objects <name> certificate criteria certificate-attributes <name>
show vsys <name> profiles virus
show vsys <name> profiles virus <name>
show vsys <name> profiles virus <name> mlav-engine-filebased-enabled
show vsys <name> profiles virus <name> mlav-engine-filebased-enabled <name>
show vsys <name> profiles virus <name> decoder
show vsys <name> profiles virus <name> decoder <name>
show vsys <name> profiles virus <name> application
show vsys <name> profiles virus <name> application <name>
show vsys <name> profiles virus <name> threat-exception
show vsys <name> profiles virus <name> threat-exception <name>
show vsys <name> profiles virus <name> mlav-exception
show vsys <name> profiles virus <name> mlav-exception <name>
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show vsys <name> profiles spyware <name>
show vsys <name> profiles spyware <name> botnet-domains
show vsys <name> profiles spyware <name> botnet-domains lists
show vsys <name> profiles spyware <name> botnet-domains lists <name>
show vsys <name> profiles spyware <name> botnet-domains lists <name> action
show vsys <name> profiles spyware <name> botnet-domains lists <name> action alert
show vsys <name> profiles spyware <name> botnet-domains lists <name> action allow
show vsys <name> profiles spyware <name> botnet-domains lists <name> action block
show vsys <name> profiles spyware <name> botnet-domains lists <name> action sinkhole
show vsys <name> profiles spyware <name> botnet-domains dns-security-categories
show vsys <name> profiles spyware <name> botnet-domains dns-security-categories <name>
show vsys <name> profiles spyware <name> botnet-domains whitelist
show vsys <name> profiles spyware <name> botnet-domains whitelist <name>
show vsys <name> profiles spyware <name> botnet-domains sinkhole
show vsys <name> profiles spyware <name> botnet-domains threat-exception
show vsys <name> profiles spyware <name> botnet-domains threat-exception <name>
```

```
show vsys <name> profiles spyware <name> rules
show vsys <name> profiles spyware <name> rules <name>
show vsys <name> profiles spyware <name> rules <name> action
show vsys <name> profiles spyware <name> rules <name> action default
show vsys <name> profiles spyware <name> rules <name> action allow
show vsys <name> profiles spyware <name> rules <name> action alert
show vsys <name> profiles spyware <name> rules <name> action drop
show vsys <name> profiles spyware <name> rules <name> action reset-client
show vsys <name> profiles spyware <name> rules <name> action reset-server
show vsys <name> profiles spyware <name> rules <name> action reset-both
show vsys <name> profiles spyware <name> rules <name> action block-ip
show vsys <name> profiles spyware <name> threat-exception
show vsys <name> profiles spyware <name> threat-exception <name>
show vsys <name> profiles spyware <name> threat-exception <name> action
show vsys <name> profiles spyware <name> threat-exception <name> action default
show vsys <name> profiles spyware <name> threat-exception <name> action allow
show vsys <name> profiles spyware <name> threat-exception <name> action alert
show vsys <name> profiles spyware <name> threat-exception <name> action drop
show vsys <name> profiles spyware <name> threat-exception <name> action reset-both
show vsys <name> profiles spyware <name> threat-exception <name> action reset-client
show vsys <name> profiles spyware <name> threat-exception <name> action reset-server
show vsys <name> profiles spyware <name> threat-exception <name> action block-ip
show vsys <name> profiles spyware <name> threat-exception <name> exempt-ip
show vsys <name> profiles spyware <name> threat-exception <name> exempt-ip <name>
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show vsys <name> profiles vulnerability <name>
show vsys <name> profiles vulnerability <name> rules
show vsys <name> profiles vulnerability <name> rules <name>
show vsys <name> profiles vulnerability <name> rules <name> action
show vsys <name> profiles vulnerability <name> rules <name> action default
show vsys <name> profiles vulnerability <name> rules <name> action allow
show vsys <name> profiles vulnerability <name> rules <name> action alert
show vsys <name> profiles vulnerability <name> rules <name> action drop
```

```

show vsys <name> profiles vulnerability <name> rules <name> action reset-client
show vsys <name> profiles vulnerability <name> rules <name> action reset-server
show vsys <name> profiles vulnerability <name> rules <name> action reset-both
show vsys <name> profiles vulnerability <name> rules <name> action block-ip
show vsys <name> profiles vulnerability <name> threat-exception
show vsys <name> profiles vulnerability <name> threat-exception <name>
show vsys <name> profiles vulnerability <name> threat-exception <name> action
show vsys <name> profiles vulnerability <name> threat-exception <name> action default
show vsys <name> profiles vulnerability <name> threat-exception <name> action allow
show vsys <name> profiles vulnerability <name> threat-exception <name> action alert
show vsys <name> profiles vulnerability <name> threat-exception <name> action drop
show vsys <name> profiles vulnerability <name> threat-exception <name> action reset-client
show vsys <name> profiles vulnerability <name> threat-exception <name> action reset-server
show vsys <name> profiles vulnerability <name> threat-exception <name> action reset-both
show vsys <name> profiles vulnerability <name> threat-exception <name> action block-ip
show vsys <name> profiles vulnerability <name> threat-exception <name> time-attribute
show vsys <name> profiles vulnerability <name> threat-exception <name> exempt-ip
show vsys <name> profiles vulnerability <name> threat-exception <name> exempt-ip <name>
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show vsys <name> profiles url-filtering <name>
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show vsys <name> profiles url-filtering <name> credential-enforcement mode
show vsys <name> profiles url-filtering <name> credential-enforcement mode disabled
show vsys <name> profiles url-filtering <name> credential-enforcement mode ip-user
show vsys <name> profiles url-filtering <name> credential-enforcement mode domain-credentials
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show vsys <name> profiles url-filtering <name> http-header-insertion <name>
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headers
show vsys <name> profiles url-filtering <name> http-header-insertion <name> type <name>
headers <name>
show vsys <name> profiles url-filtering <name> mlav-engine-urlbased-enabled

```

```
show vsys <name> profiles url-filtering <name> mlav-engine-urlbased-enabled <name>
show vsys <name> profiles file-blocking
show vsys <name> profiles file-blocking <name>
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show vsys <name> profiles file-blocking <name> rules <name>
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show vsys <name> profiles wildfire-analysis <name>
show vsys <name> profiles wildfire-analysis <name> rules
show vsys <name> profiles wildfire-analysis <name> rules <name>
show vsys <name> profiles custom-url-category
show vsys <name> profiles custom-url-category <name>
show vsys <name> profiles data-objects
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show vsys <name> profiles data-objects <name> pattern-type predefined pattern
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show vsys <name> profiles data-filtering <name> rules <name>
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show vsys <name> profiles hip-profiles <name>
show vsys <name> profiles dos-protection
show vsys <name> profiles dos-protection <name>
show vsys <name> profiles dos-protection <name> flood
show vsys <name> profiles dos-protection <name> flood tcp-syn
```

```
show vsys <name> profiles dos-protection <name> flood tcp-syn
show vsys <name> profiles dos-protection <name> flood tcp-syn red
show vsys <name> profiles dos-protection <name> flood tcp-syn red block
show vsys <name> profiles dos-protection <name> flood tcp-syn syn-cookies
show vsys <name> profiles dos-protection <name> flood tcp-syn syn-cookies block
show vsys <name> profiles dos-protection <name> flood udp
show vsys <name> profiles dos-protection <name> flood udp red
show vsys <name> profiles dos-protection <name> flood udp red block
show vsys <name> profiles dos-protection <name> flood icmp
show vsys <name> profiles dos-protection <name> flood icmp red
show vsys <name> profiles dos-protection <name> flood icmp red block
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show vsys <name> profiles dos-protection <name> flood icmpv6 red
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show vsys <name> profiles dos-protection <name> flood other-ip red
show vsys <name> profiles dos-protection <name> flood other-ip red block
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show vsys <name> profiles dos-protection <name> resource sessions
show vsys <name> profiles sdwan-path-quality
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show vsys <name> profiles sdwan-path-quality <name> metric latency
show vsys <name> profiles sdwan-path-quality <name> metric pkt-loss
show vsys <name> profiles sdwan-path-quality <name> metric jitter
show vsys <name> profiles sdwan-traffic-distribution
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show vsys <name> profiles sdwan-saas-quality
show vsys <name> profiles sdwan-saas-quality <name>
show vsys <name> profiles sdwan-saas-quality <name> monitor-mode
show vsys <name> profiles sdwan-saas-quality <name> monitor-mode
```

```
show vsys <name> profiles sdwan-saas-quality <name> monitor-mode adaptive
show vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip
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show vsys <name> profiles sdwan-error-correction <name> mode forward-error-correction
show vsys <name> profiles sdwan-error-correction <name> mode packet-duplication
show vsys <name> profiles decryption
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show vsys <name> profiles decryption <name> ssl-inbound-proxy
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show vsys <name> profiles packet-broker <name> routed security-chain
show vsys <name> profiles packet-broker <name> routed security-chain <name>
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show vsys <name> profile-group
show vsys <name> profile-group <name>
show vsys <name> service
show vsys <name> service <name>
show vsys <name> service <name> protocol
```

```
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show vsys <name> service <name> protocol tcp override
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show vsys <name> service <name> protocol tcp override yes
show vsys <name> service <name> protocol udp
show vsys <name> service <name> protocol udp override
show vsys <name> service <name> protocol udp override no
show vsys <name> service <name> protocol udp override yes
show vsys <name> service-group
show vsys <name> service-group <name>
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show vsys <name> reports <name> type appstat
show vsys <name> reports <name> type decryption
show vsys <name> reports <name> type desum
show vsys <name> reports <name> type threat
show vsys <name> reports <name> type url
show vsys <name> reports <name> type wildfire
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show vsys <name> reports <name> type thsum
show vsys <name> reports <name> type traffic
show vsys <name> reports <name> type urlsum
show vsys <name> reports <name> type trsum
show vsys <name> reports <name> type tunnel
show vsys <name> reports <name> type tunnelsum
show vsys <name> reports <name> type userid
show vsys <name> reports <name> type auth
show vsys <name> reports <name> type iptag
show vsys <name> reports <name> type hipmatch
show vsys <name> reports <name> type globalprotect
show vsys <name> report-group
show vsys <name> report-group <name>
```



```
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show vsys <name> report-group <name> selected-user-group
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show vsys <name> pdf-summary-report <name> custom-widget
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show vsys <name> email-scheduler <name>
show vsys <name> email-scheduler <name> recurring
show vsys <name> email-scheduler <name> recurring disabled
show vsys <name> email-scheduler <name> recurring daily
show vsys <name> external-list
show vsys <name> external-list <name>
show vsys <name> external-list <name> type
show vsys <name> external-list <name> type predefined-ip
show vsys <name> external-list <name> type predefined-url
show vsys <name> external-list <name> type ip
show vsys <name> external-list <name> type ip auth
show vsys <name> external-list <name> type ip recurring
show vsys <name> external-list <name> type ip recurring
```

```
show vsys <name> external-list <name> type ip recurring five-minute
show vsys <name> external-list <name> type ip recurring hourly
show vsys <name> external-list <name> type ip recurring daily
show vsys <name> external-list <name> type ip recurring weekly
show vsys <name> external-list <name> type ip recurring monthly
show vsys <name> external-list <name> type domain
show vsys <name> external-list <name> type domain auth
show vsys <name> external-list <name> type domain recurring
show vsys <name> external-list <name> type domain recurring
show vsys <name> external-list <name> type domain recurring hourly
show vsys <name> external-list <name> type domain recurring five-minute
show vsys <name> external-list <name> type domain recurring daily
show vsys <name> external-list <name> type domain recurring weekly
show vsys <name> external-list <name> type domain recurring monthly
show vsys <name> external-list <name> type url
show vsys <name> external-list <name> type url auth
show vsys <name> external-list <name> type url recurring
show vsys <name> external-list <name> type url recurring
show vsys <name> external-list <name> type url recurring hourly
show vsys <name> external-list <name> type url recurring five-minute
show vsys <name> external-list <name> type url recurring daily
show vsys <name> external-list <name> type url recurring weekly
show vsys <name> external-list <name> type url recurring monthly
show vsys <name> address
show vsys <name> address <name>
show vsys <name> address <name>
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show vsys <name> dynamic-user-group
show vsys <name> dynamic-user-group <name>
show vsys <name> schedule
```

```
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show vsys <name> schedule <name> schedule-type recurring weekly
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show vsys <name> threats vulnerability <name> default-action alert
show vsys <name> threats vulnerability <name> default-action drop
show vsys <name> threats vulnerability <name> default-action reset-client
show vsys <name> threats vulnerability <name> default-action reset-server
show vsys <name> threats vulnerability <name> default-action reset-both
show vsys <name> threats vulnerability <name> default-action block-ip
show vsys <name> threats vulnerability <name> default-action allow
show vsys <name> threats vulnerability <name> signature
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show vsys <name> threats vulnerability <name> signature standard <name>
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show vsys <name> threats vulnerability <name> signature standard <name> and-condition
<name>
show vsys <name> threats vulnerability <name> signature standard <name> and-condition
<name> or-condition
show vsys <name> threats vulnerability <name> signature standard <name> and-condition
<name> or-condition <name>
show vsys <name> threats vulnerability <name> signature standard <name> and-condition
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show vsys <name> threats vulnerability <name> signature standard <name> and-condition
<name> or-condition <name> operator less-than
show vsys <name> threats vulnerability <name> signature standard <name> and-condition
<name> or-condition <name> operator less-than qualifier
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<name> or-condition <name> operator less-than qualifier <name>
show vsys <name> threats vulnerability <name> signature standard <name> and-condition
<name> or-condition <name> operator equal-to
```

show vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier

show vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier <name>

show vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than

show vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier

show vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier <name>

show vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match

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show vsys <name> threats vulnerability <name> signature combination time-attribute

show vsys <name> threats vulnerability <name> signature combination and-condition

show vsys <name> threats vulnerability <name> signature combination and-condition <name>

show vsys <name> threats vulnerability <name> signature combination and-condition <name> or-condition

show vsys <name> threats vulnerability <name> signature combination and-condition <name> or-condition <name>

show vsys <name> threats spyware

show vsys <name> threats spyware <name>

show vsys <name> threats spyware <name> default-action

show vsys <name> threats spyware <name> default-action alert

show vsys <name> threats spyware <name> default-action drop

show vsys <name> threats spyware <name> default-action reset-client

show vsys <name> threats spyware <name> default-action reset-server

show vsys <name> threats spyware <name> default-action reset-both

show vsys <name> threats spyware <name> default-action block-ip

show vsys <name> threats spyware <name> default-action allow

show vsys <name> threats spyware <name> signature

show vsys <name> threats spyware <name> signature standard

show vsys <name> threats spyware <name> signature standard <name>

show vsys <name> threats spyware <name> signature standard <name> and-condition

show vsys <name> threats spyware <name> signature standard <name> and-condition <name>

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name>

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator less-than

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier <name>

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier <name>

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier <name>

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match qualifier

show vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match qualifier <name>

show vsys <name> threats spyware <name> signature combination

show vsys <name> threats spyware <name> signature combination time-attribute

show vsys <name> threats spyware <name> signature combination and-condition

show vsys <name> threats spyware <name> signature combination and-condition <name>

show vsys <name> threats spyware <name> signature combination and-condition <name> or-condition

show vsys <name> threats spyware <name> signature combination and-condition <name> or-condition <name>

show vsys <name> application

show vsys <name> application <name>

show vsys <name> application <name> default

show vsys <name> application <name> default ident-by-icmp-type

show vsys <name> application <name> default ident-by-icmp6-type

show vsys <name> application <name> signature

show vsys <name> application <name> signature <name>

show vsys <name> application <name> signature <name> and-condition

show vsys <name> application <name> signature <name> and-condition <name>

show vsys <name> application <name> signature <name> and-condition <name> or-condition

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name>

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator pattern-match

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator pattern-match qualifier

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator pattern-match qualifier <name>

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator greater-than

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator greater-than qualifier

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator greater-than qualifier <name>

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator less-than

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator less-than qualifier

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator less-than qualifier <name>

show vsys <name> application <name> signature <name> and-condition <name> or-condition <name> operator equal-to

show vsys <name> application-tag

show vsys <name> application-tag <name>

```
show vsys <name> application-filter
show vsys <name> application-filter <name>
show vsys <name> application-filter <name> tagging
show vsys <name> application-group
show vsys <name> application-group <name>
show vsys <name> device-object
show vsys <name> device-object <name>
show vsys <name> region
show vsys <name> region <name>
show vsys <name> region <name> geo-location
show vsys <name> tag
show vsys <name> tag <name>
show vsys <name> authentication-object
show vsys <name> authentication-object <name>
show vsys <name> rulebase
show vsys <name> rulebase security
show vsys <name> rulebase security rules
show vsys <name> rulebase security rules <name>
show vsys <name> rulebase security rules <name> option
show vsys <name> rulebase security rules <name> profile-setting
show vsys <name> rulebase security rules <name> profile-setting profiles
show vsys <name> rulebase security rules <name> qos
show vsys <name> rulebase security rules <name> qos marking
show vsys <name> rulebase security rules <name> qos marking follow-c2s-flow
show vsys <name> rulebase default-security-rules
show vsys <name> rulebase default-security-rules rules
show vsys <name> rulebase default-security-rules rules <name>
show vsys <name> rulebase default-security-rules rules <name> profile-setting
show vsys <name> rulebase default-security-rules rules <name> profile-setting profiles
show vsys <name> rulebase application-override
show vsys <name> rulebase application-override rules
show vsys <name> rulebase application-override rules <name>
show vsys <name> rulebase decryption
```

```
show vsys <name> rulebase decryption rules
show vsys <name> rulebase decryption rules <name>
show vsys <name> rulebase decryption rules <name> type
show vsys <name> rulebase decryption rules <name> type ssl-forward-proxy
show vsys <name> rulebase decryption rules <name> type ssh-proxy
show vsys <name> rulebase authentication
show vsys <name> rulebase authentication rules
show vsys <name> rulebase authentication rules <name>
show vsys <name> rulebase tunnel-inspect
show vsys <name> rulebase tunnel-inspect rules
show vsys <name> rulebase tunnel-inspect rules <name>
show vsys <name> rulebase tunnel-inspect rules <name> tunnel-id
show vsys <name> rulebase tunnel-inspect rules <name> tunnel-id vni
show vsys <name> rulebase tunnel-inspect rules <name> tunnel-id vni <name>
show vsys <name> rulebase tunnel-inspect rules <name> inspect-options
show vsys <name> rulebase tunnel-inspect rules <name> zone-assign
show vsys <name> rulebase tunnel-inspect rules <name> monitor-options
show vsys <name> rulebase tunnel-inspect rules <name> monitor-options log-setting-override
show vsys <name> rulebase nat
show vsys <name> rulebase nat rules
show vsys <name> rulebase nat rules <name>
show vsys <name> rulebase nat rules <name> source-translation
show vsys <name> rulebase nat rules <name> source-translation
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port interface-
address
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port interface-
address
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback interface-
address
```



```
show vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback interface-  
address  
show vsys <name> rulebase nat rules <name> source-translation static-ip  
show vsys <name> rulebase nat rules <name>  
show vsys <name> rulebase nat rules <name> destination-translation  
show vsys <name> rulebase nat rules <name> destination-translation  
show vsys <name> rulebase nat rules <name> destination-translation dns-rewrite  
show vsys <name> rulebase nat rules <name> dynamic-destination-translation  
show vsys <name> rulebase qos  
show vsys <name> rulebase qos rules  
show vsys <name> rulebase qos rules <name>  
show vsys <name> rulebase qos rules <name> dscp-tos  
show vsys <name> rulebase qos rules <name> dscp-tos any  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints <name>  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints <name>  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> ef  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> af  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> cs  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> tos  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> custom  
show vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> custom codepoint  
show vsys <name> rulebase qos rules <name> action  
show vsys <name> rulebase pbf  
show vsys <name> rulebase pbf rules  
show vsys <name> rulebase pbf rules <name>  
show vsys <name> rulebase pbf rules <name> from  
show vsys <name> rulebase pbf rules <name> from  
show vsys <name> rulebase pbf rules <name> action  
show vsys <name> rulebase pbf rules <name> action  
show vsys <name> rulebase pbf rules <name> action forward  
show vsys <name> rulebase pbf rules <name> action forward nexthop  
show vsys <name> rulebase pbf rules <name> action forward nexthop  
show vsys <name> rulebase pbf rules <name> action forward monitor
```

```
show vsys <name> rulebase pbf rules <name> action discard
show vsys <name> rulebase pbf rules <name> action no-pbf
show vsys <name> rulebase pbf rules <name> enforce-symmetric-return
show vsys <name> rulebase pbf rules <name> enforce-symmetric-return nexthop-address-list
show vsys <name> rulebase pbf rules <name> enforce-symmetric-return nexthop-address-list
<name>
show vsys <name> rulebase sdwan
show vsys <name> rulebase sdwan rules
show vsys <name> rulebase sdwan rules <name>
show vsys <name> rulebase sdwan rules <name> action
show vsys <name> rulebase dos
show vsys <name> rulebase dos rules
show vsys <name> rulebase dos rules <name>
show vsys <name> rulebase dos rules <name> from
show vsys <name> rulebase dos rules <name> from
show vsys <name> rulebase dos rules <name> to
show vsys <name> rulebase dos rules <name> to
show vsys <name> rulebase dos rules <name> protection
show vsys <name> rulebase dos rules <name> protection aggregate
show vsys <name> rulebase dos rules <name> protection classified
show vsys <name> rulebase dos rules <name> protection classified classification-criteria
show vsys <name> rulebase dos rules <name> action
show vsys <name> rulebase dos rules <name> action
show vsys <name> rulebase dos rules <name> action deny
show vsys <name> rulebase dos rules <name> action allow
show vsys <name> rulebase dos rules <name> action protect
show vsys <name> rulebase network-packet-broker
show vsys <name> rulebase network-packet-broker rules
show vsys <name> rulebase network-packet-broker rules <name>
show vsys <name> rulebase network-packet-broker rules <name> traffic-type
show vsys <name> rulebase network-packet-broker rules <name> action
set deviceconfig
set deviceconfig system
set deviceconfig system type
```

```
set deviceconfig system type
set deviceconfig system type static
set deviceconfig system type dhcp-client
set deviceconfig system type dhcp-client send-hostname <yes|no>
set deviceconfig system type dhcp-client send-client-id <yes|no>
set deviceconfig system type dhcp-client accept-dhcp-hostname <yes|no>
set deviceconfig system type dhcp-client accept-dhcp-domain <yes|no>
set deviceconfig system login-banner <value>
set deviceconfig system ack-login-banner <yes|no>
set deviceconfig system hostname <value>
set deviceconfig system domain <value>
set deviceconfig system speed-duplex <auto-negotiate|10Mbps-half-duplex|10Mbps-full-duplex|
100Mbps-half-duplex|100Mbps-full-duplex|1Gbps-half-duplex|1Gbps-full-duplex>
set deviceconfig system mtu <576-1500>
set deviceconfig system ip-address <ip/netmask>
set deviceconfig system netmask <value>
set deviceconfig system default-gateway <ip/netmask>
set deviceconfig system ipv6-address <ip/netmask>
set deviceconfig system ipv6-default-gateway <ip/netmask>
set deviceconfig system authentication-profile <value>
set deviceconfig system non-ui-authentication-profile <value>
set deviceconfig system certificate-profile <value>
set deviceconfig system syslog-certificate <value>
set deviceconfig system ssl-tls-service-profile <value>
set deviceconfig system dns-setting
set deviceconfig system dns-setting
set deviceconfig system dns-setting servers
set deviceconfig system dns-setting servers primary <ip/netmask>
set deviceconfig system dns-setting servers secondary <ip/netmask>
set deviceconfig system dns-setting dns-proxy-object <value>
set deviceconfig system fqdn-refresh-time <0-14399>
set deviceconfig system fqdn-stale-entry-timeout <0-10080>
set deviceconfig system panorama
set deviceconfig system panorama
```

```
set deviceconfig system panorama local-panorama
set deviceconfig system panorama local-panorama panorama-server <value>
set deviceconfig system panorama local-panorama panorama-server-2 <value>
set deviceconfig system ntp-servers
set deviceconfig system ntp-servers primary-ntp-server
set deviceconfig system ntp-servers primary-ntp-server ntp-server-address <value>
set deviceconfig system ntp-servers primary-ntp-server authentication-type
set deviceconfig system ntp-servers primary-ntp-server authentication-type none
set deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
set deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key key-id
<1-65534>
set deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
algorithm
set deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
algorithm md5
set deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
algorithm md5 authentication-key <value>
set deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
algorithm sha1
set deviceconfig system ntp-servers primary-ntp-server authentication-type symmetric-key
algorithm sha1 authentication-key <value>
set deviceconfig system ntp-servers primary-ntp-server authentication-type autokey
set deviceconfig system ntp-servers secondary-ntp-server
set deviceconfig system ntp-servers secondary-ntp-server ntp-server-address <value>
set deviceconfig system ntp-servers secondary-ntp-server authentication-type
set deviceconfig system ntp-servers secondary-ntp-server authentication-type none
set deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
set deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
key-id <1-65534>
set deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
algorithm
set deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
algorithm md5
set deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
algorithm md5 authentication-key <value>
set deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
algorithm sha1
```

```

set deviceconfig system ntp-servers secondary-ntp-server authentication-type symmetric-key
algorithm sha1 authentication-key <value>
set deviceconfig system ntp-servers secondary-ntp-server authentication-type autokey
set deviceconfig system update-server <value>
set deviceconfig system server-verification <yes|no>
set deviceconfig system secure-proxy-server <value>
set deviceconfig system secure-proxy-port <1-65535>
set deviceconfig system secure-proxy-user <value>
set deviceconfig system secure-proxy-password <value>
set deviceconfig system lcaas-use-proxy <yes|no>
set deviceconfig system auto-renew-mkey-lifetime <0-17520>
set deviceconfig system hsm-settings
set deviceconfig system hsm-settings provider
set deviceconfig system hsm-settings provider
set deviceconfig system hsm-settings provider safenet-network
set deviceconfig system hsm-settings provider safenet-network hsm-server
set deviceconfig system hsm-settings provider safenet-network hsm-server <name>
set deviceconfig system hsm-settings provider safenet-network hsm-server <name> server-
address <ip/netmask>
set deviceconfig system hsm-settings provider safenet-network ha
set deviceconfig system hsm-settings provider safenet-network ha auto-recovery-retry <0-500>
set deviceconfig system hsm-settings provider safenet-network ha ha-group-name <value>
set deviceconfig system hsm-settings provider ncipher-nshield-connect
set deviceconfig system hsm-settings provider ncipher-nshield-connect hsm-server
set deviceconfig system hsm-settings provider ncipher-nshield-connect hsm-server <name>
set deviceconfig system hsm-settings provider ncipher-nshield-connect hsm-server <name>
server-address <ip/netmask>
set deviceconfig system hsm-settings provider ncipher-nshield-connect rfs-address <ip/netmask>
set deviceconfig system hsm-settings provider none
set deviceconfig system ssh
set deviceconfig system ssh profiles
set deviceconfig system ssh profiles ha-profiles
set deviceconfig system ssh profiles ha-profiles <name>
set deviceconfig system ssh profiles ha-profiles <name> ciphers [ <ciphers1> <ciphers2>... ]

```

```

set deviceconfig system ssh profiles ha-profiles <name> mac [ <mac1> <mac2>... ]
set deviceconfig system ssh profiles ha-profiles <name> kex [ <kex1> <kex2>... ]
set deviceconfig system ssh profiles ha-profiles <name> default-hostkey
set deviceconfig system ssh profiles ha-profiles <name> default-hostkey key-type
set deviceconfig system ssh profiles ha-profiles <name> default-hostkey key-type ECDSA <256|
384|521>
set deviceconfig system ssh profiles ha-profiles <name> default-hostkey key-type RSA <2048|
3072|4096>
set deviceconfig system ssh profiles ha-profiles <name> session-rekey
set deviceconfig system ssh profiles ha-profiles <name> session-rekey data <10-4000>|<default>
set deviceconfig system ssh profiles ha-profiles <name> session-rekey interval <10-3600>|
<default>
set deviceconfig system ssh profiles ha-profiles <name> session-rekey packets <12-27>|<default>
set deviceconfig system ssh profiles mgmt-profiles
set deviceconfig system ssh profiles mgmt-profiles server-profiles
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name>
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> ciphers [ <ciphers1>
<ciphers2>... ]
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> mac [ <mac1>
<mac2>... ]
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> kex [ <kex1>
<kex2>... ]
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey key-
type
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey key-
type ECDSA <256|384|521>
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey key-
type RSA <2048|3072|4096>
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> default-hostkey key-
type all
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey data
<10-4000>|<default>
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey interval
<10-3600>|<default>
set deviceconfig system ssh profiles mgmt-profiles server-profiles <name> session-rekey packets
<12-27>|<default>

```

```
set deviceconfig system ssh ha
set deviceconfig system ssh ha ha-profile <value>
set deviceconfig system ssh mgmt
set deviceconfig system ssh mgmt server-profile <value>
set deviceconfig system ssh regenerate-hostkeys
set deviceconfig system ssh regenerate-hostkeys ha
set deviceconfig system ssh regenerate-hostkeys ha key-type
set deviceconfig system ssh regenerate-hostkeys ha key-type ECDSA
set deviceconfig system ssh regenerate-hostkeys ha key-type ECDSA key-length <256|384|521>
set deviceconfig system ssh regenerate-hostkeys ha key-type RSA
set deviceconfig system ssh regenerate-hostkeys ha key-type RSA key-length <2048|3072|4096>
set deviceconfig system ssh regenerate-hostkeys mgmt
set deviceconfig system ssh regenerate-hostkeys mgmt key-type
set deviceconfig system ssh regenerate-hostkeys mgmt key-type ECDSA
set deviceconfig system ssh regenerate-hostkeys mgmt key-type ECDSA key-length <256|384|521>
set deviceconfig system ssh regenerate-hostkeys mgmt key-type RSA
set deviceconfig system ssh regenerate-hostkeys mgmt key-type RSA key-length <2048|3072|4096>
set deviceconfig system device-telemetry
set deviceconfig system device-telemetry product-usage <yes|no>
set deviceconfig system device-telemetry device-health-performance <yes|no>
set deviceconfig system device-telemetry threat-prevention <yes|no>
set deviceconfig system device-telemetry region <value>
set deviceconfig system snmp-setting
set deviceconfig system snmp-setting snmp-system
set deviceconfig system snmp-setting snmp-system location <value>
set deviceconfig system snmp-setting snmp-system contact <value>
set deviceconfig system snmp-setting snmp-system send-event-specific-traps <yes|no>
set deviceconfig system snmp-setting access-setting
set deviceconfig system snmp-setting access-setting version
set deviceconfig system snmp-setting access-setting version v2c
set deviceconfig system snmp-setting access-setting version v2c snmp-community-string <value>
set deviceconfig system snmp-setting access-setting version v3
```

```

set deviceconfig system snmp-setting access-setting version v3 views
set deviceconfig system snmp-setting access-setting version v3 views <name>
set deviceconfig system snmp-setting access-setting version v3 views <name> view
set deviceconfig system snmp-setting access-setting version v3 views <name> view <name>
set deviceconfig system snmp-setting access-setting version v3 views <name> view <name> oid
<value>
set deviceconfig system snmp-setting access-setting version v3 views <name> view <name>
option <include|exclude>
set deviceconfig system snmp-setting access-setting version v3 views <name> view <name> mask
<value>
set deviceconfig system snmp-setting access-setting version v3 users
set deviceconfig system snmp-setting access-setting version v3 users <name>
set deviceconfig system snmp-setting access-setting version v3 users <name> view <value>
set deviceconfig system snmp-setting access-setting version v3 users <name> authpwd <value>
set deviceconfig system snmp-setting access-setting version v3 users <name> privpwd <value>
set deviceconfig system snmp-setting access-setting version v3 users <name> authproto <SHA|
SHA-224|SHA-256|SHA-384|SHA-512>
set deviceconfig system snmp-setting access-setting version v3 users <name> privproto <AES|
AES-192|AES-256>
set deviceconfig system locale <value>|<en|es|ja|fr|zh_CN|zh_TW>
set deviceconfig system domain-lookup-url <value>
set deviceconfig system ip-address-lookup-url <value>
set deviceconfig system geo-location
set deviceconfig system geo-location latitude <value>
set deviceconfig system geo-location longitude <value>
set deviceconfig system service
set deviceconfig system service disable-http <yes|no>
set deviceconfig system service disable-https <yes|no>
set deviceconfig system service disable-telnet <yes|no>
set deviceconfig system service disable-ssh <yes|no>
set deviceconfig system service disable-icmp <yes|no>
set deviceconfig system service disable-snmp <yes|no>
set deviceconfig system service disable-userid-service <yes|no>
set deviceconfig system service disable-userid-syslog-listener-ssl <yes|no>
set deviceconfig system service disable-userid-syslog-listener-udp <yes|no>

```



```

set deviceconfig system service disable-http-ocsp <yes|no>
set deviceconfig system permitted-ip
set deviceconfig system permitted-ip <name>
set deviceconfig system permitted-ip <name> description <value>
set deviceconfig system route
set deviceconfig system route service
set deviceconfig system route service <name>
set deviceconfig system route service <name> source
set deviceconfig system route service <name> source interface <value>
set deviceconfig system route service <name> source address <value>
set deviceconfig system route service <name> source-v6
set deviceconfig system route service <name> source-v6 interface <value>
set deviceconfig system route service <name> source-v6 address <value>
set deviceconfig system route destination
set deviceconfig system route destination <name>
set deviceconfig system route destination <name> source
set deviceconfig system route destination <name> source interface <value>
set deviceconfig system route destination <name> source address <value>
set deviceconfig system log-link
set deviceconfig system log-link <name>
set deviceconfig system log-link <name> url <value>
set deviceconfig system log-export-schedule
set deviceconfig system log-export-schedule <name>
set deviceconfig system log-export-schedule <name> description <value>
set deviceconfig system log-export-schedule <name> enable <yes|no>
set deviceconfig system log-export-schedule <name> log-type <traffic|threat|tunnel|userid|iptag|
auth|url|data|hipmatch|wildfire|decryption|globalprotect>
set deviceconfig system log-export-schedule <name> start-time <value>
set deviceconfig system log-export-schedule <name> protocol
set deviceconfig system log-export-schedule <name> protocol ftp
set deviceconfig system log-export-schedule <name> protocol ftp hostname <value>
set deviceconfig system log-export-schedule <name> protocol ftp port <1-65535>
set deviceconfig system log-export-schedule <name> protocol ftp path <value>
set deviceconfig system log-export-schedule <name> protocol ftp username <value>

```

```

set deviceconfig system log-export-schedule <name> protocol ftp password <value>
set deviceconfig system log-export-schedule <name> protocol ftp passive-mode <yes|no>
set deviceconfig system log-export-schedule <name> protocol scp
set deviceconfig system log-export-schedule <name> protocol scp hostname <value>
set deviceconfig system log-export-schedule <name> protocol scp port <1-65535>
set deviceconfig system log-export-schedule <name> protocol scp path <value>
set deviceconfig system log-export-schedule <name> protocol scp username <value>
set deviceconfig system log-export-schedule <name> protocol scp password <value>
set deviceconfig system update-schedule
set deviceconfig system update-schedule statistics-service
set deviceconfig system update-schedule statistics-service application-reports <yes|no>
set deviceconfig system update-schedule statistics-service threat-prevention-reports <yes|no>
set deviceconfig system update-schedule statistics-service threat-prevention-information <yes|no>
set deviceconfig system update-schedule statistics-service threat-prevention-pcap <yes|no>
set deviceconfig system update-schedule statistics-service passive-dns-monitoring <yes|no>
set deviceconfig system update-schedule statistics-service url-reports <yes|no>
set deviceconfig system update-schedule statistics-service health-performance-reports <yes|no>
set deviceconfig system update-schedule statistics-service file-identification-reports <yes|no>
set deviceconfig system update-schedule threats
set deviceconfig system update-schedule threats recurring
set deviceconfig system update-schedule threats recurring
set deviceconfig system update-schedule threats recurring none
set deviceconfig system update-schedule threats recurring every-30-mins
set deviceconfig system update-schedule threats recurring every-30-mins at <0-29>
set deviceconfig system update-schedule threats recurring every-30-mins action <download-only|download-and-install>
set deviceconfig system update-schedule threats recurring every-30-mins disable-new-content <yes|no>
set deviceconfig system update-schedule threats recurring hourly
set deviceconfig system update-schedule threats recurring hourly at <0-59>
set deviceconfig system update-schedule threats recurring hourly action <download-only|download-and-install>
set deviceconfig system update-schedule threats recurring hourly disable-new-content <yes|no>
set deviceconfig system update-schedule threats recurring daily

```

```
set deviceconfig system update-schedule threats recurring daily at <value>
set deviceconfig system update-schedule threats recurring daily action <download-only|
download-and-install>
set deviceconfig system update-schedule threats recurring daily disable-new-content <yes|no>
set deviceconfig system update-schedule threats recurring weekly
set deviceconfig system update-schedule threats recurring weekly day-of-week <sunday|monday|
tuesday|wednesday|thursday|friday|saturday>
set deviceconfig system update-schedule threats recurring weekly at <value>
set deviceconfig system update-schedule threats recurring weekly action <download-only|
download-and-install>
set deviceconfig system update-schedule threats recurring weekly disable-new-content <yes|no>
set deviceconfig system update-schedule threats recurring threshold <1-336>
set deviceconfig system update-schedule threats recurring new-app-threshold <1-336>
set deviceconfig system update-schedule threats recurring sync-to-peer <yes|no>
set deviceconfig system update-schedule app-profile
set deviceconfig system update-schedule app-profile recurring
set deviceconfig system update-schedule app-profile recurring
set deviceconfig system update-schedule app-profile recurring none
set deviceconfig system update-schedule app-profile recurring daily
set deviceconfig system update-schedule app-profile recurring daily at <value>
set deviceconfig system update-schedule app-profile recurring daily action <download-only|
download-and-install>
set deviceconfig system update-schedule app-profile recurring weekly
set deviceconfig system update-schedule app-profile recurring weekly day-of-week <sunday|
monday|tuesday|wednesday|thursday|friday|saturday>
set deviceconfig system update-schedule app-profile recurring weekly at <value>
set deviceconfig system update-schedule app-profile recurring weekly action <download-only|
download-and-install>
set deviceconfig system update-schedule app-profile recurring threshold <1-336>
set deviceconfig system update-schedule app-profile recurring sync-to-peer <yes|no>
set deviceconfig system update-schedule anti-virus
set deviceconfig system update-schedule anti-virus recurring
set deviceconfig system update-schedule anti-virus recurring
set deviceconfig system update-schedule anti-virus recurring none
set deviceconfig system update-schedule anti-virus recurring hourly
```

```
set deviceconfig system update-schedule anti-virus recurring hourly at <0-59>
set deviceconfig system update-schedule anti-virus recurring hourly action <download-only|
download-and-install>
set deviceconfig system update-schedule anti-virus recurring daily
set deviceconfig system update-schedule anti-virus recurring daily at <value>
set deviceconfig system update-schedule anti-virus recurring daily action <download-only|
download-and-install>
set deviceconfig system update-schedule anti-virus recurring weekly
set deviceconfig system update-schedule anti-virus recurring weekly day-of-week <sunday|
monday|tuesday|wednesday|thursday|friday|saturday>
set deviceconfig system update-schedule anti-virus recurring weekly at <value>
set deviceconfig system update-schedule anti-virus recurring weekly action <download-only|
download-and-install>
set deviceconfig system update-schedule anti-virus recurring threshold <1-336>
set deviceconfig system update-schedule anti-virus recurring sync-to-peer <yes|no>
set deviceconfig system update-schedule wildfire
set deviceconfig system update-schedule wildfire recurring
set deviceconfig system update-schedule wildfire recurring
set deviceconfig system update-schedule wildfire recurring none
set deviceconfig system update-schedule wildfire recurring real-time
set deviceconfig system update-schedule wildfire recurring every-min
set deviceconfig system update-schedule wildfire recurring every-min action <download-only|
download-and-install>
set deviceconfig system update-schedule wildfire recurring every-min sync-to-peer <yes|no>
set deviceconfig system update-schedule wildfire recurring every-15-mins
set deviceconfig system update-schedule wildfire recurring every-15-mins at <0-14>
set deviceconfig system update-schedule wildfire recurring every-15-mins action <download-
only|download-and-install>
set deviceconfig system update-schedule wildfire recurring every-15-mins sync-to-peer <yes|no>
set deviceconfig system update-schedule wildfire recurring every-30-mins
set deviceconfig system update-schedule wildfire recurring every-30-mins at <0-29>
set deviceconfig system update-schedule wildfire recurring every-30-mins action <download-
only|download-and-install>
set deviceconfig system update-schedule wildfire recurring every-30-mins sync-to-peer <yes|no>
set deviceconfig system update-schedule wildfire recurring every-hour
set deviceconfig system update-schedule wildfire recurring every-hour at <0-59>
```

```

set deviceconfig system update-schedule wildfire recurring every-hour action <download-only|
download-and-install>
set deviceconfig system update-schedule wildfire recurring every-hour sync-to-peer <yes|no>
set deviceconfig system update-schedule wf-private
set deviceconfig system update-schedule wf-private recurring
set deviceconfig system update-schedule wf-private recurring
set deviceconfig system update-schedule wf-private recurring none
set deviceconfig system update-schedule wf-private recurring every-5-mins
set deviceconfig system update-schedule wf-private recurring every-5-mins at <0-4>
set deviceconfig system update-schedule wf-private recurring every-5-mins action <download-
only|download-and-install>
set deviceconfig system update-schedule wf-private recurring every-15-mins
set deviceconfig system update-schedule wf-private recurring every-15-mins at <0-14>
set deviceconfig system update-schedule wf-private recurring every-15-mins action <download-
only|download-and-install>
set deviceconfig system update-schedule wf-private recurring every-30-mins
set deviceconfig system update-schedule wf-private recurring every-30-mins at <0-29>
set deviceconfig system update-schedule wf-private recurring every-30-mins action <download-
only|download-and-install>
set deviceconfig system update-schedule wf-private recurring every-hour
set deviceconfig system update-schedule wf-private recurring every-hour at <0-59>
set deviceconfig system update-schedule wf-private recurring every-hour action <download-only|
download-and-install>
set deviceconfig system update-schedule wf-private recurring sync-to-peer <yes|no>
set deviceconfig system update-schedule global-protect-clientless-vpn
set deviceconfig system update-schedule global-protect-clientless-vpn recurring
set deviceconfig system update-schedule global-protect-clientless-vpn recurring
set deviceconfig system update-schedule global-protect-clientless-vpn recurring none
set deviceconfig system update-schedule global-protect-clientless-vpn recurring hourly
set deviceconfig system update-schedule global-protect-clientless-vpn recurring hourly at <0-59>
set deviceconfig system update-schedule global-protect-clientless-vpn recurring hourly action
<download-and-install|download-only>
set deviceconfig system update-schedule global-protect-clientless-vpn recurring daily
set deviceconfig system update-schedule global-protect-clientless-vpn recurring daily at <value>
set deviceconfig system update-schedule global-protect-clientless-vpn recurring daily action
<download-and-install|download-only>

```

```

set deviceconfig system update-schedule global-protect-clientless-vpn recurring weekly
set deviceconfig system update-schedule global-protect-clientless-vpn recurring weekly day-of-week <sunday|monday|tuesday|wednesday|thursday|friday|saturday>
set deviceconfig system update-schedule global-protect-clientless-vpn recurring weekly at <value>
set deviceconfig system update-schedule global-protect-clientless-vpn recurring weekly action <download-and-install|download-only>
set deviceconfig system update-schedule global-protect-datafile
set deviceconfig system update-schedule global-protect-datafile recurring
set deviceconfig system update-schedule global-protect-datafile recurring
set deviceconfig system update-schedule global-protect-datafile recurring none
set deviceconfig system update-schedule global-protect-datafile recurring hourly
set deviceconfig system update-schedule global-protect-datafile recurring hourly at <0-59>
set deviceconfig system update-schedule global-protect-datafile recurring hourly action <download-and-install|download-only>
set deviceconfig system update-schedule global-protect-datafile recurring daily
set deviceconfig system update-schedule global-protect-datafile recurring daily at <value>
set deviceconfig system update-schedule global-protect-datafile recurring daily action <download-and-install>
set deviceconfig system update-schedule global-protect-datafile recurring weekly
set deviceconfig system update-schedule global-protect-datafile recurring weekly day-of-week <sunday|monday|tuesday|wednesday|thursday|friday|saturday>
set deviceconfig system update-schedule global-protect-datafile recurring weekly at <value>
set deviceconfig system update-schedule global-protect-datafile recurring weekly action <download-and-install|download-only>
set deviceconfig system motd-and-banner
set deviceconfig system motd-and-banner motd-enable <yes|no>
set deviceconfig system motd-and-banner message <value>
set deviceconfig system motd-and-banner motd-do-not-display-again <yes|no>
set deviceconfig system motd-and-banner motd-title <value>
set deviceconfig system motd-and-banner motd-color <color1|color2|color3|color4|color5|color6|color7|color8|color9|color10|color11|color12|color13|color14|color15|color16|color17>
set deviceconfig system motd-and-banner severity <warning|question|error|info>
set deviceconfig system motd-and-banner banner-header <value>
set deviceconfig system motd-and-banner banner-header-color <color1|color2|color3|color4|color5|color6|color7|color8|color9|color10|color11|color12|color13|color14|color15|color16|color17>

```

set deviceconfig system motd-and-banner banner-header-text-color <color1|color2|color3|color4|color5|color6|color7|color8|color9|color10|color11|color12|color13|color14|color15|color16|color17|color18>

set deviceconfig system motd-and-banner banner-header-footer-match <yes|no>

set deviceconfig system motd-and-banner banner-footer <value>

set deviceconfig system motd-and-banner banner-footer-color <color1|color2|color3|color4|color5|color6|color7|color8|color9|color10|color11|color12|color13|color14|color15|color16|color17>

set deviceconfig system motd-and-banner banner-footer-text-color <color1|color2|color3|color4|color5|color6|color7|color8|color9|color10|color11|color12|color13|color14|color15|color16|color17|color18>

set deviceconfig system timezone <Africa/Abidjan|Africa/Accra|Africa/Addis_Ababa|Africa/Algiers|Africa/Asmara|Africa/Asmera|Africa/Bamako|Africa/Bangui|Africa/Banjul|Africa/Bissau|Africa/Blantyre|Africa/Brazzaville|Africa/Bujumbura|Africa/Cairo|Africa/Casablanca|Africa/Ceuta|Africa/Conakry|Africa/Dakar|Africa/Dar_es_Salaam|Africa/Djibouti|Africa/Douala|Africa/El_Aaiun|Africa/Freetown|Africa/Gaborone|Africa/Harare|Africa/Johannesburg|Africa/Kampala|Africa/Khartoum|Africa/Kigali|Africa/Kinshasa|Africa/Lagos|Africa/Libreville|Africa/Lome|Africa/Luanda|Africa/Lubumbashi|Africa/Lusaka|Africa/Malabo|Africa/Maputo|Africa/Maseru|Africa/Mbabane|Africa/Mogadishu|Africa/Monrovia|Africa/Nairobi|Africa/Ndjamena|Africa/Niamey|Africa/Nouakchott|Africa/Ouagadougou|Africa/Porto-Novo|Africa/Sao_Tome|Africa/Timbuktu|Africa/Tripoli|Africa/Tunis|Africa/Windhoek|America/Adak|America/Anchorage|America/Anguilla|America/Antigua|America/Araguaina|America/Argentina/Buenos_Aires|America/Argentina/Catamarca|America/Argentina/ComodRivadavia|America/Argentina/Cordoba|America/Argentina/Jujuy|America/Argentina/La_Rioja|America/Argentina/Mendoza|America/Argentina/Rio_Gallegos|America/Argentina/Salta|America/Argentina/San_Juan|America/Argentina/San_Luis|America/Argentina/Tucuman|America/Argentina/Ushuaia|America/Aruba|America/Asuncion|America/Atikokan|America/Atka|America/Bahia|America/Barbados|America/Belem|America/Belize|America/Blanc-Sablon|America/Boa_Vista|America/Bogota|America/Boise|America/Buenos_Aires|America/Cambridge_Bay|America/Campo_Grande|America/Cancun|America/Caracas|America/Catamarca|America/Cayenne|America/Cayman|America/Chicago|America/Chihuahua|America/Coral_Harbour|America/Cordoba|America/Costa_Rica|America/Cuiaba|America/Curacao|America/Danmarkshavn|America/Dawson|America/Dawson_Creek|America/Denver|America/Detroit|America/Dominica|America/Edmonton|America/Eirunepe|America/El_Salvador|America/Ensenada|America/Fortaleza|America/Fort_Wayne|America/Glace_Bay|America/Godthab|America/Goose_Bay|America/Grand_Turk|America/Grenada|America/Guadeloupe|America/Guatemala|America/Guayaquil|America/Guyana|America/Halifax|America/Havana|America/Hermosillo|America/Indiana/Indianapolis|America/Indiana/Knox|America/Indiana/Marengo|America/Indiana/Petersburg|America/Indianapolis|America/Indiana/Tell_City|America/Indiana/Vevay|America/Indiana/Vincennes|America/Indiana/Winamac|America/Inuvik|America/Iqaluit|America/Jamaica|America/Jujuy|America/Juneau|America/Kentucky/Louisville|America/Kentucky/Monticello|America/Knox_IN|America/La_Paz|America/Lima|America/Los_Angeles|America/Louisville|America/Maceio|America/Managua|America/Manaus|America/Marigot|America/Martinique|America/Mazatlan|America/Mendoza|America/Menominee|America/Merida|America/Mexico_City|America/Miquelon|America/Moncton|America/Monterrey|America/Montevideo|America/Montreal|America/Montserrat|America/Nassau|America/New_York|America/Nipigon|America/Nome|America/Noronha|America/North_Dakota/Center|America/North_Dakota/New_Salem|

America/Panama|America/Pangnirtung|America/Paramaribo|America/Phoenix|America/Port-au-Prince|America/Porto_Acre|America/Port_of_Spain|America/Porto_Velho|America/Puerto_Rico|America/Rainy_River|America/Rankin_Inlet|America/Recife|America/Regina|America/Resolute|America/Rio_Branco|America/Rosario|America/Santarem|America/Santiago|America/Santo_Domingo|America/Sao_Paulo|America/Scoresbysund|America/Shiprock|America/St_Barthelemy|America/St_Johns|America/St_Kitts|America/St_Lucia|America/St_Thomas|America/St_Vincent|America/Swift_Current|America/Tegucigalpa|America/Thule|America/Thunder_Bay|America/Tijuana|America/Toronto|America/Tortola|America/Vancouver|America/Virgin|America/Whitehorse|America/Winnipeg|America/Yakutat|America/Yellowknife|Antarctica/Casey|Antarctica/Davis|Antarctica/DumontDUrville|Antarctica/Mawson|Antarctica/McMurdo|Antarctica/Palmer|Antarctica/Rothera|Antarctica/South_Pole|Antarctica/Syowa|Antarctica/Vostok|Arctic/Longyearbyen|Asia/Aden|Asia/Almaty|Asia/Amman|Asia/Anadyr|Asia/Aqtai|Asia/Aqtobe|Asia/Ashgabat|Asia/Ashkhabad|Asia/Baghdad|Asia/Bahrain|Asia/Baku|Asia/Bangkok|Asia/Beirut|Asia/Bishkek|Asia/Brunei|Asia/Calcutta|Asia/Choibalsan|Asia/Chongqing|Asia/Chungking|Asia/Colombo|Asia/Dacca|Asia/Damascus|Asia/Dhaka|Asia/Dili|Asia/Dubai|Asia/Dushanbe|Asia/Gaza|Asia/Harbin|Asia/Ho_Chi_Minh|Asia/Hong_Kong|Asia/Hovd|Asia/Irkutsk|Asia/Istanbul|Asia/Jakarta|Asia/Jayapura|Asia/Jerusalem|Asia/Kabul|Asia/Kamchatka|Asia/Karachi|Asia/Kashgar|Asia/Kathmandu|Asia/Katmandu|Asia/Kolkata|Asia/Krasnoyarsk|Asia/Kuala_Lumpur|Asia/Kuching|Asia/Kuwait|Asia/Macao|Asia/Macau|Asia/Magadan|Asia/Makassar|Asia/Manila|Asia/Muscat|Asia/Nicosia|Asia/Novokuznetsk|Asia/Novosibirsk|Asia/Omsk|Asia/Oral|Asia/Phnom_Penh|Asia/Pontianak|Asia/Pyongyang|Asia/Qatar|Asia/Qyzylorda|Asia/Rangoon|Asia/Riyadh|Asia/Riyadh87|Asia/Riyadh88|Asia/Riyadh89|Asia/Saigon|Asia/Sakhalin|Asia/Samarkand|Asia/Seoul|Asia/Shanghai|Asia/Singapore|Asia/Taipei|Asia/Tashkent|Asia/Tbilisi|Asia/Tehran|Asia/Tel_Aviv|Asia/Thimbu|Asia/Thimphu|Asia/Tokyo|Asia/Ujung_Pandang|Asia/Ulaanbaatar|Asia/Ulan_Bator|Asia/Urumqi|Asia/Vientiane|Asia/Vladivostok|Asia/Yakutsk|Asia/Yekaterinburg|Asia/Yerevan|Atlantic/Azores|Atlantic/Bermuda|Atlantic/Canary|Atlantic/Cape_Verde|Atlantic/Faeroe|Atlantic/Faroe|Atlantic/Jan_Mayen|Atlantic/Madeira|Atlantic/Reykjavik|Atlantic/South_Georgia|Atlantic/Stanley|Atlantic/St_Helena|Australia/ACT|Australia/Adelaide|Australia/Brisbane|Australia/Broken_Hill|Australia/Canberra|Australia/Currie|Australia/Darwin|Australia/Eucla|Australia/Hobart|Australia/LHI|Australia/Lindeman|Australia/Lord_Howe|Australia/Melbourne|Australia/North|Australia/NSW|Australia/Perth|Australia/Queensland|Australia/South|Australia/Sydney|Australia/Tasmania|Australia/Victoria|Australia/West|Australia/Yancowinna|Brazil/Acre|Brazil/DeNoronha|Brazil/East|Brazil/West|Canada/Atlantic|Canada/Central|Canada/Eastern|Canada/East-Saskatchewan|Canada/Mountain|Canada/Newfoundland|Canada/Pacific|Canada/Saskatchewan|Canada/Yukon|CET|Chile/Continental|Chile/EasterIsland|CST6CDT|Cuba|EET|Egypt|Eire|EST|EST5EDT|Etc/GMT|Etc/GMT0|Etc/GMT-0|Etc/GMT+0|Etc/GMT-1|Etc/GMT+1|Etc/GMT-10|Etc/GMT+10|Etc/GMT-11|Etc/GMT+11|Etc/GMT-12|Etc/GMT+12|Etc/GMT-13|Etc/GMT-14|Etc/GMT-2|Etc/GMT+2|Etc/GMT-3|Etc/GMT+3|Etc/GMT-4|Etc/GMT+4|Etc/GMT-5|Etc/GMT+5|Etc/GMT-6|Etc/GMT+6|Etc/GMT-7|Etc/GMT+7|Etc/GMT-8|Etc/GMT+8|Etc/GMT-9|Etc/GMT+9|Etc/Greenwich|Etc/UCT|Etc/Universal|Etc/UTC|Etc/Zulu|Europe/Amsterdam|Europe/Andorra|Europe/Athens|Europe/Belfast|Europe/Belgrade|Europe/Berlin|Europe/Bratislava|Europe/Brussels|Europe/Bucharest|Europe/Budapest|Europe/Chisinau|Europe/Copenhagen|Europe/Dublin|Europe/Gibraltar|Europe/Guernsey|Europe/Helsinki|Europe/Isle_of_Man|Europe/Istanbul|Europe/Jersey|Europe/Kaliningrad|Europe/Kiev|Europe/Lisbon|Europe/Ljubljana|Europe/London|Europe/Luxembourg|Europe/Madrid|Europe/Malta|Europe/Mariehamn|Europe/Minsk|Europe/Monaco|Europe/Moscow|Europe/Nicosia|Europe/Oslo|Europe/Paris|Europe/Podgorica|Europe/Prague|Europe/Riga|Europe/Rome|Europe/Samara|Europe/San_Marino|Europe/Sarajevo|Europe/Simferopol|Europe/Skopje|Europe/Sofia|Europe/Stockholm|Europe/Tallinn|Europe/Tirane|Europe/Tiraspol|Europe/Uzhgorod|Europe/Vaduz|Europe/Vatican|Europe/Vienna|Europe/Vilnius|Europe/Volgograd|Europe/Warsaw|Europe/

Zagreb|Europe/Zaporozhye|Europe/Zurich|Factory|GB|GB-Eire|GMT|GMT0|GMT-0|GMT+0|Greenwich|Hongkong|HST|Iceland|Indian/Antananarivo|Indian/Chagos|Indian/Christmas|Indian/Cocos|Indian/Comoro|Indian/Kerguelen|Indian/Mahe|Indian/Maldives|Indian/Mauritius|Indian/Mayotte|Indian/Reunion|Iran|Israel|Jamaica|Japan|Kwajalein|Libya|MET|Mexico/BajaNorte|Mexico/BajaSur|Mexico/General|Mideast/Riyadh87|Mideast/Riyadh88|Mideast/Riyadh89|MST|MST7MDT|Navajo|NZ|NZ-CHAT|Pacific/Apia|Pacific/Auckland|Pacific/Chatham|Pacific/Easter|Pacific/Efate|Pacific/Enderbury|Pacific/Fakaofu|Pacific/Fiji|Pacific/Funafuti|Pacific/Galapagos|Pacific/Gambier|Pacific/Guadalcanal|Pacific/Guam|Pacific/Honolulu|Pacific/Johnston|Pacific/Kiritimati|Pacific/Kosrae|Pacific/Kwajalein|Pacific/Majuro|Pacific/Marquesas|Pacific/Midway|Pacific/Nauru|Pacific/Niue|Pacific/Norfolk|Pacific/Noumea|Pacific/Pago_Pago|Pacific/Palau|Pacific/Pitcairn|Pacific/Ponape|Pacific/Port_Moresby|Pacific/Rarotonga|Pacific/Saipan|Pacific/Samoa|Pacific/Tahiti|Pacific/Tarawa|Pacific/Tongatapu|Pacific/Truk|Pacific/Wake|Pacific/Wallis|Pacific/Yap|Poland|Portugal|PRC|PST8PDT|ROC|ROK|Singapore|Turkey|UCT|Universal|US/Alaska|US/Aleutian|US/Arizona|US/Central|US/Eastern|US/East-Indiana|US/Hawaii|US/Indiana-Stark|US/Michigan|US/Mountain|US/Pacific|US/Samoa|UTC|WET|W-SU|Zulu>

set deviceconfig setting

set deviceconfig setting nat

set deviceconfig setting nat reserve-ip <yes|no>

set deviceconfig setting nat reserve-time <1-604800>

set deviceconfig setting nat dipp-oversub <1x|2x|4x|8x>

set deviceconfig setting jumbo-frame

set deviceconfig setting jumbo-frame mtu <512-9216>

set deviceconfig setting icmpv6-rate-limit

set deviceconfig setting icmpv6-rate-limit bucket-size <10-65535>

set deviceconfig setting icmpv6-rate-limit packet-rate <1-65535>

set deviceconfig setting nat64

set deviceconfig setting nat64 ipv6-min-network-mtu <1280-9216>

set deviceconfig setting packet

set deviceconfig setting packet ip-frag-limit <yes|no>

set deviceconfig setting util

set deviceconfig setting util assert-crash-once <yes|no>

set deviceconfig setting pan-url-db

set deviceconfig setting pan-url-db cloud-static-list <value>

set deviceconfig setting pan-url-db timeout <1-300>

set deviceconfig setting hawkeye

set deviceconfig setting hawkeye public-cloud-server <value>

set deviceconfig setting global-protect

set deviceconfig setting global-protect timeout <3-150>

```
set deviceconfig setting global-protect keepalive <3-150>
set deviceconfig setting global-protect enable-external-gateway-priority <yes|no>
set deviceconfig setting global-protect location <value>
set deviceconfig setting global-protect worker-threads <10-100>
set deviceconfig setting l3-service
set deviceconfig setting l3-service timeout <3-125>
set deviceconfig setting captive-portal
set deviceconfig setting captive-portal number-workers <2-12>
set deviceconfig setting captive-portal disable-token <yes|no>
set deviceconfig setting application
set deviceconfig setting application identify-unknown-traffic-by-port <yes|no>
set deviceconfig setting application dump-unknown <on|off>
set deviceconfig setting application cache <yes|no>
set deviceconfig setting application use-cache-for-identification <yes|no>
set deviceconfig setting application cache-threshold <1-65535>
set deviceconfig setting application supernode <yes|no>
set deviceconfig setting application heuristics <yes|no>
set deviceconfig setting application notify-user <yes|no>
set deviceconfig setting application bypass-exceed-queue <yes|no>
set deviceconfig setting application traceroute
set deviceconfig setting application traceroute enable <yes|no>
set deviceconfig setting application traceroute ttl-threshold <0-255>
set deviceconfig setting autofocus
set deviceconfig setting autofocus enabled <yes|no>
set deviceconfig setting autofocus autofocus-url <value>
set deviceconfig setting autofocus query-timeout <15-3600>
set deviceconfig setting wildfire
set deviceconfig setting wildfire file-idle-timeout <5-180>
set deviceconfig setting wildfire file-size-limit
set deviceconfig setting wildfire file-size-limit <name>
set deviceconfig setting wildfire file-size-limit <name> size-limit <value>
set deviceconfig setting wildfire file-upload-rate <1-150>
set deviceconfig setting wildfire public-cloud-server <value>
```

```
set deviceconfig setting wildfire private-cloud-server <value>
set deviceconfig setting wildfire real-time-cloud-server <value>
set deviceconfig setting wildfire private-cloud-use-proxy <yes|no>
set deviceconfig setting wildfire disable-signature-verify <yes|no>
set deviceconfig setting wildfire report-benign-file <yes|no>
set deviceconfig setting wildfire report-grayware-file <yes|no>
set deviceconfig setting wildfire session-info-select
set deviceconfig setting wildfire session-info-select exclude-src-ip <yes|no>
set deviceconfig setting wildfire session-info-select exclude-src-port <yes|no>
set deviceconfig setting wildfire session-info-select exclude-dest-ip <yes|no>
set deviceconfig setting wildfire session-info-select exclude-dest-port <yes|no>
set deviceconfig setting wildfire session-info-select exclude-vsys-id <yes|no>
set deviceconfig setting wildfire session-info-select exclude-app-name <yes|no>
set deviceconfig setting wildfire session-info-select exclude-username <yes|no>
set deviceconfig setting wildfire session-info-select exclude-url <yes|no>
set deviceconfig setting wildfire session-info-select exclude-filename <yes|no>
set deviceconfig setting wildfire session-info-select exclude-email-sender <yes|no>
set deviceconfig setting wildfire session-info-select exclude-email-recipient <yes|no>
set deviceconfig setting wildfire session-info-select exclude-email-subject <yes|no>
set deviceconfig setting ctd
set deviceconfig setting ctd x-forwarded-for <0|1|2>
set deviceconfig setting ctd strip-x-fwd-for <yes|no>
set deviceconfig setting ctd url-coach-timeout <1-86400>
set deviceconfig setting ctd url-admin-timeout <1-86400>
set deviceconfig setting ctd url-lockout-timeout <1-86400>
set deviceconfig setting ctd url-wait-timeout <1-60>
set deviceconfig setting ctd cap-portal-ask-timeout <0-65535>
set deviceconfig setting ctd cap-portal-ask-requests <1-32>
set deviceconfig setting ctd cap-portal-max-session <0-8192>
set deviceconfig setting ctd cap-portal-html-redirect <yes|no>
set deviceconfig setting ctd http-proxy-use-transaction <yes|no>
set deviceconfig setting ctd tcp-bypass-exceed-queue <yes|no>
set deviceconfig setting ctd udp-bypass-exceed-queue <yes|no>
```

```

set deviceconfig setting ctd allow-http-range <yes|no>
set deviceconfig setting ctd extended-capture-segment <1-50>
set deviceconfig setting ctd track-filename <yes|no>
set deviceconfig setting ctd hash-signature-allow <yes|no>
set deviceconfig setting ctd decode-filter-max-depth <1-4>
set deviceconfig setting ctd hold-client-request <yes|no>
set deviceconfig setting ctd header-insert-clear-text-proxy <yes|no>
set deviceconfig setting ctd block-on-clear-text-proxy-failure <yes|no>
set deviceconfig setting ctd cloud-dns-timeout <0-60000>
set deviceconfig setting ctd cloud-dns-privacy-mask <yes|no>
set deviceconfig setting ctd cloudapp-implicit-policy-enforce <yes|no>
set deviceconfig setting ctd shm-quota-threshold <50-80>
set deviceconfig setting ctd shared-memory-quota-dlp <0-100>
set deviceconfig setting ctd shared-memory-quota-iot <0-100>
set deviceconfig setting ctd shared-memory-quota-ace <0-100>
set deviceconfig setting ctd sptcp-clear-text-proxy <0|1|2>
set deviceconfig setting ctd http2-clear-text-proxy <yes|no>
set deviceconfig setting ssl-decrypt
set deviceconfig setting ssl-decrypt url-wait <yes|no>
set deviceconfig setting ssl-decrypt url-proxy <yes|no>
set deviceconfig setting ssl-decrypt notify-user <yes|no>
set deviceconfig setting ssl-decrypt answer-timeout <1-86400>
set deviceconfig setting ssl-decrypt crl <yes|no>
set deviceconfig setting ssl-decrypt ocsp <yes|no>
set deviceconfig setting ssl-decrypt crl-receive-timeout <1-60>
set deviceconfig setting ssl-decrypt ocsp-receive-timeout <1-60>
set deviceconfig setting ssl-decrypt cert-status-timeout <0-60>
set deviceconfig setting ssl-decrypt session-cache-timeout <10-86400>
set deviceconfig setting ssl-decrypt tcp-use-ts <yes|no>
set deviceconfig setting ssl-decrypt fwd-proxy-server-cert-key-size-rsa <0|1024|2048|3072|
4096>
set deviceconfig setting ssl-decrypt fwd-proxy-server-cert-key-size-ecdsa <0|256|384>
set deviceconfig setting ssl-decrypt default-elliptic-curve <192|224|256|384|521>
set deviceconfig setting ssl-decrypt fptcp-rwin-max <524288-8388608>

```

```
set deviceconfig setting ssl-decrypt scan-handshake <yes|no>
set deviceconfig setting ssl-decrypt use-mp-sess-cache <yes|no>
set deviceconfig setting session
set deviceconfig setting session timeout-tcp <1-15999999>
set deviceconfig setting session timeout-udp <1-15999999>
set deviceconfig setting session timeout-icmp <1-15999999>
set deviceconfig setting session timeout-default <1-15999999>
set deviceconfig setting session timeout-tcpinit <1-60>
set deviceconfig setting session timeout-tcphandshake <1-60>
set deviceconfig setting session timeout-tcp-half-closed <1-604800>
set deviceconfig setting session timeout-tcp-time-wait <1-600>
set deviceconfig setting session timeout-tcp-unverified-rst <1-600>
set deviceconfig setting session timeout-captive-portal <1-15999999>
set deviceconfig setting session timeout-discard-tcp <1-15999999>
set deviceconfig setting session timeout-discard-udp <1-15999999>
set deviceconfig setting session timeout-discard-default <1-15999999>
set deviceconfig setting session icmp-unreachable-rate <1-65535>
set deviceconfig setting session timeout-scan <5-30>
set deviceconfig setting session scan-threshold <50-99>
set deviceconfig setting session scan-scaling-factor <2-16>
set deviceconfig setting session accelerated-aging-enable <yes|no>
set deviceconfig setting session accelerated-aging-threshold <50-99>
set deviceconfig setting session accelerated-aging-scaling-factor <2-16>
set deviceconfig setting session packet-buffer-protection-enable <yes|no>
set deviceconfig setting session packet-buffer-protection-monitor-only <yes|no>
set deviceconfig setting session packet-buffer-protection-alert <0-99>
set deviceconfig setting session packet-buffer-protection-activate <0-99>
set deviceconfig setting session packet-buffer-protection-block-countdown <0-99>
set deviceconfig setting session packet-buffer-protection-block-hold-time <0-65535>
set deviceconfig setting session packet-buffer-protection-block-duration-time <1-15999999>
set deviceconfig setting session packet-buffer-protection-use-latency <yes|no>
set deviceconfig setting session packet-buffer-protection-latency-alert <1-20000>
set deviceconfig setting session packet-buffer-protection-latency-activate <1-20000>
```

```

set deviceconfig setting session packet-buffer-protection-latency-block-countdown <1-20000>
set deviceconfig setting session packet-buffer-protection-latency-max-tolerate <1-20000>
set deviceconfig setting session tcp-reject-non-syn <yes|no>
set deviceconfig setting session tcp-retransmit-scan <yes|no>
set deviceconfig setting session offload <yes|no>
set deviceconfig setting session ipv6-firewalling <yes|no>
set deviceconfig setting session express-mode <yes|no>
set deviceconfig setting session resource-limit-behavior <bypass|drop>
set deviceconfig setting session multicast-route-setup-buffering <yes|no>
set deviceconfig setting session max-pending-mcast-pkts-per-session <1-2000>
set deviceconfig setting tcp
set deviceconfig setting tcp bypass-exceed-oo-queue <yes|no>
set deviceconfig setting tcp allow-challenge-ack <yes|no>
set deviceconfig setting tcp check-timestamp-option <yes|no>
set deviceconfig setting tcp asymmetric-path <drop|bypass>
set deviceconfig setting tcp urgent-data <clear|oobinline>
set deviceconfig setting tcp drop-zero-flag <yes|no>
set deviceconfig setting tcp strip-mptcp-option <yes|no>
set deviceconfig setting zip
set deviceconfig setting zip enable <yes|no>
set deviceconfig setting zip mode <hw|sw|auto>
set deviceconfig setting http2
set deviceconfig setting http2 enable <yes|no>
set deviceconfig setting http2 stream-closed-buffer-threshold <1-100>
set deviceconfig setting http2 server-push <yes|no>
set deviceconfig setting http2 connection-logging <yes|no>
set deviceconfig setting pow
set deviceconfig setting pow wqe-tag-check <yes|no>
set deviceconfig setting pow wqe-inuse-check <yes|no>
set deviceconfig setting pow wqe-swbuf-check <yes|no>
set deviceconfig setting pow wqe-swbuf-track <yes|no>
set deviceconfig setting pow wqe-hexspeak <yes|no>
set deviceconfig setting pow wqe-swbuf-ref <yes|no>

```

```
set deviceconfig setting config
set deviceconfig setting config rematch <yes|no>
set deviceconfig setting logging
set deviceconfig setting logging enhanced-application-logging
set deviceconfig setting logging enhanced-application-logging disable-application
set deviceconfig setting logging enhanced-application-logging disable-application <name>
set deviceconfig setting logging enhanced-application-logging disable-global
set deviceconfig setting logging enhanced-application-logging disable-global all
set deviceconfig setting logging enhanced-application-logging disable-global arp
set deviceconfig setting logging enhanced-application-logging disable-global non-syn-tcp
set deviceconfig setting logging enhanced-application-logging disable-global ext-traffic
set deviceconfig setting logging enhanced-application-logging disable-global hip-report
set deviceconfig setting logging enhanced-application-logging enable <yes|no>
set deviceconfig setting logging logging-service-forwarding
set deviceconfig setting logging logging-service-forwarding enable <yes|no>
set deviceconfig setting logging logging-service-forwarding enable-duplicate-logging <yes|no>
set deviceconfig setting logging logging-service-forwarding logging-service-regions <value>
set deviceconfig setting logging max-log-rate <0-50000>
set deviceconfig setting logging max-packet-rate <0-2560>
set deviceconfig setting logging log-suppression <yes|no>
set deviceconfig setting management
set deviceconfig setting management secure-conn-client
set deviceconfig setting management secure-conn-client certificate-type
set deviceconfig setting management secure-conn-client certificate-type
set deviceconfig setting management secure-conn-client certificate-type none
set deviceconfig setting management secure-conn-client certificate-type local
set deviceconfig setting management secure-conn-client certificate-type local certificate <value>
set deviceconfig setting management secure-conn-client certificate-type local certificate-profile
<value>
set deviceconfig setting management secure-conn-client certificate-type scep
set deviceconfig setting management secure-conn-client certificate-type scep scep-profile
<value>
set deviceconfig setting management secure-conn-client certificate-type scep certificate-profile
<value>
```

```
set deviceconfig setting management secure-conn-client check-server-identity <yes|no>
set deviceconfig setting management secure-conn-client enable-secure-wildfire-communication
<yes|no>
set deviceconfig setting management secure-conn-client enable-secure-pandb-communication
<yes|no>
set deviceconfig setting management secure-conn-client enable-secure-panorama-communication
<yes|no>
set deviceconfig setting management secure-conn-client enable-secure-lc-communication <yes|
no>
set deviceconfig setting management secure-conn-client enable-secure-user-id-communication
<yes|no>
set deviceconfig setting management secure-conn-server
set deviceconfig setting management secure-conn-server ssl-tls-service-profile <value>
set deviceconfig setting management secure-conn-server certificate-profile <value>
set deviceconfig setting management secure-conn-server enable-secure-user-id-communication
<yes|no>
set deviceconfig setting management quota-settings
set deviceconfig setting management quota-settings log-expiration-period
set deviceconfig setting management quota-settings log-expiration-period traffic <1-2000>
set deviceconfig setting management quota-settings log-expiration-period threat <1-2000>
set deviceconfig setting management quota-settings log-expiration-period decryption <1-2000>
set deviceconfig setting management quota-settings log-expiration-period config <1-2000>
set deviceconfig setting management quota-settings log-expiration-period system <1-2000>
set deviceconfig setting management quota-settings log-expiration-period alarm <1-2000>
set deviceconfig setting management quota-settings log-expiration-period appstat <1-2000>
set deviceconfig setting management quota-settings log-expiration-period trsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period thsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period urlsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period desum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period hipmatch <1-2000>
set deviceconfig setting management quota-settings log-expiration-period hourlytrsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period dailytrsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period weeklytrsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period hourlythsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period dailythsum <1-2000>
```



```
set deviceconfig setting management quota-settings log-expiration-period weeklythsum
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period hourlyurlsum
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period dailyurlsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period weeklyurlsum
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period threat-pcaps <1-2000>
set deviceconfig setting management quota-settings log-expiration-period gtp <1-2000>
set deviceconfig setting management quota-settings log-expiration-period gtpsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period hourlygtpsum
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period dailygtpsum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period weeklygtpsum
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period hourlydesum
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period dailydesum <1-2000>
set deviceconfig setting management quota-settings log-expiration-period weeklydesum
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period userid <1-2000>
set deviceconfig setting management quota-settings log-expiration-period iptag <1-2000>
set deviceconfig setting management quota-settings log-expiration-period auth <1-2000>
set deviceconfig setting management quota-settings log-expiration-period globalprotect
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period dlp-logs <1-2000>
set deviceconfig setting management quota-settings log-expiration-period application-pcaps
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period debug-filter-pcaps
<1-2000>
set deviceconfig setting management quota-settings log-expiration-period hip-reports <1-2000>
set deviceconfig setting management quota-settings disk-quota
set deviceconfig setting management quota-settings disk-quota traffic <float>
set deviceconfig setting management quota-settings disk-quota threat <float>
set deviceconfig setting management quota-settings disk-quota config <float>
set deviceconfig setting management quota-settings disk-quota system <float>
set deviceconfig setting management quota-settings disk-quota globalprotect <float>
```

```
set deviceconfig setting management quota-settings disk-quota desum <float>
set deviceconfig setting management quota-settings disk-quota decryption <float>
set deviceconfig setting management quota-settings disk-quota alarm <float>
set deviceconfig setting management quota-settings disk-quota appstat <float>
set deviceconfig setting management quota-settings disk-quota trsum <float>
set deviceconfig setting management quota-settings disk-quota thsum <float>
set deviceconfig setting management quota-settings disk-quota urlsum <float>
set deviceconfig setting management quota-settings disk-quota hipmatch <float>
set deviceconfig setting management quota-settings disk-quota hourlytrsum <float>
set deviceconfig setting management quota-settings disk-quota dailytrsum <float>
set deviceconfig setting management quota-settings disk-quota weeklytrsum <float>
set deviceconfig setting management quota-settings disk-quota hourlythsum <float>
set deviceconfig setting management quota-settings disk-quota dailythsum <float>
set deviceconfig setting management quota-settings disk-quota weeklythsum <float>
set deviceconfig setting management quota-settings disk-quota hourlyurlsum <float>
set deviceconfig setting management quota-settings disk-quota dailyurlsum <float>
set deviceconfig setting management quota-settings disk-quota weeklyurlsum <float>
set deviceconfig setting management quota-settings disk-quota threat-pcaps <float>
set deviceconfig setting management quota-settings disk-quota gtp <float>
set deviceconfig setting management quota-settings disk-quota gtpsum <float>
set deviceconfig setting management quota-settings disk-quota hourlygtpsum <float>
set deviceconfig setting management quota-settings disk-quota dailygtpsum <float>
set deviceconfig setting management quota-settings disk-quota weeklygtpsum <float>
set deviceconfig setting management quota-settings disk-quota hourlydesum <float>
set deviceconfig setting management quota-settings disk-quota dailydesum <float>
set deviceconfig setting management quota-settings disk-quota weeklydesum <float>
set deviceconfig setting management quota-settings disk-quota userid <float>
set deviceconfig setting management quota-settings disk-quota auth <float>
set deviceconfig setting management quota-settings disk-quota iptag <float>
set deviceconfig setting management quota-settings disk-quota dlp-logs <float>
set deviceconfig setting management quota-settings disk-quota application-pcaps <float>
set deviceconfig setting management quota-settings disk-quota debug-filter-pcaps <float>
set deviceconfig setting management quota-settings disk-quota hip-reports <float>
```

```

set deviceconfig setting management large-core <yes|no>
set deviceconfig setting management disable-predefined-reports [ <disable-predefined-reports1>
<disable-predefined-reports2>... ]
set deviceconfig setting management disable-predefined-correlation-objs [ <disable-predefined-
correlation-objs1> <disable-predefined-correlation-objs2>... ]
set deviceconfig setting management common-criteria
set deviceconfig setting management common-criteria enable-cconly-logs <yes|no>
set deviceconfig setting management common-criteria enable-packet-drop-logs <yes|no>
set deviceconfig setting management common-criteria skip-authentication-success-logs <yes|no>
set deviceconfig setting management common-criteria skip-authentication-failure-logs <yes|no>
set deviceconfig setting management common-criteria enable-tls-session-logging <yes|no>
set deviceconfig setting management common-criteria enable-ocsp-crl-logs <yes|no>
set deviceconfig setting management common-criteria enable-ike-logging <yes|no>
set deviceconfig setting management common-criteria skip-configuration-logs-for [ <skip-
configuration-logs-for1> <skip-configuration-logs-for2>... ]
set deviceconfig setting management common-criteria self-test-schedule
set deviceconfig setting management common-criteria self-test-schedule crypto
set deviceconfig setting management common-criteria self-test-schedule crypto start-time
[ <start-time1> <start-time2>... ]
set deviceconfig setting management common-criteria self-test-schedule software-integrity
set deviceconfig setting management common-criteria self-test-schedule software-integrity start-
time [ <start-time1> <start-time2>... ]
set deviceconfig setting management common-criteria
set deviceconfig setting management common-criteria self-test-schedule
set deviceconfig setting management common-criteria self-test-schedule crypto
set deviceconfig setting management common-criteria self-test-schedule crypto start-time
[ <start-time1> <start-time2>... ]
set deviceconfig setting management common-criteria self-test-schedule software-integrity
set deviceconfig setting management common-criteria self-test-schedule software-integrity start-
time [ <start-time1> <start-time2>... ]
set deviceconfig setting management common-criteria
set deviceconfig setting management common-criteria enable-tls-session-logging <yes|no>
set deviceconfig setting management common-criteria enable-ocsp-crl-logs <yes|no>
set deviceconfig setting management common-criteria enable-ike-logging <yes|no>
set deviceconfig setting management idle-timeout <1-1440>|<0>
set deviceconfig setting management api

```

```
set deviceconfig setting management api key
set deviceconfig setting management api key lifetime <1-525600>|<0>
set deviceconfig setting management admin-lockout
set deviceconfig setting management admin-lockout failed-attempts <1-10>
set deviceconfig setting management admin-lockout failed-attempts <0-10>
set deviceconfig setting management admin-lockout lockout-time <0-60>
set deviceconfig setting management admin-lockout lockout-time <0-60>
set deviceconfig setting management admin-session
set deviceconfig setting management admin-session max-session-count <0-4>
set deviceconfig setting management admin-session max-session-time <value>
set deviceconfig setting management admin-session max-session-count <0-4>
set deviceconfig setting management admin-session max-session-time <value>
set deviceconfig setting management appusage-lifetime <60-365>
set deviceconfig setting management hostname-type-in-syslog <none|FQDN|hostname|ipv4-
address|ipv6-address>
set deviceconfig setting management report-run-time <value>
set deviceconfig setting management report-expiration-period <1-2000>
set deviceconfig setting management threat-vault-access <yes|no>
set deviceconfig setting management support-utf8-for-log-output <yes|no>
set deviceconfig setting management auto-acquire-commit-lock <yes|no>
set deviceconfig setting management disable-commit-recovery <yes|no>
set deviceconfig setting management commit-recovery-retry <1-5>
set deviceconfig setting management commit-recovery-timeout <3-30>
set deviceconfig setting management rule-hit-count <yes|no>
set deviceconfig setting management rule-require-tag <yes|no>
set deviceconfig setting management rule-require-description <yes|no>
set deviceconfig setting management rule-fail-commit <yes|no>
set deviceconfig setting management rule-require-audit-comment <yes|no>
set deviceconfig setting management rule-audit-comment-regex <value>
set deviceconfig setting management appusage-policy <yes|no>
set deviceconfig setting management canonicalize-block-allow-list <yes|no>
set deviceconfig setting management traffic-stop-on-logdb-full <yes|no>
set deviceconfig setting management enable-log-high-dp-load <yes|no>
set deviceconfig setting management enable-certificate-expiration-check <yes|no>
```

```
set deviceconfig setting management max-rows-in-csv-export <1-1048576>
set deviceconfig setting management max-rows-in-pdf-report <1-1048576>
set deviceconfig setting management browse-activity-report-setting
set deviceconfig setting management browse-activity-report-setting average-browse-time
<1-300>
set deviceconfig setting management browse-activity-report-setting page-load-threshold <1-60>
set deviceconfig setting management max-audit-versions <1-1048576>
set deviceconfig setting management panorama-tcp-receive-timeout <1-240>
set deviceconfig setting management panorama-tcp-send-timeout <1-240>
set deviceconfig setting management panorama-ssl-send-retries <1-64>
set deviceconfig setting management device-monitoring
set deviceconfig setting management device-monitoring enabled <yes|no>
set deviceconfig setting management common-criteria-alarm-generation
set deviceconfig setting management common-criteria-alarm-generation enable-alarm-generation
<yes|no>
set deviceconfig setting management common-criteria-alarm-generation enable-cli-alarm-
notification <yes|no>
set deviceconfig setting management common-criteria-alarm-generation enable-web-alarm-
notification <yes|no>
set deviceconfig setting management common-criteria-alarm-generation enable-audible-alarms
<yes|no>
set deviceconfig setting management common-criteria-alarm-generation encrypt-decrypt-fail-
count <1-4294967295>
set deviceconfig setting management common-criteria-alarm-generation security-policy-limits
set deviceconfig setting management common-criteria-alarm-generation security-policy-limits
count <1-4294967295>
set deviceconfig setting management common-criteria-alarm-generation security-policy-limits
time-interval <30-86400>
set deviceconfig setting management common-criteria-alarm-generation rule-group-limits
set deviceconfig setting management common-criteria-alarm-generation rule-group-limits count
<1-4294967295>
set deviceconfig setting management common-criteria-alarm-generation rule-group-limits time-
interval <30-86400>
set deviceconfig setting management common-criteria-alarm-generation rule-group-limits tags
[ <tags1> <tags2>... ]
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold
```

```

set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold traffic <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold threat <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold config <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold system <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold alarm <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold hipmatch <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold userid <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold iptag <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold auth <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold gtp <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold sctp <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold globalprotect <0-100>
set deviceconfig setting management common-criteria-alarm-generation log-databases-alarm-
threshold decryption <0-100>
set deviceconfig setting management audit-tracking
set deviceconfig setting management audit-tracking op-commands <yes|no>
set deviceconfig setting management audit-tracking ui-actions <yes|no>
set deviceconfig setting management audit-tracking send-syslog <value>
set deviceconfig setting logrcvr
set deviceconfig setting logrcvr container-page-timeout <1-60>
set deviceconfig setting vpn
set deviceconfig setting vpn ikev2
set deviceconfig setting vpn ikev2 cookie-threshold <0-65535>
set deviceconfig setting vpn ikev2 max-half-opened-sa <1-65535>
set deviceconfig setting vpn ikev2 certificate-cache-size <0-4000>
set deviceconfig setting tunnel-acceleration <yes|no>

```

```
set deviceconfig setting advance-routing <yes|no>
set deviceconfig setting custom-logo
set deviceconfig setting custom-logo login-screen
set deviceconfig setting custom-logo login-screen name <value>
set deviceconfig setting custom-logo login-screen content <value>
set deviceconfig setting custom-logo main-ui
set deviceconfig setting custom-logo main-ui name <value>
set deviceconfig setting custom-logo main-ui content <value>
set deviceconfig setting custom-logo pdf-report-header
set deviceconfig setting custom-logo pdf-report-header name <value>
set deviceconfig setting custom-logo pdf-report-header content <value>
set deviceconfig setting custom-logo pdf-report-footer
set deviceconfig setting custom-logo pdf-report-footer name <value>
set deviceconfig setting custom-logo pdf-report-footer content <value>
set deviceconfig setting iot
set deviceconfig setting iot edge
set deviceconfig setting iot edge disable-device-cert <yes|no>
set deviceconfig setting iot edge address <ip/netmask>|<value>
set deviceconfig setting cloudapp
set deviceconfig setting cloudapp disable <yes|no>
set deviceconfig setting cloudapp cloudapp-srvr-addr
set deviceconfig setting cloudapp cloudapp-srvr-addr address <ip/netmask>|<value>
set deviceconfig high-availability
set deviceconfig high-availability enabled <yes|no>
set deviceconfig high-availability interface
set deviceconfig high-availability interface ha1
set deviceconfig high-availability interface ha1 port <value>|<ha1-a|ha1-b|management>
set deviceconfig high-availability interface ha1 link-speed <auto|10|100|1000>
set deviceconfig high-availability interface ha1 link-duplex <auto|full|half>
set deviceconfig high-availability interface ha1 encryption
set deviceconfig high-availability interface ha1 encryption enabled <yes|no>
set deviceconfig high-availability interface ha1 ip-address <ip/netmask>
set deviceconfig high-availability interface ha1 netmask <value>
```

```
set deviceconfig high-availability interface ha1 gateway <ip/netmask>
set deviceconfig high-availability interface ha1 monitor-hold-time <1000-60000>
set deviceconfig high-availability interface ha1-backup
set deviceconfig high-availability interface ha1-backup port <value>|<ha1-a|ha1-b|management>
set deviceconfig high-availability interface ha1-backup link-speed <auto|10|100|1000>
set deviceconfig high-availability interface ha1-backup link-duplex <auto|full|half>
set deviceconfig high-availability interface ha1-backup ip-address <ip/netmask>
set deviceconfig high-availability interface ha1-backup netmask <value>
set deviceconfig high-availability interface ha1-backup gateway <ip/netmask>
set deviceconfig high-availability interface ha2
set deviceconfig high-availability interface ha2 port <value>|<hsci>
set deviceconfig high-availability interface ha2 ip-address <ip/netmask>
set deviceconfig high-availability interface ha2 netmask <value>
set deviceconfig high-availability interface ha2 gateway <ip/netmask>
set deviceconfig high-availability interface ha2-backup
set deviceconfig high-availability interface ha2-backup port <value>|<hsci>
set deviceconfig high-availability interface ha2-backup ip-address <ip/netmask>
set deviceconfig high-availability interface ha2-backup netmask <value>
set deviceconfig high-availability interface ha2-backup gateway <ip/netmask>
set deviceconfig high-availability interface ha3
set deviceconfig high-availability interface ha3 port <value>|<hsci>
set deviceconfig high-availability interface ha4
set deviceconfig high-availability interface ha4 port <value>
set deviceconfig high-availability interface ha4 ip-address <ip/netmask>
set deviceconfig high-availability interface ha4 netmask <value>
set deviceconfig high-availability interface ha4-backup
set deviceconfig high-availability interface ha4-backup port <value>
set deviceconfig high-availability interface ha4-backup ip-address <ip/netmask>
set deviceconfig high-availability interface ha4-backup netmask <value>
set deviceconfig high-availability cluster
set deviceconfig high-availability cluster enabled <yes|no>
set deviceconfig high-availability cluster cluster-id <1-99>
set deviceconfig high-availability cluster cluster-synchronization-timeout <0-30>
```



```

set deviceconfig high-availability cluster cluster-keepalive-threshold <5000-60000>
set deviceconfig high-availability cluster description <value>
set deviceconfig high-availability cluster cluster-members
set deviceconfig high-availability cluster cluster-members <name>
set deviceconfig high-availability cluster cluster-members <name> ha4-ip-address <ip/netmask>
set deviceconfig high-availability cluster cluster-members <name> ha4-backup-ip-address <ip/
netmask>
set deviceconfig high-availability cluster cluster-members <name> session-synchronization
<enabled|disabled>
set deviceconfig high-availability cluster cluster-members <name> comments <value>
set deviceconfig high-availability cluster monitor-fail-hold-down-time <1-60>
set deviceconfig high-availability group
set deviceconfig high-availability group group-id <1-63>
set deviceconfig high-availability group description <value>
set deviceconfig high-availability group election-option
set deviceconfig high-availability group election-option device-priority <0-255>
set deviceconfig high-availability group election-option preemptive <yes|no>
set deviceconfig high-availability group election-option heartbeat-backup <yes|no>
set deviceconfig high-availability group election-option timers
set deviceconfig high-availability group election-option timers
set deviceconfig high-availability group election-option timers recommended
set deviceconfig high-availability group election-option timers aggressive
set deviceconfig high-availability group election-option timers advanced
set deviceconfig high-availability group election-option timers advanced promotion-hold-time
<0-60000>
set deviceconfig high-availability group election-option timers advanced hello-interval
<8000-60000>
set deviceconfig high-availability group election-option timers advanced heartbeat-interval
<1000-60000>
set deviceconfig high-availability group election-option timers advanced flap-max <1-16>|
<infinite|disable>
set deviceconfig high-availability group election-option timers advanced preemption-hold-time
<1-60>
set deviceconfig high-availability group election-option timers advanced monitor-fail-hold-up-time
<0-60000>

```

```

set deviceconfig high-availability group election-option timers advanced additional-master-hold-
up-time <0-60000>
set deviceconfig high-availability group peer-ip <ip/netmask>
set deviceconfig high-availability group peer-ip-backup <ip/netmask>
set deviceconfig high-availability group state-synchronization
set deviceconfig high-availability group state-synchronization enabled <yes|no>
set deviceconfig high-availability group state-synchronization transport <ethernet|ip|udp>
set deviceconfig high-availability group state-synchronization ha2-keep-alive
set deviceconfig high-availability group state-synchronization ha2-keep-alive enabled <yes|no>
set deviceconfig high-availability group state-synchronization ha2-keep-alive action <log-only|
split-datapath>
set deviceconfig high-availability group state-synchronization ha2-keep-alive threshold
<5000-60000>
set deviceconfig high-availability group configuration-synchronization
set deviceconfig high-availability group configuration-synchronization enabled <yes|no>
set deviceconfig high-availability group mode
set deviceconfig high-availability group mode
set deviceconfig high-availability group mode active-passive
set deviceconfig high-availability group mode active-passive passive-link-state <shutdown|auto>
set deviceconfig high-availability group mode active-passive monitor-fail-hold-down-time <1-60>
set deviceconfig high-availability group mode active-active
set deviceconfig high-availability group mode active-active device-id <0|1>
set deviceconfig high-availability group mode active-active tentative-hold-time <10-600>|
<disabled>
set deviceconfig high-availability group mode active-active network-configuration
set deviceconfig high-availability group mode active-active network-configuration sync
set deviceconfig high-availability group mode active-active network-configuration sync virtual-
router <yes|no>
set deviceconfig high-availability group mode active-active network-configuration sync logical-
router <yes|no>
set deviceconfig high-availability group mode active-active network-configuration sync qos <yes|
no>
set deviceconfig high-availability group mode active-active virtual-address
set deviceconfig high-availability group mode active-active virtual-address <name>
set deviceconfig high-availability group mode active-active virtual-address <name> ip
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>

```

```

set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
floating
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
floating bind-to-active-primary <yes|no>
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
floating device-priority
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
floating device-priority device-0 <0-255>
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
floating device-priority device-1 <0-255>
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
floating device-priority failover-on-link-down <yes|no>
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing ip-modulo
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing ip-hash
set deviceconfig high-availability group mode active-active virtual-address <name> ip <name>
arp-load-sharing ip-hash hash-seed <0-4294967295>
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
floating
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
floating bind-to-active-primary <yes|no>
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
floating device-priority
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
floating device-priority device-0 <0-255>
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
floating device-priority device-1 <0-255>
set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
floating device-priority failover-on-link-down <yes|no>

```

```

set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
arp-load-sharing

set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
arp-load-sharing

set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
arp-load-sharing ip-modulo

set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
arp-load-sharing ip-hash

set deviceconfig high-availability group mode active-active virtual-address <name> ipv6 <name>
arp-load-sharing ip-hash hash-seed <0-4294967295>

set deviceconfig high-availability group mode active-active session-owner-selection

set deviceconfig high-availability group mode active-active session-owner-selection

set deviceconfig high-availability group mode active-active session-owner-selection primary-
device

set deviceconfig high-availability group mode active-active session-owner-selection first-packet

set deviceconfig high-availability group mode active-active session-owner-selection first-packet
session-setup

set deviceconfig high-availability group mode active-active session-owner-selection first-packet
session-setup

set deviceconfig high-availability group mode active-active session-owner-selection first-packet
session-setup primary-device

set deviceconfig high-availability group mode active-active session-owner-selection first-packet
session-setup first-packet

set deviceconfig high-availability group mode active-active session-owner-selection first-packet
session-setup ip-modulo

set deviceconfig high-availability group mode active-active session-owner-selection first-packet
session-setup ip-hash

set deviceconfig high-availability group mode active-active session-owner-selection first-packet
session-setup ip-hash hash-key <source|source-and-destination>

set deviceconfig high-availability group mode active-active session-owner-selection first-packet
session-setup ip-hash hash-seed <0-4294967295>

set deviceconfig high-availability group monitoring

set deviceconfig high-availability group monitoring path-monitoring

set deviceconfig high-availability group monitoring path-monitoring enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring failure-condition <any|all>

set deviceconfig high-availability group monitoring path-monitoring path-group

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire

```

```

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> source-ip <ip/netmask>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> failure-condition <any|all>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> ping-interval <200-60000>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> ping-count <3-10>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> destination-ip-group

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> destination-ip-group <name>
set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> destination-ip-group <name> destination-ip [ <destination-ip1> <destination-ip2>... ]

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> destination-ip-group <name> enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-wire
<name> destination-ip-group <name> failure-condition <any|all>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
source-ip <ip/netmask>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
failure-condition <any|all>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
ping-interval <200-60000>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
ping-count <3-10>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
destination-ip-group

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
destination-ip-group <name>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
destination-ip-group <name> destination-ip [ <destination-ip1> <destination-ip2>... ]

```

```

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
destination-ip-group <name> enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring path-group vlan <name>
destination-ip-group <name> failure-condition <any|all>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> failure-condition <any|all>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> ping-interval <200-60000>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> ping-count <3-10>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> destination-ip-group

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> destination-ip-group <name>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> destination-ip-group <name> destination-ip [ <destination-ip1> <destination-ip2>... ]

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> destination-ip-group <name> enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring path-group virtual-router
<name> destination-ip-group <name> failure-condition <any|all>

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name>

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> failure-condition <any|all>

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> ping-interval <200-60000>

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> ping-count <3-10>

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> destination-ip-group

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> destination-ip-group <name>

```

```

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> destination-ip-group <name> destination-ip [ <destination-ip1> <destination-ip2>... ]

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> destination-ip-group <name> enabled <yes|no>

set deviceconfig high-availability group monitoring path-monitoring path-group logical-router
<name> destination-ip-group <name> failure-condition <any|all>

set deviceconfig high-availability group monitoring link-monitoring

set deviceconfig high-availability group monitoring link-monitoring enabled <yes|no>

set deviceconfig high-availability group monitoring link-monitoring failure-condition <any|all>

set deviceconfig high-availability group monitoring link-monitoring link-group

set deviceconfig high-availability group monitoring link-monitoring link-group <name>

set deviceconfig high-availability group monitoring link-monitoring link-group <name> enabled
<yes|no>

set deviceconfig high-availability group monitoring link-monitoring link-group <name> failure-
condition <any|all>

set deviceconfig high-availability group monitoring link-monitoring link-group <name> interface
[ <interface1> <interface2>... ]

set mgt-config

set mgt-config password-complexity

set mgt-config password-complexity enabled <yes|no>

set mgt-config password-complexity block-username-inclusion <yes|no>

set mgt-config password-complexity password-change-on-first-login <yes|no>

set mgt-config password-complexity minimum-length <6-15>

set mgt-config password-complexity minimum-length <0-15>

set mgt-config password-complexity minimum-uppercase-letters <0-15>

set mgt-config password-complexity minimum-lowercase-letters <0-15>

set mgt-config password-complexity minimum-numeric-letters <0-15>

set mgt-config password-complexity minimum-special-characters <0-15>

set mgt-config password-complexity block-repeated-characters <0-15>

set mgt-config password-complexity password-history-count <0-150>

set mgt-config password-complexity new-password-differs-by-characters <0-15>

set mgt-config password-complexity password-change-period-block <0-365>

set mgt-config password-complexity password-change

set mgt-config password-complexity password-change expiration-period <0-365>

set mgt-config password-complexity password-change expiration-warning-period <0-30>

```

```
set mgt-config password-complexity password-change post-expiration-admin-login-count <0-3>
set mgt-config password-complexity password-change post-expiration-grace-period <0-30>
set mgt-config password-profile
set mgt-config password-profile <name>
set mgt-config password-profile <name> password-change
set mgt-config password-profile <name> password-change expiration-period <0-365>
set mgt-config password-profile <name> password-change expiration-warning-period <0-30>
set mgt-config password-profile <name> password-change post-expiration-admin-login-count
<0-3>
set mgt-config password-profile <name> password-change post-expiration-grace-period <0-30>
set mgt-config users
set mgt-config users <name>
set mgt-config users <name> phash <value>
set mgt-config users <name> authentication-profile <value>
set mgt-config users <name> password-profile <value>
set mgt-config users <name> client-certificate-only <yes|no>
set mgt-config users <name> public-key <value>
set mgt-config users <name> public-key <value>
set mgt-config users <name> preferences
set mgt-config users <name> preferences disable-dns <yes|no>
set mgt-config users <name> preferences saved-log-query
set mgt-config users <name> preferences saved-log-query unified
set mgt-config users <name> preferences saved-log-query unified <name>
set mgt-config users <name> preferences saved-log-query unified <name> query <value>
set mgt-config users <name> preferences saved-log-query traffic
set mgt-config users <name> preferences saved-log-query traffic <name>
set mgt-config users <name> preferences saved-log-query traffic <name> query <value>
set mgt-config users <name> preferences saved-log-query threat
set mgt-config users <name> preferences saved-log-query threat <name>
set mgt-config users <name> preferences saved-log-query threat <name> query <value>
set mgt-config users <name> preferences saved-log-query url
set mgt-config users <name> preferences saved-log-query url <name>
set mgt-config users <name> preferences saved-log-query url <name> query <value>
set mgt-config users <name> preferences saved-log-query data
```



```

set mgt-config users <name> preferences saved-log-query data <name>
set mgt-config users <name> preferences saved-log-query data <name> query <value>
set mgt-config users <name> preferences saved-log-query config
set mgt-config users <name> preferences saved-log-query config <name>
set mgt-config users <name> preferences saved-log-query config <name> query <value>
set mgt-config users <name> preferences saved-log-query system
set mgt-config users <name> preferences saved-log-query system <name>
set mgt-config users <name> preferences saved-log-query system <name> query <value>
set mgt-config users <name> preferences saved-log-query wildfire
set mgt-config users <name> preferences saved-log-query wildfire <name>
set mgt-config users <name> preferences saved-log-query wildfire <name> query <value>
set mgt-config users <name> preferences saved-log-query hipmatch
set mgt-config users <name> preferences saved-log-query hipmatch <name>
set mgt-config users <name> preferences saved-log-query hipmatch <name> query <value>
set mgt-config users <name> preferences saved-log-query corr
set mgt-config users <name> preferences saved-log-query corr <name>
set mgt-config users <name> preferences saved-log-query corr <name> query <value>
set mgt-config users <name> preferences saved-log-query tunnel
set mgt-config users <name> preferences saved-log-query tunnel <name>
set mgt-config users <name> preferences saved-log-query tunnel <name> query <value>
set mgt-config users <name> preferences saved-log-query userid
set mgt-config users <name> preferences saved-log-query userid <name>
set mgt-config users <name> preferences saved-log-query userid <name> query <value>
set mgt-config users <name> preferences saved-log-query auth
set mgt-config users <name> preferences saved-log-query auth <name>
set mgt-config users <name> preferences saved-log-query auth <name> query <value>
set mgt-config users <name> preferences saved-log-query globalprotect
set mgt-config users <name> preferences saved-log-query globalprotect <name>
set mgt-config users <name> preferences saved-log-query globalprotect <name> query <value>
set mgt-config users <name> preferences saved-log-query alarm
set mgt-config users <name> preferences saved-log-query alarm <name>
set mgt-config users <name> preferences saved-log-query alarm <name> query <value>
set mgt-config users <name> preferences saved-log-query decryption

```

```

set mgt-config users <name> preferences saved-log-query decryption <name>
set mgt-config users <name> preferences saved-log-query decryption <name> query <value>
set mgt-config users <name> permissions
set mgt-config users <name> permissions role-based
set mgt-config users <name> permissions role-based vsysreader
set mgt-config users <name> permissions role-based vsysreader <name>
set mgt-config users <name> permissions role-based vsysreader <name> vsys [ <vsys1>
<vsys2>... ]
set mgt-config users <name> permissions role-based vsysadmin
set mgt-config users <name> permissions role-based vsysadmin <name>
set mgt-config users <name> permissions role-based vsysadmin <name> vsys [ <vsys1>
<vsys2>... ]
set mgt-config users <name> permissions role-based devicereader [ <devicereader1>
<devicereader2>... ]
set mgt-config users <name> permissions role-based deviceadmin [ <deviceadmin1>
<deviceadmin2>... ]
set mgt-config users <name> permissions role-based superreader <yes>
set mgt-config users <name> permissions role-based superuser <yes>
set mgt-config users <name> permissions role-based custom
set mgt-config users <name> permissions role-based custom profile <value>
set mgt-config users <name> permissions role-based custom vsys [ <vsys1> <vsys2>... ]
set mgt-config access-domain
set mgt-config access-domain <name>
set mgt-config access-domain <name> vsys [ <vsys1> <vsys2>... ]
set network
set network profiles
set network profiles monitor-profile
set network profiles monitor-profile <name>
set network profiles monitor-profile <name> interval <2-100>
set network profiles monitor-profile <name> threshold <2-10>
set network profiles monitor-profile <name> action <wait-recover|fail-over>
set network profiles interface-management-profile
set network profiles interface-management-profile <name>
set network profiles interface-management-profile <name> http <yes|no>
set network profiles interface-management-profile <name> https <yes|no>

```

```

set network profiles interface-management-profile <name> ping <yes|no>
set network profiles interface-management-profile <name> response-pages <yes|no>
set network profiles interface-management-profile <name> userid-service <yes|no>
set network profiles interface-management-profile <name> userid-syslog-listener-ssl <yes|no>
set network profiles interface-management-profile <name> userid-syslog-listener-udp <yes|no>
set network profiles interface-management-profile <name> ssh <yes|no>
set network profiles interface-management-profile <name> telnet <yes|no>
set network profiles interface-management-profile <name> snmp <yes|no>
set network profiles interface-management-profile <name> http-ocsp <yes|no>
set network profiles interface-management-profile <name> permitted-ip
set network profiles interface-management-profile <name> permitted-ip <name>
set network profiles zone-protection-profile
set network profiles zone-protection-profile <name>
set network profiles zone-protection-profile <name> description <value>
set network profiles zone-protection-profile <name> scan
set network profiles zone-protection-profile <name> scan <name>
set network profiles zone-protection-profile <name> scan <name> action
set network profiles zone-protection-profile <name> scan <name> action allow
set network profiles zone-protection-profile <name> scan <name> action alert
set network profiles zone-protection-profile <name> scan <name> action block
set network profiles zone-protection-profile <name> scan <name> action block-ip
set network profiles zone-protection-profile <name> scan <name> action block-ip track-by
<source|source-and-destination>
set network profiles zone-protection-profile <name> scan <name> action block-ip duration
<1-3600>
set network profiles zone-protection-profile <name> scan <name> interval <2-65535>
set network profiles zone-protection-profile <name> scan <name> threshold <2-65535>
set network profiles zone-protection-profile <name> scan-white-list
set network profiles zone-protection-profile <name> scan-white-list <name>
set network profiles zone-protection-profile <name> scan-white-list <name>
set network profiles zone-protection-profile <name> scan-white-list <name> ipv4 <value>
set network profiles zone-protection-profile <name> scan-white-list <name> ipv6 <value>
set network profiles zone-protection-profile <name> flood
set network profiles zone-protection-profile <name> flood tcp-syn

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```

set network profiles zone-protection-profile <name> flood tcp-syn enable <yes|no>
set network profiles zone-protection-profile <name> flood tcp-syn
set network profiles zone-protection-profile <name> flood tcp-syn red
set network profiles zone-protection-profile <name> flood tcp-syn red alarm-rate <0-2000000>
set network profiles zone-protection-profile <name> flood tcp-syn red activate-rate
<1-2000000>
set network profiles zone-protection-profile <name> flood tcp-syn red maximal-rate
<1-2000000>
set network profiles zone-protection-profile <name> flood tcp-syn syn-cookies
set network profiles zone-protection-profile <name> flood tcp-syn syn-cookies alarm-rate
<0-2000000>
set network profiles zone-protection-profile <name> flood tcp-syn syn-cookies activate-rate
<0-2000000>
set network profiles zone-protection-profile <name> flood tcp-syn syn-cookies maximal-rate
<1-2000000>
set network profiles zone-protection-profile <name> flood udp
set network profiles zone-protection-profile <name> flood udp enable <yes|no>
set network profiles zone-protection-profile <name> flood udp red
set network profiles zone-protection-profile <name> flood udp red alarm-rate <0-2000000>
set network profiles zone-protection-profile <name> flood udp red activate-rate <1-2000000>
set network profiles zone-protection-profile <name> flood udp red maximal-rate <1-2000000>
set network profiles zone-protection-profile <name> flood icmp
set network profiles zone-protection-profile <name> flood icmp enable <yes|no>
set network profiles zone-protection-profile <name> flood icmp red
set network profiles zone-protection-profile <name> flood icmp red alarm-rate <0-2000000>
set network profiles zone-protection-profile <name> flood icmp red activate-rate <1-2000000>
set network profiles zone-protection-profile <name> flood icmp red maximal-rate <1-2000000>
set network profiles zone-protection-profile <name> flood icmpv6
set network profiles zone-protection-profile <name> flood icmpv6 enable <yes|no>
set network profiles zone-protection-profile <name> flood icmpv6 red
set network profiles zone-protection-profile <name> flood icmpv6 red alarm-rate <0-2000000>
set network profiles zone-protection-profile <name> flood icmpv6 red activate-rate
<1-2000000>
set network profiles zone-protection-profile <name> flood icmpv6 red maximal-rate
<1-2000000>
set network profiles zone-protection-profile <name> flood other-ip

```

```

set network profiles zone-protection-profile <name> flood other-ip enable <yes|no>
set network profiles zone-protection-profile <name> flood other-ip red
set network profiles zone-protection-profile <name> flood other-ip red alarm-rate <0-2000000>
set network profiles zone-protection-profile <name> flood other-ip red activate-rate
<1-2000000>
set network profiles zone-protection-profile <name> flood other-ip red maximal-rate
<1-2000000>
set network profiles zone-protection-profile <name> ipv6
set network profiles zone-protection-profile <name> ipv6 routing-header-0 <yes|no>
set network profiles zone-protection-profile <name> ipv6 routing-header-1 <yes|no>
set network profiles zone-protection-profile <name> ipv6 routing-header-3 <yes|no>
set network profiles zone-protection-profile <name> ipv6 routing-header-4-252 <yes|no>
set network profiles zone-protection-profile <name> ipv6 routing-header-253 <yes|no>
set network profiles zone-protection-profile <name> ipv6 routing-header-254 <yes|no>
set network profiles zone-protection-profile <name> ipv6 routing-header-255 <yes|no>
set network profiles zone-protection-profile <name> ipv6 ipv4-compatible-address <yes|no>
set network profiles zone-protection-profile <name> ipv6 multicast-source <yes|no>
set network profiles zone-protection-profile <name> ipv6 anycast-source <yes|no>
set network profiles zone-protection-profile <name> ipv6 filter-ext-hdr
set network profiles zone-protection-profile <name> ipv6 filter-ext-hdr hop-by-hop-hdr <yes|no>
set network profiles zone-protection-profile <name> ipv6 filter-ext-hdr routing-hdr <yes|no>
set network profiles zone-protection-profile <name> ipv6 filter-ext-hdr dest-option-hdr <yes|no>
set network profiles zone-protection-profile <name> ipv6 ignore-inv-pkt
set network profiles zone-protection-profile <name> ipv6 ignore-inv-pkt dest-unreach <yes|no>
set network profiles zone-protection-profile <name> ipv6 ignore-inv-pkt pkt-too-big <yes|no>
set network profiles zone-protection-profile <name> ipv6 ignore-inv-pkt time-exceeded <yes|no>
set network profiles zone-protection-profile <name> ipv6 ignore-inv-pkt param-problem <yes|
no>
set network profiles zone-protection-profile <name> ipv6 ignore-inv-pkt redirect <yes|no>
set network profiles zone-protection-profile <name> ipv6 options-invalid-ipv6-discard <yes|no>
set network profiles zone-protection-profile <name> ipv6 icmpv6-too-big-small-mtu-discard <yes|
no>
set network profiles zone-protection-profile <name> ipv6 needless-fragment-hdr <yes|no>
set network profiles zone-protection-profile <name> ipv6 reserved-field-set-discard <yes|no>
set network profiles zone-protection-profile <name> tcp-reject-non-syn <global|yes|no>

```

```

set network profiles zone-protection-profile <name> strip-mptcp-option <global|yes|no>
set network profiles zone-protection-profile <name> asymmetric-path <global|drop|bypass>
set network profiles zone-protection-profile <name> discard-ip-spoof <yes|no>
set network profiles zone-protection-profile <name> discard-ip-frag <yes|no>
set network profiles zone-protection-profile <name> discard-icmp-ping-zero-id <yes|no>
set network profiles zone-protection-profile <name> discard-icmp-frag <yes|no>
set network profiles zone-protection-profile <name> discard-icmp-large-packet <yes|no>
set network profiles zone-protection-profile <name> discard-icmp-error <yes|no>
set network profiles zone-protection-profile <name> suppress-icmp-timeexceeded <yes|no>
set network profiles zone-protection-profile <name> suppress-icmp-needfrag <yes|no>
set network profiles zone-protection-profile <name> discard-strict-source-routing <yes|no>
set network profiles zone-protection-profile <name> discard-loose-source-routing <yes|no>
set network profiles zone-protection-profile <name> discard-timestamp <yes|no>
set network profiles zone-protection-profile <name> discard-record-route <yes|no>
set network profiles zone-protection-profile <name> discard-security <yes|no>
set network profiles zone-protection-profile <name> discard-stream-id <yes|no>
set network profiles zone-protection-profile <name> discard-unknown-option <yes|no>
set network profiles zone-protection-profile <name> discard-malformed-option <yes|no>
set network profiles zone-protection-profile <name> discard-overlapping-tcp-segment-mismatch
<yes|no>
set network profiles zone-protection-profile <name> strict-ip-check <yes|no>
set network profiles zone-protection-profile <name> remove-tcp-timestamp <yes|no>
set network profiles zone-protection-profile <name> discard-tcp-split-handshake <yes|no>
set network profiles zone-protection-profile <name> discard-tcp-syn-with-data <yes|no>
set network profiles zone-protection-profile <name> discard-tcp-synack-with-data <yes|no>
set network profiles zone-protection-profile <name> strip-tcp-fast-open-and-data <yes|no>
set network profiles zone-protection-profile <name> non-ip-protocol
set network profiles zone-protection-profile <name> non-ip-protocol list-type <exclude|include>
set network profiles zone-protection-profile <name> non-ip-protocol protocol
set network profiles zone-protection-profile <name> non-ip-protocol protocol <name>
set network profiles zone-protection-profile <name> non-ip-protocol protocol <name> ether-type
<value>
set network profiles zone-protection-profile <name> non-ip-protocol protocol <name> enable
<yes|no>

```

```

set network profiles zone-protection-profile <name> l2-sec-group-tag-protection
set network profiles zone-protection-profile <name> l2-sec-group-tag-protection tags
set network profiles zone-protection-profile <name> l2-sec-group-tag-protection tags <name>
set network profiles zone-protection-profile <name> l2-sec-group-tag-protection tags <name>
tag <value>
set network profiles zone-protection-profile <name> l2-sec-group-tag-protection tags <name>
enable <yes|no>
set network profiles lldp-profile
set network profiles lldp-profile <name>
set network profiles lldp-profile <name> mode <transmit-receive|transmit-only|receive-only>
set network profiles lldp-profile <name> snmp-syslog-notification <yes|no>
set network profiles lldp-profile <name> option-tlvs
set network profiles lldp-profile <name> option-tlvs port-description <yes|no>
set network profiles lldp-profile <name> option-tlvs system-name <yes|no>
set network profiles lldp-profile <name> option-tlvs system-description <yes|no>
set network profiles lldp-profile <name> option-tlvs system-capabilities <yes|no>
set network profiles lldp-profile <name> option-tlvs management-address
set network profiles lldp-profile <name> option-tlvs management-address enabled <yes|no>
set network profiles lldp-profile <name> option-tlvs management-address iplist
set network profiles lldp-profile <name> option-tlvs management-address iplist <name>
set network profiles lldp-profile <name> option-tlvs management-address iplist <name> interface
<value>
set network profiles lldp-profile <name> option-tlvs management-address iplist <name>
set network profiles lldp-profile <name> option-tlvs management-address iplist <name> ipv4
<value>
set network profiles lldp-profile <name> option-tlvs management-address iplist <name> ipv6
<value>
set network profiles bfd-profile
set network profiles bfd-profile <name>
set network profiles bfd-profile <name> mode <active|passive>
set network profiles bfd-profile <name> min-tx-interval <100-2000>
set network profiles bfd-profile <name> min-rx-interval <100-2000>
set network profiles bfd-profile <name> detection-multiplier <2-50>
set network profiles bfd-profile <name> hold-time <0-120000>
set network profiles bfd-profile <name> multihop

```

```

set network profiles bfd-profile <name> multihop min-received-ttl <1-254>
set network interface
set network interface ethernet
set network interface ethernet <name>
set network interface ethernet <name> link-speed <value>
set network interface ethernet <name> link-duplex <value>
set network interface ethernet <name> link-state <auto|up|down>
set network interface ethernet <name>
set network interface ethernet <name> tap
set network interface ethernet <name> tap netflow-profile <value>
set network interface ethernet <name> ha
set network interface ethernet <name> decrypt-mirror
set network interface ethernet <name> virtual-wire
set network interface ethernet <name> virtual-wire units
set network interface ethernet <name> virtual-wire units <name>
set network interface ethernet <name> virtual-wire units <name> tag <0-4094>
set network interface ethernet <name> virtual-wire units <name> netflow-profile <value>
set network interface ethernet <name> virtual-wire units <name> comment <value>
set network interface ethernet <name> virtual-wire units <name> ip-classifier [ <ip-classifier1>
<ip-classifier2>... ]
set network interface ethernet <name> virtual-wire netflow-profile <value>
set network interface ethernet <name> virtual-wire lldp
set network interface ethernet <name> virtual-wire lldp enable <yes|no>
set network interface ethernet <name> virtual-wire lldp profile <value>
set network interface ethernet <name> virtual-wire lldp high-availability
set network interface ethernet <name> virtual-wire lldp high-availability passive-pre-negotiation
<yes|no>
set network interface ethernet <name> virtual-wire lacp
set network interface ethernet <name> virtual-wire lacp high-availability
set network interface ethernet <name> virtual-wire lacp high-availability passive-pre-negotiation
<yes|no>
set network interface ethernet <name> layer2
set network interface ethernet <name> layer2 units
set network interface ethernet <name> layer2 units <name>

```



```
set network interface ethernet <name> layer2 units <name> tag <1-4094>
set network interface ethernet <name> layer2 units <name> netflow-profile <value>
set network interface ethernet <name> layer2 units <name> comment <value>
set network interface ethernet <name> layer2 netflow-profile <value>
set network interface ethernet <name> layer2 lldp
set network interface ethernet <name> layer2 lldp enable <yes|no>
set network interface ethernet <name> layer2 lldp profile <value>
set network interface ethernet <name> layer2 lldp high-availability
set network interface ethernet <name> layer2 lldp high-availability passive-pre-negotiation <yes|no>
set network interface ethernet <name> layer3
set network interface ethernet <name> layer3 decrypt-forward <yes|no>
set network interface ethernet <name> layer3 mtu <576-9216>
set network interface ethernet <name> layer3 bonjour
set network interface ethernet <name> layer3 bonjour enable <yes|no>
set network interface ethernet <name> layer3 adjust-tcp-mss
set network interface ethernet <name> layer3 adjust-tcp-mss enable <yes|no>
set network interface ethernet <name> layer3 adjust-tcp-mss ipv4-mss-adjustment <40-300>
set network interface ethernet <name> layer3 adjust-tcp-mss ipv6-mss-adjustment <60-300>
set network interface ethernet <name> layer3 untagged-sub-interface <yes|no>
set network interface ethernet <name> layer3 ip
set network interface ethernet <name> layer3 ip <name>
set network interface ethernet <name> layer3 ip <name> sdwan-gateway <ip/netmask>
set network interface ethernet <name> layer3 ipv6
set network interface ethernet <name> layer3 ipv6 enabled <yes|no>
set network interface ethernet <name> layer3 ipv6 interface-id <value>|<EUI-64>
set network interface ethernet <name> layer3 ipv6 address
set network interface ethernet <name> layer3 ipv6 address <name>
set network interface ethernet <name> layer3 ipv6 address <name> enable-on-interface <yes|no>
set network interface ethernet <name> layer3 ipv6 address <name> prefix
set network interface ethernet <name> layer3 ipv6 address <name> anycast
set network interface ethernet <name> layer3 ipv6 address <name> advertise
set network interface ethernet <name> layer3 ipv6 address <name> advertise enable <yes|no>
```

```

set network interface ethernet <name> layer3 ipv6 address <name> advertise valid-lifetime
<0-4294967294>|<infinity>

set network interface ethernet <name> layer3 ipv6 address <name> advertise preferred-lifetime
<0-4294967294>|<infinity>

set network interface ethernet <name> layer3 ipv6 address <name> advertise onlink-flag <yes|
no>

set network interface ethernet <name> layer3 ipv6 address <name> advertise auto-config-flag
<yes|no>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
enable <yes|no>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
max-interval <4-1800>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement min-
interval <3-1350>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
managed-flag <yes|no>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
other-flag <yes|no>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement link-
mtu <1280-9216>|<unspecified>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
reachable-time <0-3600000>|<unspecified>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
retransmission-timer <0-4294967295>|<unspecified>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
hop-limit <1-255>|<unspecified>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
lifetime <0-9000>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
router-preference <High|Medium|Low>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement
enable-consistency-check <yes|no>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-
support

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-
support enable <yes|no>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-
support server

```

```
set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-
support server <name>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-
support server <name> lifetime <4-3600>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-
support suffix

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-
support suffix <name>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-
support suffix <name> lifetime <4-3600>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery enable-ndp-monitor <yes|
no>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery enable-dad <yes|no>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery dad-attempts <0-10>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery ns-interval <1-3600>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery reachable-time
<10-36000>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery neighbor

set network interface ethernet <name> layer3 ipv6 neighbor-discovery neighbor <name>

set network interface ethernet <name> layer3 ipv6 neighbor-discovery neighbor <name> hw-
address <value>

set network interface ethernet <name> layer3 pppoe

set network interface ethernet <name> layer3 pppoe enable <yes|no>

set network interface ethernet <name> layer3 pppoe authentication <CHAP|PAP|auto>

set network interface ethernet <name> layer3 pppoe static-address

set network interface ethernet <name> layer3 pppoe static-address ip <value>

set network interface ethernet <name> layer3 pppoe username <value>

set network interface ethernet <name> layer3 pppoe password <value>

set network interface ethernet <name> layer3 pppoe create-default-route <yes|no>

set network interface ethernet <name> layer3 pppoe default-route-metric <1-65535>

set network interface ethernet <name> layer3 pppoe access-concentrator <value>

set network interface ethernet <name> layer3 pppoe service <value>

set network interface ethernet <name> layer3 pppoe passive

set network interface ethernet <name> layer3 pppoe passive enable <yes|no>

set network interface ethernet <name> layer3 dhcp-client

set network interface ethernet <name> layer3 dhcp-client enable <yes|no>
```

```
set network interface ethernet <name> layer3 dhcp-client create-default-route <yes|no>
set network interface ethernet <name> layer3 dhcp-client send-hostname
set network interface ethernet <name> layer3 dhcp-client send-hostname enable <yes|no>
set network interface ethernet <name> layer3 dhcp-client send-hostname hostname <value>|
<system-hostname>
set network interface ethernet <name> layer3 dhcp-client default-route-metric <1-65535>
set network interface ethernet <name> layer3 ddns-config
set network interface ethernet <name> layer3 ddns-config ddns-enabled <yes|no>
set network interface ethernet <name> layer3 ddns-config ddns-update-interval <1-30>
set network interface ethernet <name> layer3 ddns-config ddns-hostname <value>
set network interface ethernet <name> layer3 ddns-config ddns-ip [ <ddns-ip1> <ddns-ip2>... ]
set network interface ethernet <name> layer3 ddns-config ddns-ipv6 [ <ddns-ipv61> <ddns-
ipv62>... ]
set network interface ethernet <name> layer3 ddns-config ddns-cert-profile <value>
set network interface ethernet <name> layer3 ddns-config ddns-vendor <value>
set network interface ethernet <name> layer3 ddns-config ddns-vendor-config
set network interface ethernet <name> layer3 ddns-config ddns-vendor-config <name>
set network interface ethernet <name> layer3 ddns-config ddns-vendor-config <name> value
<value>
set network interface ethernet <name> layer3 arp
set network interface ethernet <name> layer3 arp <name>
set network interface ethernet <name> layer3 arp <name> hw-address <value>
set network interface ethernet <name> layer3 ndp-proxy
set network interface ethernet <name> layer3 ndp-proxy enabled <yes|no>
set network interface ethernet <name> layer3 ndp-proxy address
set network interface ethernet <name> layer3 ndp-proxy address <name>
set network interface ethernet <name> layer3 ndp-proxy address <name> negate <yes|no>
set network interface ethernet <name> layer3 interface-management-profile <value>
set network interface ethernet <name> layer3 sdwan-link-settings
set network interface ethernet <name> layer3 sdwan-link-settings enable <yes|no>
set network interface ethernet <name> layer3 sdwan-link-settings sdwan-interface-profile
<value>
set network interface ethernet <name> layer3 sdwan-link-settings upstream-nat
set network interface ethernet <name> layer3 sdwan-link-settings upstream-nat enable <yes|no>
set network interface ethernet <name> layer3 sdwan-link-settings upstream-nat
```

```

set network interface ethernet <name> layer3 sdwan-link-settings upstream-nat static-ip
set network interface ethernet <name> layer3 sdwan-link-settings upstream-nat static-ip
set network interface ethernet <name> layer3 sdwan-link-settings upstream-nat static-ip ip-
address <value>|<ip/netmask>
set network interface ethernet <name> layer3 sdwan-link-settings upstream-nat static-ip fqdn
<value>
set network interface ethernet <name> layer3 sdwan-link-settings upstream-nat ddns
set network interface ethernet <name> layer3 units
set network interface ethernet <name> layer3 units <name>
set network interface ethernet <name> layer3 units <name> sdwan-link-settings
set network interface ethernet <name> layer3 units <name> sdwan-link-settings enable <yes|no>
set network interface ethernet <name> layer3 units <name> sdwan-link-settings sdwan-interface-
profile <value>
set network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
set network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
enable <yes|no>
set network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
set network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
static-ip
set network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
static-ip
set network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
static-ip ip-address <value>|<ip/netmask>
set network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
static-ip fqdn <value>
set network interface ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat
ddns
set network interface ethernet <name> layer3 units <name> decrypt-forward <yes|no>
set network interface ethernet <name> layer3 units <name> mtu <576-9216>
set network interface ethernet <name> layer3 units <name> bonjour
set network interface ethernet <name> layer3 units <name> bonjour enable <yes|no>
set network interface ethernet <name> layer3 units <name> adjust-tcp-mss
set network interface ethernet <name> layer3 units <name> adjust-tcp-mss enable <yes|no>
set network interface ethernet <name> layer3 units <name> adjust-tcp-mss ipv4-mss-adjustment
<40-300>
set network interface ethernet <name> layer3 units <name> adjust-tcp-mss ipv6-mss-adjustment
<60-300>

```

```
set network interface ethernet <name> layer3 units <name> ip
set network interface ethernet <name> layer3 units <name> ip <name>
set network interface ethernet <name> layer3 units <name> ip <name> sdwan-gateway <ip/
netmask>
set network interface ethernet <name> layer3 units <name> ipv6
set network interface ethernet <name> layer3 units <name> ipv6 enabled <yes|no>
set network interface ethernet <name> layer3 units <name> ipv6 interface-id <value>|<EUI-64>
set network interface ethernet <name> layer3 units <name> ipv6 address
set network interface ethernet <name> layer3 units <name> ipv6 address <name>
set network interface ethernet <name> layer3 units <name> ipv6 address <name> enable-on-
interface <yes|no>
set network interface ethernet <name> layer3 units <name> ipv6 address <name> prefix
set network interface ethernet <name> layer3 units <name> ipv6 address <name> anycast
set network interface ethernet <name> layer3 units <name> ipv6 address <name> advertise
set network interface ethernet <name> layer3 units <name> ipv6 address <name> advertise
enable <yes|no>
set network interface ethernet <name> layer3 units <name> ipv6 address <name> advertise valid-
lifetime <0-4294967294>|<infinity>
set network interface ethernet <name> layer3 units <name> ipv6 address <name> advertise
preferred-lifetime <0-4294967294>|<infinity>
set network interface ethernet <name> layer3 units <name> ipv6 address <name> advertise
onlink-flag <yes|no>
set network interface ethernet <name> layer3 units <name> ipv6 address <name> advertise auto-
config-flag <yes|no>
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-
advertisement
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-
advertisement enable <yes|no>
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-
advertisement max-interval <4-1800>
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-
advertisement min-interval <3-1350>
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-
advertisement managed-flag <yes|no>
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-
advertisement other-flag <yes|no>
```

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement link-mtu <1280-9216>|<unspecified>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement reachable-time <0-3600000>|<unspecified>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement retransmission-timer <0-4294967295>|<unspecified>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement hop-limit <1-255>|<unspecified>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement lifetime <0-9000>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement router-preference <High|Medium|Low>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement enable-consistency-check <yes|no>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support enable <yes|no>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support server

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support server <name>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support server <name> lifetime <4-3600>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix <name>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery router-advertisement dns-support suffix <name> lifetime <4-3600>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery enable-ndp-monitor <yes|no>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery enable-dad <yes|no>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery dad-attempts <0-10>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery ns-interval <1-3600>

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery reachable-time <10-36000>

```

set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor
<name>
set network interface ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor
<name> hw-address <value>
set network interface ethernet <name> layer3 units <name> arp
set network interface ethernet <name> layer3 units <name> arp <name>
set network interface ethernet <name> layer3 units <name> arp <name> hw-address <value>
set network interface ethernet <name> layer3 units <name> ndp-proxy
set network interface ethernet <name> layer3 units <name> ndp-proxy enabled <yes|no>
set network interface ethernet <name> layer3 units <name> ndp-proxy address
set network interface ethernet <name> layer3 units <name> ndp-proxy address <name>
set network interface ethernet <name> layer3 units <name> ndp-proxy address <name> negate
<yes|no>
set network interface ethernet <name> layer3 units <name> interface-management-profile
<value>
set network interface ethernet <name> layer3 units <name> tag <1-4094>
set network interface ethernet <name> layer3 units <name> dhcp-client
set network interface ethernet <name> layer3 units <name> dhcp-client enable <yes|no>
set network interface ethernet <name> layer3 units <name> dhcp-client create-default-route
<yes|no>
set network interface ethernet <name> layer3 units <name> dhcp-client send-hostname
set network interface ethernet <name> layer3 units <name> dhcp-client send-hostname enable
<yes|no>
set network interface ethernet <name> layer3 units <name> dhcp-client send-hostname
hostname <value>|<system-hostname>
set network interface ethernet <name> layer3 units <name> dhcp-client default-route-metric
<1-65535>
set network interface ethernet <name> layer3 units <name> ddns-config
set network interface ethernet <name> layer3 units <name> ddns-config ddns-enabled <yes|no>
set network interface ethernet <name> layer3 units <name> ddns-config ddns-update-interval
<1-30>
set network interface ethernet <name> layer3 units <name> ddns-config ddns-hostname <value>
set network interface ethernet <name> layer3 units <name> ddns-config ddns-ip [ <ddns-ip1>
<ddns-ip2>... ]
set network interface ethernet <name> layer3 units <name> ddns-config ddns-ipv6 [ <ddns-
ipv61> <ddns-ipv62>... ]

```



```

set network interface ethernet <name> layer3 units <name> ddns-config ddns-cert-profile
<value>
set network interface ethernet <name> layer3 units <name> ddns-config ddns-vendor <value>
set network interface ethernet <name> layer3 units <name> ddns-config ddns-vendor-config
set network interface ethernet <name> layer3 units <name> ddns-config ddns-vendor-config
<name>
set network interface ethernet <name> layer3 units <name> ddns-config ddns-vendor-config
<name> value <value>
set network interface ethernet <name> layer3 units <name> netflow-profile <value>
set network interface ethernet <name> layer3 units <name> comment <value>
set network interface ethernet <name> layer3 netflow-profile <value>
set network interface ethernet <name> layer3 lldp
set network interface ethernet <name> layer3 lldp enable <yes|no>
set network interface ethernet <name> layer3 lldp profile <value>
set network interface ethernet <name> layer3 lldp high-availability
set network interface ethernet <name> layer3 lldp high-availability passive-pre-negotiation <yes|
no>
set network interface ethernet <name> aggregate-group <value>
set network interface ethernet <name> comment <value>
set network interface ethernet <name> lacp
set network interface ethernet <name> lacp port-priority <1-65535>
set network interface aggregate-ethernet
set network interface aggregate-ethernet <name>
set network interface aggregate-ethernet <name>
set network interface aggregate-ethernet <name> ha
set network interface aggregate-ethernet <name> ha lacp
set network interface aggregate-ethernet <name> ha lacp enable <yes|no>
set network interface aggregate-ethernet <name> ha lacp fast-failover <yes|no>
set network interface aggregate-ethernet <name> ha lacp mode <passive|active>
set network interface aggregate-ethernet <name> ha lacp transmission-rate <fast|slow>
set network interface aggregate-ethernet <name> ha lacp system-priority <1-65535>
set network interface aggregate-ethernet <name> ha lacp max-ports <1-8>
set network interface aggregate-ethernet <name> decrypt-mirror
set network interface aggregate-ethernet <name> virtual-wire
set network interface aggregate-ethernet <name> virtual-wire units

```

```

set network interface aggregate-ethernet <name> virtual-wire units <name>
set network interface aggregate-ethernet <name> virtual-wire units <name> tag <0-4094>
set network interface aggregate-ethernet <name> virtual-wire units <name> netflow-profile
<value>
set network interface aggregate-ethernet <name> virtual-wire units <name> comment <value>
set network interface aggregate-ethernet <name> virtual-wire units <name> ip-classifier [ <ip-
classifier1> <ip-classifier2>... ]
set network interface aggregate-ethernet <name> virtual-wire netflow-profile <value>
set network interface aggregate-ethernet <name> virtual-wire lldp
set network interface aggregate-ethernet <name> virtual-wire lldp enable <yes|no>
set network interface aggregate-ethernet <name> virtual-wire lldp profile <value>
set network interface aggregate-ethernet <name> virtual-wire lldp high-availability
set network interface aggregate-ethernet <name> virtual-wire lldp high-availability passive-pre-
negotiation <yes|no>
set network interface aggregate-ethernet <name> layer2
set network interface aggregate-ethernet <name> layer2 units
set network interface aggregate-ethernet <name> layer2 units <name>
set network interface aggregate-ethernet <name> layer2 units <name> tag <1-4094>
set network interface aggregate-ethernet <name> layer2 units <name> netflow-profile <value>
set network interface aggregate-ethernet <name> layer2 units <name> comment <value>
set network interface aggregate-ethernet <name> layer2 netflow-profile <value>
set network interface aggregate-ethernet <name> layer2 lacp
set network interface aggregate-ethernet <name> layer2 lacp enable <yes|no>
set network interface aggregate-ethernet <name> layer2 lacp fast-failover <yes|no>
set network interface aggregate-ethernet <name> layer2 lacp mode <passive|active>
set network interface aggregate-ethernet <name> layer2 lacp transmission-rate <fast|slow>
set network interface aggregate-ethernet <name> layer2 lacp system-priority <1-65535>
set network interface aggregate-ethernet <name> layer2 lacp max-ports <1-8>
set network interface aggregate-ethernet <name> layer2 lacp high-availability
set network interface aggregate-ethernet <name> layer2 lacp high-availability use-same-system-
mac
set network interface aggregate-ethernet <name> layer2 lacp high-availability use-same-system-
mac enable <yes|no>
set network interface aggregate-ethernet <name> layer2 lacp high-availability use-same-system-
mac mac-address <value>

```

```

set network interface aggregate-ethernet <name> layer2 lacp high-availability passive-pre-
negotiation <yes|no>
set network interface aggregate-ethernet <name> layer2 lldp
set network interface aggregate-ethernet <name> layer2 lldp enable <yes|no>
set network interface aggregate-ethernet <name> layer2 lldp profile <value>
set network interface aggregate-ethernet <name> layer2 lldp high-availability
set network interface aggregate-ethernet <name> layer2 lldp high-availability passive-pre-
negotiation <yes|no>
set network interface aggregate-ethernet <name> layer3
set network interface aggregate-ethernet <name> layer3 decrypt-forward <yes|no>
set network interface aggregate-ethernet <name> layer3 mtu <576-9216>
set network interface aggregate-ethernet <name> layer3 bonjour
set network interface aggregate-ethernet <name> layer3 bonjour enable <yes|no>
set network interface aggregate-ethernet <name> layer3 adjust-tcp-mss
set network interface aggregate-ethernet <name> layer3 adjust-tcp-mss enable <yes|no>
set network interface aggregate-ethernet <name> layer3 adjust-tcp-mss ipv4-mss-adjustment
<40-300>
set network interface aggregate-ethernet <name> layer3 adjust-tcp-mss ipv6-mss-adjustment
<60-300>
set network interface aggregate-ethernet <name> layer3 untagged-sub-interface <yes|no>
set network interface aggregate-ethernet <name> layer3 ip
set network interface aggregate-ethernet <name> layer3 ip <name>
set network interface aggregate-ethernet <name> layer3 ip <name> sdwan-gateway <ip/
netmask>
set network interface aggregate-ethernet <name> layer3 ipv6
set network interface aggregate-ethernet <name> layer3 ipv6 enabled <yes|no>
set network interface aggregate-ethernet <name> layer3 ipv6 interface-id <value>|<EUI-64>
set network interface aggregate-ethernet <name> layer3 ipv6 address
set network interface aggregate-ethernet <name> layer3 ipv6 address <name>
set network interface aggregate-ethernet <name> layer3 ipv6 address <name> enable-on-
interface <yes|no>
set network interface aggregate-ethernet <name> layer3 ipv6 address <name> prefix
set network interface aggregate-ethernet <name> layer3 ipv6 address <name> anycast
set network interface aggregate-ethernet <name> layer3 ipv6 address <name> advertise
set network interface aggregate-ethernet <name> layer3 ipv6 address <name> advertise enable
<yes|no>

```

set network interface aggregate-ethernet <name> layer3 ipv6 address <name> advertise valid-lifetime <0-4294967294>|<infinity>

set network interface aggregate-ethernet <name> layer3 ipv6 address <name> advertise preferred-lifetime <0-4294967294>|<infinity>

set network interface aggregate-ethernet <name> layer3 ipv6 address <name> advertise onlink-flag <yes|no>

set network interface aggregate-ethernet <name> layer3 ipv6 address <name> advertise auto-config-flag <yes|no>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement enable <yes|no>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement max-interval <4-1800>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement min-interval <3-1350>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement managed-flag <yes|no>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement other-flag <yes|no>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement link-mtu <1280-9216>|<unspecified>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement reachable-time <0-3600000>|<unspecified>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement retransmission-timer <0-4294967295>|<unspecified>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement hop-limit <1-255>|<unspecified>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement lifetime <0-9000>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement router-preference <High|Medium|Low>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement enable-consistency-check <yes|no>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-support

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-advertisement dns-support enable <yes|no>

```

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support server

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support server <name>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support server <name> lifetime <4-3600>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support suffix

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support suffix <name>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery router-
advertisement dns-support suffix <name> lifetime <4-3600>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery enable-ndp-
monitor <yes|no>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery enable-dad
<yes|no>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery dad-attempts
<0-10>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery ns-interval
<1-3600>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery reachable-time
<10-36000>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery neighbor
set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery neighbor
<name>

set network interface aggregate-ethernet <name> layer3 ipv6 neighbor-discovery neighbor
<name> hw-address <value>

set network interface aggregate-ethernet <name> layer3 lacp

set network interface aggregate-ethernet <name> layer3 lacp enable <yes|no>

set network interface aggregate-ethernet <name> layer3 lacp fast-failover <yes|no>

set network interface aggregate-ethernet <name> layer3 lacp mode <passive|active>

set network interface aggregate-ethernet <name> layer3 lacp transmission-rate <fast|slow>

set network interface aggregate-ethernet <name> layer3 lacp system-priority <1-65535>

set network interface aggregate-ethernet <name> layer3 lacp max-ports <1-8>

set network interface aggregate-ethernet <name> layer3 lacp high-availability

set network interface aggregate-ethernet <name> layer3 lacp high-availability use-same-system-
mac

```

```

set network interface aggregate-ethernet <name> layer3 lacp high-availability use-same-system-
mac enable <yes|no>

set network interface aggregate-ethernet <name> layer3 lacp high-availability use-same-system-
mac mac-address <value>

set network interface aggregate-ethernet <name> layer3 lacp high-availability passive-pre-
negotiation <yes|no>

set network interface aggregate-ethernet <name> layer3 lldp

set network interface aggregate-ethernet <name> layer3 lldp enable <yes|no>

set network interface aggregate-ethernet <name> layer3 lldp profile <value>

set network interface aggregate-ethernet <name> layer3 lldp high-availability

set network interface aggregate-ethernet <name> layer3 lldp high-availability passive-pre-
negotiation <yes|no>

set network interface aggregate-ethernet <name> layer3 arp

set network interface aggregate-ethernet <name> layer3 arp <name>

set network interface aggregate-ethernet <name> layer3 arp <name> hw-address <value>

set network interface aggregate-ethernet <name> layer3 ndp-proxy

set network interface aggregate-ethernet <name> layer3 ndp-proxy enabled <yes|no>

set network interface aggregate-ethernet <name> layer3 ndp-proxy address

set network interface aggregate-ethernet <name> layer3 ndp-proxy address <name>

set network interface aggregate-ethernet <name> layer3 ndp-proxy address <name> negate <yes|
no>

set network interface aggregate-ethernet <name> layer3 interface-management-profile <value>

set network interface aggregate-ethernet <name> layer3 dhcp-client

set network interface aggregate-ethernet <name> layer3 dhcp-client enable <yes|no>

set network interface aggregate-ethernet <name> layer3 dhcp-client create-default-route <yes|
no>

set network interface aggregate-ethernet <name> layer3 dhcp-client send-hostname

set network interface aggregate-ethernet <name> layer3 dhcp-client send-hostname enable <yes|
no>

set network interface aggregate-ethernet <name> layer3 dhcp-client send-hostname hostname
<value>|<system-hostname>

set network interface aggregate-ethernet <name> layer3 dhcp-client default-route-metric
<1-65535>

set network interface aggregate-ethernet <name> layer3 ddns-config

set network interface aggregate-ethernet <name> layer3 ddns-config ddns-enabled <yes|no>

set network interface aggregate-ethernet <name> layer3 ddns-config ddns-update-interval
<1-30>

```

```

set network interface aggregate-ethernet <name> layer3 ddns-config ddns-hostname <value>
set network interface aggregate-ethernet <name> layer3 ddns-config ddns-ip [ <ddns-ip1>
<ddns-ip2>... ]
set network interface aggregate-ethernet <name> layer3 ddns-config ddns-ipv6 [ <ddns-ipv61>
<ddns-ipv62>... ]
set network interface aggregate-ethernet <name> layer3 ddns-config ddns-cert-profile <value>
set network interface aggregate-ethernet <name> layer3 ddns-config ddns-vendor <value>
set network interface aggregate-ethernet <name> layer3 ddns-config ddns-vendor-config
set network interface aggregate-ethernet <name> layer3 ddns-config ddns-vendor-config
<name>
set network interface aggregate-ethernet <name> layer3 ddns-config ddns-vendor-config
<name> value <value>
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings enable <yes|no>
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings sdwan-interface-
profile <value>
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat
enable <yes|no>
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat static-
ip
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat static-
ip
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat static-
ip ip-address <value>|<ip/netmask>
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat static-
ip fqdn <value>
set network interface aggregate-ethernet <name> layer3 sdwan-link-settings upstream-nat ddns
set network interface aggregate-ethernet <name> layer3 units
set network interface aggregate-ethernet <name> layer3 units <name>
set network interface aggregate-ethernet <name> layer3 units <name> decrypt-forward <yes|no>
set network interface aggregate-ethernet <name> layer3 units <name> mtu <576-9216>
set network interface aggregate-ethernet <name> layer3 units <name> bonjour
set network interface aggregate-ethernet <name> layer3 units <name> bonjour enable <yes|no>
set network interface aggregate-ethernet <name> layer3 units <name> adjust-tcp-mss

```

```

set network interface aggregate-ethernet <name> layer3 units <name> adjust-tcp-mss enable
<yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> adjust-tcp-mss ipv4-mss-
adjustment <40-300>

set network interface aggregate-ethernet <name> layer3 units <name> adjust-tcp-mss ipv6-mss-
adjustment <60-300>

set network interface aggregate-ethernet <name> layer3 units <name> ip

set network interface aggregate-ethernet <name> layer3 units <name> ip <name>

set network interface aggregate-ethernet <name> layer3 units <name> ip <name> sdwan-
gateway <ip/netmask>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 enabled <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 interface-id <value>|
<EUI-64>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
enable-on-interface <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
prefix

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
anycast

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
advertise

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
advertise enable <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
advertise valid-lifetime <0-4294967294>|<infinity>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
advertise preferred-lifetime <0-4294967294>|<infinity>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
advertise onlink-flag <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 address <name>
advertise auto-config-flag <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement enable <yes|no>

```



```

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement max-interval <4-1800>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement min-interval <3-1350>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement managed-flag <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement other-flag <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement link-mtu <1280-9216>|<unspecified>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement reachable-time <0-3600000>|<unspecified>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement retransmission-timer <0-4294967295>|<unspecified>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement hop-limit <1-255>|<unspecified>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement lifetime <0-9000>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement router-preference <High|Medium|Low>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement enable-consistency-check <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement dns-support

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement dns-support enable <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement dns-support server

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement dns-support server <name>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement dns-support server <name> lifetime <4-3600>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement dns-support suffix

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement dns-support suffix <name>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
router-advertisement dns-support suffix <name> lifetime <4-3600>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery
enable-ndp-monitor <yes|no>

```

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery enable-dad <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery dad-attempts <0-10>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery ns-interval <1-3600>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery reachable-time <10-36000>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor <name>

set network interface aggregate-ethernet <name> layer3 units <name> ipv6 neighbor-discovery neighbor <name> hw-address <value>

set network interface aggregate-ethernet <name> layer3 units <name> arp

set network interface aggregate-ethernet <name> layer3 units <name> arp <name>

set network interface aggregate-ethernet <name> layer3 units <name> arp <name> hw-address <value>

set network interface aggregate-ethernet <name> layer3 units <name> ndp-proxy

set network interface aggregate-ethernet <name> layer3 units <name> ndp-proxy enabled <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ndp-proxy address

set network interface aggregate-ethernet <name> layer3 units <name> ndp-proxy address <name>

set network interface aggregate-ethernet <name> layer3 units <name> ndp-proxy address <name> negate <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> interface-management-profile <value>

set network interface aggregate-ethernet <name> layer3 units <name> tag <1-4094>

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings enable <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings sdwan-interface-profile <value>

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings upstream-nat enable <yes|no>

```

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings
upstream-nat

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings
upstream-nat static-ip

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings
upstream-nat static-ip

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings
upstream-nat static-ip ip-address <value>|<ip/netmask>

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings
upstream-nat static-ip fqdn <value>

set network interface aggregate-ethernet <name> layer3 units <name> sdwan-link-settings
upstream-nat ddns

set network interface aggregate-ethernet <name> layer3 units <name> dhcp-client

set network interface aggregate-ethernet <name> layer3 units <name> dhcp-client enable <yes|
no>

set network interface aggregate-ethernet <name> layer3 units <name> dhcp-client create-
default-route <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> dhcp-client send-
hostname

set network interface aggregate-ethernet <name> layer3 units <name> dhcp-client send-
hostname enable <yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> dhcp-client send-
hostname hostname <value>|<system-hostname>

set network interface aggregate-ethernet <name> layer3 units <name> dhcp-client default-route-
metric <1-65535>

set network interface aggregate-ethernet <name> layer3 units <name> netflow-profile <value>

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-enabled
<yes|no>

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-update-
interval <1-30>

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-
hostname <value>

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-ip
[ <ddns-ip1> <ddns-ip2>... ]

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-ipv6
[ <ddns-ipv61> <ddns-ipv62>... ]

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-cert-
profile <value>

```

```

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-vendor
<value>

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-vendor-
config

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-vendor-
config <name>

set network interface aggregate-ethernet <name> layer3 units <name> ddns-config ddns-vendor-
config <name> value <value>

set network interface aggregate-ethernet <name> layer3 units <name> comment <value>

set network interface aggregate-ethernet <name> layer3 netflow-profile <value>

set network interface aggregate-ethernet <name> comment <value>

set network interface vlan

set network interface vlan mtu <576-9216>

set network interface vlan adjust-tcp-mss

set network interface vlan adjust-tcp-mss enable <yes|no>

set network interface vlan adjust-tcp-mss ipv4-mss-adjustment <40-300>

set network interface vlan adjust-tcp-mss ipv6-mss-adjustment <60-300>

set network interface vlan ip

set network interface vlan ip <name>

set network interface vlan ipv6

set network interface vlan ipv6 enabled <yes|no>

set network interface vlan ipv6 interface-id <value>|<EUI-64>

set network interface vlan ipv6 address

set network interface vlan ipv6 address <name>

set network interface vlan ipv6 address <name> enable-on-interface <yes|no>

set network interface vlan ipv6 address <name> prefix

set network interface vlan ipv6 address <name> anycast

set network interface vlan ipv6 address <name> advertise

set network interface vlan ipv6 address <name> advertise enable <yes|no>

set network interface vlan ipv6 address <name> advertise valid-lifetime <0-4294967294>|
<infinity>

set network interface vlan ipv6 address <name> advertise preferred-lifetime <0-4294967294>|
<infinity>

set network interface vlan ipv6 address <name> advertise onlink-flag <yes|no>

set network interface vlan ipv6 address <name> advertise auto-config-flag <yes|no>

```

```

set network interface vlan ipv6 neighbor-discovery
set network interface vlan ipv6 neighbor-discovery router-advertisement
set network interface vlan ipv6 neighbor-discovery router-advertisement enable <yes|no>
set network interface vlan ipv6 neighbor-discovery router-advertisement max-interval <4-1800>
set network interface vlan ipv6 neighbor-discovery router-advertisement min-interval <3-1350>
set network interface vlan ipv6 neighbor-discovery router-advertisement managed-flag <yes|no>
set network interface vlan ipv6 neighbor-discovery router-advertisement other-flag <yes|no>
set network interface vlan ipv6 neighbor-discovery router-advertisement link-mtu <1280-9216>|
<unspecified>
set network interface vlan ipv6 neighbor-discovery router-advertisement reachable-time
<0-3600000>|<unspecified>
set network interface vlan ipv6 neighbor-discovery router-advertisement retransmission-timer
<0-4294967295>|<unspecified>
set network interface vlan ipv6 neighbor-discovery router-advertisement hop-limit <1-255>|
<unspecified>
set network interface vlan ipv6 neighbor-discovery router-advertisement lifetime <0-9000>
set network interface vlan ipv6 neighbor-discovery router-advertisement router-preference
<High|Medium|Low>
set network interface vlan ipv6 neighbor-discovery router-advertisement enable-consistency-
check <yes|no>
set network interface vlan ipv6 neighbor-discovery router-advertisement dns-support
set network interface vlan ipv6 neighbor-discovery router-advertisement dns-support enable
<yes|no>
set network interface vlan ipv6 neighbor-discovery router-advertisement dns-support server
set network interface vlan ipv6 neighbor-discovery router-advertisement dns-support server
<name>
set network interface vlan ipv6 neighbor-discovery router-advertisement dns-support server
<name> lifetime <4-3600>
set network interface vlan ipv6 neighbor-discovery router-advertisement dns-support suffix
set network interface vlan ipv6 neighbor-discovery router-advertisement dns-support suffix
<name>
set network interface vlan ipv6 neighbor-discovery router-advertisement dns-support suffix
<name> lifetime <4-3600>
set network interface vlan ipv6 neighbor-discovery enable-ndp-monitor <yes|no>
set network interface vlan ipv6 neighbor-discovery enable-dad <yes|no>
set network interface vlan ipv6 neighbor-discovery dad-attempts <0-10>
set network interface vlan ipv6 neighbor-discovery ns-interval <1-3600>

```

```
set network interface vlan ipv6 neighbor-discovery reachable-time <10-36000>
set network interface vlan ipv6 neighbor-discovery neighbor
set network interface vlan ipv6 neighbor-discovery neighbor <name>
set network interface vlan ipv6 neighbor-discovery neighbor <name> hw-address <value>
set network interface vlan arp
set network interface vlan arp <name>
set network interface vlan arp <name> hw-address <value>
set network interface vlan arp <name> interface <value>
set network interface vlan ndp-proxy
set network interface vlan ndp-proxy enabled <yes|no>
set network interface vlan ndp-proxy address
set network interface vlan ndp-proxy address <name>
set network interface vlan ndp-proxy address <name> negate <yes|no>
set network interface vlan interface-management-profile <value>
set network interface vlan dhcp-client
set network interface vlan dhcp-client enable <yes|no>
set network interface vlan dhcp-client create-default-route <yes|no>
set network interface vlan dhcp-client send-hostname
set network interface vlan dhcp-client send-hostname enable <yes|no>
set network interface vlan dhcp-client send-hostname hostname <value>|<system-hostname>
set network interface vlan dhcp-client default-route-metric <1-65535>
set network interface vlan ddns-config
set network interface vlan ddns-config ddns-enabled <yes|no>
set network interface vlan ddns-config ddns-update-interval <1-30>
set network interface vlan ddns-config ddns-hostname <value>
set network interface vlan ddns-config ddns-ip [ <ddns-ip1> <ddns-ip2>... ]
set network interface vlan ddns-config ddns-ipv6 [ <ddns-ipv61> <ddns-ipv62>... ]
set network interface vlan ddns-config ddns-cert-profile <value>
set network interface vlan ddns-config ddns-vendor <value>
set network interface vlan ddns-config ddns-vendor-config
set network interface vlan ddns-config ddns-vendor-config <name>
set network interface vlan ddns-config ddns-vendor-config <name> value <value>
set network interface vlan units
```

```

set network interface vlan units <name>
set network interface vlan units <name> mtu <576-9216>
set network interface vlan units <name> adjust-tcp-mss
set network interface vlan units <name> adjust-tcp-mss enable <yes|no>
set network interface vlan units <name> adjust-tcp-mss ipv4-mss-adjustment <40-300>
set network interface vlan units <name> adjust-tcp-mss ipv6-mss-adjustment <60-300>
set network interface vlan units <name> ip
set network interface vlan units <name> ip <name>
set network interface vlan units <name> ipv6
set network interface vlan units <name> ipv6 enabled <yes|no>
set network interface vlan units <name> ipv6 interface-id <value>|<EUI-64>
set network interface vlan units <name> ipv6 address
set network interface vlan units <name> ipv6 address <name>
set network interface vlan units <name> ipv6 address <name> enable-on-interface <yes|no>
set network interface vlan units <name> ipv6 address <name> prefix
set network interface vlan units <name> ipv6 address <name> anycast
set network interface vlan units <name> ipv6 address <name> advertise
set network interface vlan units <name> ipv6 address <name> advertise enable <yes|no>
set network interface vlan units <name> ipv6 address <name> advertise valid-lifetime
<0-4294967294>|<infinity>
set network interface vlan units <name> ipv6 address <name> advertise preferred-lifetime
<0-4294967294>|<infinity>
set network interface vlan units <name> ipv6 address <name> advertise onlink-flag <yes|no>
set network interface vlan units <name> ipv6 address <name> advertise auto-config-flag <yes|
no>
set network interface vlan units <name> ipv6 neighbor-discovery
set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement
set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement enable
<yes|no>
set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement max-
interval <4-1800>
set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement min-
interval <3-1350>
set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement managed-
flag <yes|no>

```

```

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement other-flag
<yes|no>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement link-mtu
<1280-9216>|<unspecified>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement
reachable-time <0-3600000>|<unspecified>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement
retransmission-timer <0-4294967295>|<unspecified>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement hop-limit
<1-255>|<unspecified>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement lifetime
<0-9000>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement router-
preference <High|Medium|Low>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement enable-
consistency-check <yes|no>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-
support

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-
support enable <yes|no>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-
support server

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-
support server <name>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-
support server <name> lifetime <4-3600>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-
support suffix

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-
support suffix <name>

set network interface vlan units <name> ipv6 neighbor-discovery router-advertisement dns-
support suffix <name> lifetime <4-3600>

set network interface vlan units <name> ipv6 neighbor-discovery enable-ndp-monitor <yes|no>

set network interface vlan units <name> ipv6 neighbor-discovery enable-dad <yes|no>

set network interface vlan units <name> ipv6 neighbor-discovery dad-attempts <0-10>

set network interface vlan units <name> ipv6 neighbor-discovery ns-interval <1-3600>

set network interface vlan units <name> ipv6 neighbor-discovery reachable-time <10-36000>

set network interface vlan units <name> ipv6 neighbor-discovery neighbor

set network interface vlan units <name> ipv6 neighbor-discovery neighbor <name>

```



```

set network interface vlan units <name> ipv6 neighbor-discovery neighbor <name> hw-address
<value>
set network interface vlan units <name> arp
set network interface vlan units <name> arp <name>
set network interface vlan units <name> arp <name> hw-address <value>
set network interface vlan units <name> arp <name> interface <value>
set network interface vlan units <name> ndp-proxy
set network interface vlan units <name> ndp-proxy enabled <yes|no>
set network interface vlan units <name> ndp-proxy address
set network interface vlan units <name> ndp-proxy address <name>
set network interface vlan units <name> ndp-proxy address <name> negate <yes|no>
set network interface vlan units <name> interface-management-profile <value>
set network interface vlan units <name> dhcp-client
set network interface vlan units <name> dhcp-client enable <yes|no>
set network interface vlan units <name> dhcp-client create-default-route <yes|no>
set network interface vlan units <name> dhcp-client send-hostname
set network interface vlan units <name> dhcp-client send-hostname enable <yes|no>
set network interface vlan units <name> dhcp-client send-hostname hostname <value>|<system-
hostname>
set network interface vlan units <name> dhcp-client default-route-metric <1-65535>
set network interface vlan units <name> netflow-profile <value>
set network interface vlan units <name> ddns-config
set network interface vlan units <name> ddns-config ddns-enabled <yes|no>
set network interface vlan units <name> ddns-config ddns-update-interval <1-30>
set network interface vlan units <name> ddns-config ddns-hostname <value>
set network interface vlan units <name> ddns-config ddns-ip [ <ddns-ip1> <ddns-ip2>... ]
set network interface vlan units <name> ddns-config ddns-ipv6 [ <ddns-ipv61> <ddns-ipv62>... ]
set network interface vlan units <name> ddns-config ddns-cert-profile <value>
set network interface vlan units <name> ddns-config ddns-vendor <value>
set network interface vlan units <name> ddns-config ddns-vendor-config
set network interface vlan units <name> ddns-config ddns-vendor-config <name>
set network interface vlan units <name> ddns-config ddns-vendor-config <name> value <value>
set network interface vlan units <name> comment <value>
set network interface vlan netflow-profile <value>

```

```

set network interface vlan comment <value>
set network interface loopback
set network interface loopback df-ignore <yes|no>
set network interface loopback mtu <576-9216>
set network interface loopback adjust-tcp-mss
set network interface loopback adjust-tcp-mss enable <yes|no>
set network interface loopback adjust-tcp-mss ipv4-mss-adjustment <40-300>
set network interface loopback adjust-tcp-mss ipv6-mss-adjustment <60-300>
set network interface loopback ip
set network interface loopback ip <name>
set network interface loopback ipv6
set network interface loopback ipv6 enabled <yes|no>
set network interface loopback ipv6 interface-id <value>|<EUI-64>
set network interface loopback ipv6 address
set network interface loopback ipv6 address <name>
set network interface loopback ipv6 address <name> enable-on-interface <yes|no>
set network interface loopback ipv6 address <name> prefix
set network interface loopback ipv6 address <name> anycast
set network interface loopback interface-management-profile <value>
set network interface loopback units
set network interface loopback units <name>
set network interface loopback units <name> mtu <576-9216>
set network interface loopback units <name> adjust-tcp-mss
set network interface loopback units <name> adjust-tcp-mss enable <yes|no>
set network interface loopback units <name> adjust-tcp-mss ipv4-mss-adjustment <40-300>
set network interface loopback units <name> adjust-tcp-mss ipv6-mss-adjustment <60-300>
set network interface loopback units <name> ip
set network interface loopback units <name> ip <name>
set network interface loopback units <name> ipv6
set network interface loopback units <name> ipv6 enabled <yes|no>
set network interface loopback units <name> ipv6 interface-id <value>|<EUI-64>
set network interface loopback units <name> ipv6 address
set network interface loopback units <name> ipv6 address <name>

```

```

set network interface loopback units <name> ipv6 address <name> enable-on-interface <yes|no>
set network interface loopback units <name> ipv6 address <name> prefix
set network interface loopback units <name> ipv6 address <name> anycast
set network interface loopback units <name> interface-management-profile <value>
set network interface loopback units <name> netflow-profile <value>
set network interface loopback units <name> comment <value>
set network interface loopback netflow-profile <value>
set network interface loopback comment <value>
set network interface tunnel
set network interface tunnel mtu <576-9216>
set network interface tunnel ip
set network interface tunnel ip <name>
set network interface tunnel ipv6
set network interface tunnel ipv6 enabled <yes|no>
set network interface tunnel ipv6 interface-id <value>|<EUI-64>
set network interface tunnel ipv6 address
set network interface tunnel ipv6 address <name>
set network interface tunnel ipv6 address <name> enable-on-interface <yes|no>
set network interface tunnel ipv6 address <name> prefix
set network interface tunnel ipv6 address <name> anycast
set network interface tunnel interface-management-profile <value>
set network interface tunnel units
set network interface tunnel units <name>
set network interface tunnel units <name> mtu <576-9216>
set network interface tunnel units <name> ip
set network interface tunnel units <name> ip <name>
set network interface tunnel units <name> ipv6
set network interface tunnel units <name> ipv6 enabled <yes|no>
set network interface tunnel units <name> ipv6 interface-id <value>|<EUI-64>
set network interface tunnel units <name> ipv6 address
set network interface tunnel units <name> ipv6 address <name>
set network interface tunnel units <name> ipv6 address <name> enable-on-interface <yes|no>
set network interface tunnel units <name> ipv6 address <name> prefix

```

```
set network interface tunnel units <name> ipv6 address <name> anycast
set network interface tunnel units <name> interface-management-profile <value>
set network interface tunnel units <name> netflow-profile <value>
set network interface tunnel units <name> comment <value>
set network interface tunnel netflow-profile <value>
set network interface tunnel comment <value>
set network interface sdwan
set network interface sdwan units
set network interface sdwan units <name>
set network interface sdwan units <name> comment <value>
set network interface sdwan units <name> cluster-name <value>
set network interface sdwan units <name> link-tag <value>
set network interface sdwan units <name> interface [ <interface1> <interface2>... ]
set network ike
set network ike gateway
set network ike gateway <name>
set network ike gateway <name> disabled <yes|no>
set network ike gateway <name> ipv6 <yes|no>
set network ike gateway <name> comment <value>
set network ike gateway <name> peer-address
set network ike gateway <name> peer-address ip <value>|<ip/netmask>
set network ike gateway <name> peer-address fqdn <value>
set network ike gateway <name> peer-address dynamic
set network ike gateway <name> local-address
set network ike gateway <name> local-address interface <value>
set network ike gateway <name> local-address
set network ike gateway <name> local-address ip <value>
set network ike gateway <name> local-address floating-ip <value>
set network ike gateway <name> peer-id
set network ike gateway <name> peer-id type <value>
set network ike gateway <name> peer-id id <value>
set network ike gateway <name> peer-id matching <exact|wildcard>
set network ike gateway <name> local-id
```

```

set network ike gateway <name> local-id type <value>
set network ike gateway <name> local-id id <value>
set network ike gateway <name> authentication
set network ike gateway <name> authentication pre-shared-key
set network ike gateway <name> authentication pre-shared-key key <value>
set network ike gateway <name> authentication certificate
set network ike gateway <name> authentication certificate local-certificate
set network ike gateway <name> authentication certificate local-certificate name <value>
set network ike gateway <name> authentication certificate local-certificate hash-and-url
set network ike gateway <name> authentication certificate local-certificate hash-and-url enable
<yes|no>
set network ike gateway <name> authentication certificate local-certificate hash-and-url base-url
<value>
set network ike gateway <name> authentication certificate certificate-profile <value>
set network ike gateway <name> authentication certificate use-management-as-source <yes|no>
set network ike gateway <name> authentication certificate strict-validation-revocation <yes|no>
set network ike gateway <name> authentication certificate allow-id-payload-mismatch <yes|no>
set network ike gateway <name> protocol
set network ike gateway <name> protocol version <ikev1|ikev2|ikev2-preferred>
set network ike gateway <name> protocol ikev1
set network ike gateway <name> protocol ikev1 exchange-mode <auto|main|aggressive>
set network ike gateway <name> protocol ikev1 ike-crypto-profile <value>
set network ike gateway <name> protocol ikev1 dpd
set network ike gateway <name> protocol ikev1 dpd enable <yes|no>
set network ike gateway <name> protocol ikev1 dpd interval <2-100>
set network ike gateway <name> protocol ikev1 dpd retry <2-100>
set network ike gateway <name> protocol ikev2
set network ike gateway <name> protocol ikev2 ike-crypto-profile <value>
set network ike gateway <name> protocol ikev2 require-cookie <yes|no>
set network ike gateway <name> protocol ikev2 dpd
set network ike gateway <name> protocol ikev2 dpd enable <yes|no>
set network ike gateway <name> protocol ikev2 dpd interval <2-100>
set network ike gateway <name> protocol-common
set network ike gateway <name> protocol-common nat-traversal

```

```
set network ike gateway <name> protocol-common nat-traversal enable <yes|no>
set network ike gateway <name> protocol-common nat-traversal keep-alive-interval <10-3600>
set network ike gateway <name> protocol-common nat-traversal udp-checksum-enable <yes|no>
set network ike gateway <name> protocol-common passive-mode <yes|no>
set network ike gateway <name> protocol-common fragmentation
set network ike gateway <name> protocol-common fragmentation enable <yes|no>
set network ike crypto-profiles
set network ike crypto-profiles ike-crypto-profiles
set network ike crypto-profiles ike-crypto-profiles <name>
set network ike crypto-profiles ike-crypto-profiles <name> encryption [ <encryption1>
<encryption2>... ]
set network ike crypto-profiles ike-crypto-profiles <name> hash [ <hash1> <hash2>... ]
set network ike crypto-profiles ike-crypto-profiles <name> dh-group [ <dh-group1> <dh-
group2>... ]
set network ike crypto-profiles ike-crypto-profiles <name> lifetime
set network ike crypto-profiles ike-crypto-profiles <name> lifetime seconds <180-65535>
set network ike crypto-profiles ike-crypto-profiles <name> lifetime minutes <3-65535>
set network ike crypto-profiles ike-crypto-profiles <name> lifetime hours <1-65535>
set network ike crypto-profiles ike-crypto-profiles <name> lifetime days <1-365>
set network ike crypto-profiles ike-crypto-profiles <name> authentication-multiple <0-50>
set network ike crypto-profiles ipsec-crypto-profiles
set network ike crypto-profiles ipsec-crypto-profiles <name>
set network ike crypto-profiles ipsec-crypto-profiles <name>
set network ike crypto-profiles ipsec-crypto-profiles <name> esp
set network ike crypto-profiles ipsec-crypto-profiles <name> esp encryption [ <encryption1>
<encryption2>... ]
set network ike crypto-profiles ipsec-crypto-profiles <name> esp authentication
[ <authentication1> <authentication2>... ]
set network ike crypto-profiles ipsec-crypto-profiles <name> ah
set network ike crypto-profiles ipsec-crypto-profiles <name> ah authentication
[ <authentication1> <authentication2>... ]
set network ike crypto-profiles ipsec-crypto-profiles <name> dh-group <no-pfs|group1|group2|
group5|group14|group19|group20>
set network ike crypto-profiles ipsec-crypto-profiles <name> lifetime
set network ike crypto-profiles ipsec-crypto-profiles <name> lifetime seconds <180-65535>
```

```

set network ike crypto-profiles ipsec-crypto-profiles <name> lifetime minutes <3-65535>
set network ike crypto-profiles ipsec-crypto-profiles <name> lifetime hours <1-65535>
set network ike crypto-profiles ipsec-crypto-profiles <name> lifetime days <1-365>
set network ike crypto-profiles ipsec-crypto-profiles <name> lifesize
set network ike crypto-profiles ipsec-crypto-profiles <name> lifesize kb <1-65535>
set network ike crypto-profiles ipsec-crypto-profiles <name> lifesize mb <1-65535>
set network ike crypto-profiles ipsec-crypto-profiles <name> lifesize gb <1-65535>
set network ike crypto-profiles ipsec-crypto-profiles <name> lifesize tb <1-65535>
set network ike crypto-profiles global-protect-app-crypto-profiles
set network ike crypto-profiles global-protect-app-crypto-profiles <name>
set network ike crypto-profiles global-protect-app-crypto-profiles <name> encryption
[ <encryption1> <encryption2>... ]
set network ike crypto-profiles global-protect-app-crypto-profiles <name> authentication
[ <authentication1> <authentication2>... ]
set network tunnel
set network tunnel gre
set network tunnel gre <name>
set network tunnel gre <name> disabled <yes|no>
set network tunnel gre <name> copy-tos <yes|no>
set network tunnel gre <name> ttl <1-255>
set network tunnel gre <name> tunnel-interface <value>
set network tunnel gre <name> local-address
set network tunnel gre <name> local-address interface <value>
set network tunnel gre <name> local-address
set network tunnel gre <name> local-address ip <value>
set network tunnel gre <name> local-address floating-ip <value>
set network tunnel gre <name> peer-address
set network tunnel gre <name> peer-address ip <ip/netmask>
set network tunnel gre <name> keep-alive
set network tunnel gre <name> keep-alive enable <yes|no>
set network tunnel gre <name> keep-alive interval <1-50>
set network tunnel gre <name> keep-alive retry <1-64>
set network tunnel gre <name> keep-alive hold-timer <1-64>
set network tunnel ipsec

```

```
set network tunnel ipsec <name>
set network tunnel ipsec <name> disabled <yes|no>
set network tunnel ipsec <name> ipv6 <yes|no>
set network tunnel ipsec <name> comment <value>
set network tunnel ipsec <name> tunnel-interface <value>
set network tunnel ipsec <name> anti-replay <yes|no>
set network tunnel ipsec <name> anti-replay-window <64|128|256|512|1024|2048|4096>
set network tunnel ipsec <name> copy-tos <yes|no>
set network tunnel ipsec <name> copy-flow-label <yes|no>
set network tunnel ipsec <name> enable-gre-encapsulation <yes|no>
set network tunnel ipsec <name> tunnel-monitor
set network tunnel ipsec <name> tunnel-monitor enable <yes|no>
set network tunnel ipsec <name> tunnel-monitor destination-ip <ip/netmask>
set network tunnel ipsec <name> tunnel-monitor proxy-id <value>
set network tunnel ipsec <name> tunnel-monitor tunnel-monitor-profile <value>
set network tunnel ipsec <name>
set network tunnel ipsec <name> auto-key
set network tunnel ipsec <name> auto-key ike-gateway
set network tunnel ipsec <name> auto-key ike-gateway <name>
set network tunnel ipsec <name> auto-key ipsec-crypto-profile <value>
set network tunnel ipsec <name> auto-key proxy-id
set network tunnel ipsec <name> auto-key proxy-id <name>
set network tunnel ipsec <name> auto-key proxy-id <name> local <ip/netmask>
set network tunnel ipsec <name> auto-key proxy-id <name> remote <ip/netmask>
set network tunnel ipsec <name> auto-key proxy-id <name> protocol
set network tunnel ipsec <name> auto-key proxy-id <name> protocol number <1-254>
set network tunnel ipsec <name> auto-key proxy-id <name> protocol any
set network tunnel ipsec <name> auto-key proxy-id <name> protocol tcp
set network tunnel ipsec <name> auto-key proxy-id <name> protocol tcp local-port <0-65535>
set network tunnel ipsec <name> auto-key proxy-id <name> protocol tcp remote-port <0-65535>
set network tunnel ipsec <name> auto-key proxy-id <name> protocol udp
set network tunnel ipsec <name> auto-key proxy-id <name> protocol udp local-port <0-65535>
set network tunnel ipsec <name> auto-key proxy-id <name> protocol udp remote-port
<0-65535>
```



```
set network tunnel ipsec <name> auto-key proxy-id-v6
set network tunnel ipsec <name> auto-key proxy-id-v6 <name>
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> local <ip/netmask>
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> remote <ip/netmask>
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol number <1-254>
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol any
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol tcp
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol tcp local-port
<0-65535>
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol tcp remote-port
<0-65535>
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol udp
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol udp local-port
<0-65535>
set network tunnel ipsec <name> auto-key proxy-id-v6 <name> protocol udp remote-port
<0-65535>
set network tunnel ipsec <name> manual-key
set network tunnel ipsec <name> manual-key peer-address
set network tunnel ipsec <name> manual-key peer-address ip <ip/netmask>
set network tunnel ipsec <name> manual-key local-address
set network tunnel ipsec <name> manual-key local-address interface <value>
set network tunnel ipsec <name> manual-key local-address
set network tunnel ipsec <name> manual-key local-address ip <value>
set network tunnel ipsec <name> manual-key local-address floating-ip <value>
set network tunnel ipsec <name> manual-key local-spi <value>
set network tunnel ipsec <name> manual-key remote-spi <value>
set network tunnel ipsec <name> manual-key
set network tunnel ipsec <name> manual-key esp
set network tunnel ipsec <name> manual-key esp authentication
set network tunnel ipsec <name> manual-key esp authentication
set network tunnel ipsec <name> manual-key esp authentication md5
set network tunnel ipsec <name> manual-key esp authentication md5 key <value>
set network tunnel ipsec <name> manual-key esp authentication sha1
set network tunnel ipsec <name> manual-key esp authentication sha1 key <value>
```

```

set network tunnel ipsec <name> manual-key esp authentication sha256
set network tunnel ipsec <name> manual-key esp authentication sha256 key <value>
set network tunnel ipsec <name> manual-key esp authentication sha384
set network tunnel ipsec <name> manual-key esp authentication sha384 key <value>
set network tunnel ipsec <name> manual-key esp authentication sha512
set network tunnel ipsec <name> manual-key esp authentication sha512 key <value>
set network tunnel ipsec <name> manual-key esp authentication none
set network tunnel ipsec <name> manual-key esp encryption
set network tunnel ipsec <name> manual-key esp encryption algorithm <des|3des|aes-128-cbc|
aes-192-cbc|aes-256-cbc|null>
set network tunnel ipsec <name> manual-key esp encryption key <value>
set network tunnel ipsec <name> manual-key ah
set network tunnel ipsec <name> manual-key ah
set network tunnel ipsec <name> manual-key ah md5
set network tunnel ipsec <name> manual-key ah md5 key <value>
set network tunnel ipsec <name> manual-key ah sha1
set network tunnel ipsec <name> manual-key ah sha1 key <value>
set network tunnel ipsec <name> manual-key ah sha256
set network tunnel ipsec <name> manual-key ah sha256 key <value>
set network tunnel ipsec <name> manual-key ah sha384
set network tunnel ipsec <name> manual-key ah sha384 key <value>
set network tunnel ipsec <name> manual-key ah sha512
set network tunnel ipsec <name> manual-key ah sha512 key <value>
set network tunnel ipsec <name> global-protect-satellite
set network tunnel ipsec <name> global-protect-satellite portal-address <value>
set network tunnel ipsec <name> global-protect-satellite ipv6-preferred <yes|no>
set network tunnel ipsec <name> global-protect-satellite local-address
set network tunnel ipsec <name> global-protect-satellite local-address interface <value>
set network tunnel ipsec <name> global-protect-satellite local-address
set network tunnel ipsec <name> global-protect-satellite local-address ip
set network tunnel ipsec <name> global-protect-satellite local-address ip ipv4 <value>
set network tunnel ipsec <name> global-protect-satellite local-address ip ipv6 <value>
set network tunnel ipsec <name> global-protect-satellite local-address floating-ip
set network tunnel ipsec <name> global-protect-satellite local-address floating-ip ipv4 <value>

```

```

set network tunnel ipsec <name> global-protect-satellite local-address floating-ip ipv6 <value>
set network tunnel ipsec <name> global-protect-satellite publish-routes [ <publish-routes1>
<publish-routes2>... ]
set network tunnel ipsec <name> global-protect-satellite publish-connected-routes
set network tunnel ipsec <name> global-protect-satellite publish-connected-routes enable <yes|
no>
set network tunnel ipsec <name> global-protect-satellite external-ca
set network tunnel ipsec <name> global-protect-satellite external-ca local-certificate <value>
set network tunnel ipsec <name> global-protect-satellite external-ca certificate-profile <value>
set network tunnel global-protect-gateway
set network tunnel global-protect-gateway <name>
set network tunnel global-protect-gateway <name> tunnel-interface <value>
set network tunnel global-protect-gateway <name> local-address
set network tunnel global-protect-gateway <name> local-address ip-address-family <ipv4|ipv6|
ipv4_ipv6>
set network tunnel global-protect-gateway <name> local-address interface <value>
set network tunnel global-protect-gateway <name> local-address
set network tunnel global-protect-gateway <name> local-address ip
set network tunnel global-protect-gateway <name> local-address ip ipv4 <value>
set network tunnel global-protect-gateway <name> local-address ip ipv6 <value>
set network tunnel global-protect-gateway <name> local-address floating-ip
set network tunnel global-protect-gateway <name> local-address floating-ip ipv4 <value>
set network tunnel global-protect-gateway <name> local-address floating-ip ipv6 <value>
set network tunnel global-protect-gateway <name> ipsec
set network tunnel global-protect-gateway <name> ipsec enable <yes|no>
set network tunnel global-protect-gateway <name> ipsec third-party-client
set network tunnel global-protect-gateway <name> ipsec third-party-client enable <yes|no>
set network tunnel global-protect-gateway <name> ipsec third-party-client group-name <value>
set network tunnel global-protect-gateway <name> ipsec third-party-client group-password
<value>
set network tunnel global-protect-gateway <name> ipsec third-party-client rekey-noauth <yes|
no>
set network tunnel global-protect-gateway <name> ipsec ipsec-crypto-profile <value>
set network tunnel global-protect-gateway <name> max-user <1-65535>
set network tunnel global-protect-gateway <name> ip-pool [ <ip-pool1> <ip-pool2>... ]

```

```

set network tunnel global-protect-gateway <name> client
set network tunnel global-protect-gateway <name> client inheritance
set network tunnel global-protect-gateway <name> client inheritance source <value>
set network tunnel global-protect-gateway <name> client dns-server
set network tunnel global-protect-gateway <name> client dns-server primary <ip/netmask>|
<inherited>
set network tunnel global-protect-gateway <name> client dns-server secondary <ip/netmask>|
<inherited>
set network tunnel global-protect-gateway <name> client wins-server
set network tunnel global-protect-gateway <name> client wins-server primary <ip/netmask>|
<validate>|<inherited>
set network tunnel global-protect-gateway <name> client wins-server secondary <ip/netmask>|
<validate>|<inherited>
set network tunnel global-protect-gateway <name> client dns-suffix-inherited <yes|no>
set network tunnel global-protect-gateway <name> client dns-suffix [ <dns-suffix1> <dns-
suffix2>... ]
set network tunnel global-protect-gateway <name> client exclude-video-traffic
set network tunnel global-protect-gateway <name> client exclude-video-traffic enabled <yes|no>
set network tunnel global-protect-gateway <name> client exclude-video-traffic applications
[ <applications1> <applications2>... ]
set network tunnel global-protect-site-to-site
set network tunnel global-protect-site-to-site <name>
set network tunnel global-protect-site-to-site <name> tunnel-interface <value>
set network tunnel global-protect-site-to-site <name> local-address
set network tunnel global-protect-site-to-site <name> local-address ip-address-family <ipv4|ipv6|
ipv4_ipv6>
set network tunnel global-protect-site-to-site <name> local-address interface <value>
set network tunnel global-protect-site-to-site <name> local-address
set network tunnel global-protect-site-to-site <name> local-address ip
set network tunnel global-protect-site-to-site <name> local-address ip ipv4 <value>
set network tunnel global-protect-site-to-site <name> local-address ip ipv6 <value>
set network tunnel global-protect-site-to-site <name> local-address floating-ip
set network tunnel global-protect-site-to-site <name> local-address floating-ip ipv4 <value>
set network tunnel global-protect-site-to-site <name> local-address floating-ip ipv6 <value>
set network tunnel global-protect-site-to-site <name> client
set network tunnel global-protect-site-to-site <name> client config-refresh-interval <1-48>

```

```

set network tunnel global-protect-site-to-site <name> client ip-pool [ <ip-pool1> <ip-pool2>... ]
set network tunnel global-protect-site-to-site <name> client inheritance
set network tunnel global-protect-site-to-site <name> client inheritance source <value>
set network tunnel global-protect-site-to-site <name> client dns-server
set network tunnel global-protect-site-to-site <name> client dns-server primary <ip/netmask>|
<inherited>
set network tunnel global-protect-site-to-site <name> client dns-server secondary <ip/netmask>|
<inherited>
set network tunnel global-protect-site-to-site <name> client dns-suffix-inherited <yes|no>
set network tunnel global-protect-site-to-site <name> client dns-suffix [ <dns-suffix1> <dns-
suffix2>... ]
set network tunnel global-protect-site-to-site <name> client split-tunneling
set network tunnel global-protect-site-to-site <name> client split-tunneling access-route
[ <access-route1> <access-route2>... ]
set network tunnel global-protect-site-to-site <name> client tunnel-monitor
set network tunnel global-protect-site-to-site <name> client tunnel-monitor enable <yes|no>
set network tunnel global-protect-site-to-site <name> client tunnel-monitor destination-ip <ip/
netmask>
set network tunnel global-protect-site-to-site <name> client tunnel-monitor destination-ipv6 <ip/
netmask>
set network tunnel global-protect-site-to-site <name> client tunnel-monitor tunnel-monitor-
profile <value>
set network tunnel global-protect-site-to-site <name> client ipsec-crypto-profile <value>
set network tunnel global-protect-site-to-site <name> client accept-published-routes <yes|no>
set network tunnel global-protect-site-to-site <name> client valid-networks [ <valid-networks1>
<valid-networks2>... ]
set network tunnel global-protect-site-to-site <name> client anti-replay <yes|no>
set network tunnel global-protect-site-to-site <name> client copy-tos <yes|no>
set network vlan
set network vlan <name>
set network vlan <name> interface [ <interface1> <interface2>... ]
set network vlan <name> mac
set network vlan <name> mac <name>
set network vlan <name> mac <name> interface <value>
set network vlan <name> virtual-interface
set network vlan <name> virtual-interface interface <value>

```

```

set network qos
set network qos profile
set network qos profile <name>
set network qos profile <name> aggregate-bandwidth
set network qos profile <name> aggregate-bandwidth egress-max <float>
set network qos profile <name> aggregate-bandwidth egress-guaranteed <float>
set network qos profile <name> class-bandwidth-type
set network qos profile <name> class-bandwidth-type mbps
set network qos profile <name> class-bandwidth-type mbps class
set network qos profile <name> class-bandwidth-type mbps class <name>
set network qos profile <name> class-bandwidth-type mbps class <name> priority <real-time|
high|medium|low>
set network qos profile <name> class-bandwidth-type mbps class <name> class-bandwidth
set network qos profile <name> class-bandwidth-type mbps class <name> class-bandwidth
egress-max <float>
set network qos profile <name> class-bandwidth-type mbps class <name> class-bandwidth
egress-guaranteed <float>
set network qos profile <name> class-bandwidth-type percentage
set network qos profile <name> class-bandwidth-type percentage class
set network qos profile <name> class-bandwidth-type percentage class <name>
set network qos profile <name> class-bandwidth-type percentage class <name> priority <real-
time|high|medium|low>
set network qos profile <name> class-bandwidth-type percentage class <name> class-bandwidth
set network qos profile <name> class-bandwidth-type percentage class <name> class-bandwidth
egress-max <float>
set network qos profile <name> class-bandwidth-type percentage class <name> class-bandwidth
egress-guaranteed <float>
set network qos interface
set network qos interface <name>
set network qos interface <name> enabled <yes|no>
set network qos interface <name> interface-bandwidth
set network qos interface <name> interface-bandwidth egress-max <float>
set network qos interface <name> tunnel-traffic
set network qos interface <name> tunnel-traffic groups
set network qos interface <name> tunnel-traffic groups <name>

```

```

set network qos interface <name> tunnel-traffic groups <name> members
set network qos interface <name> tunnel-traffic groups <name> members <name>
set network qos interface <name> tunnel-traffic groups <name> members <name> qos-profile
<value>
set network qos interface <name> tunnel-traffic default-group
set network qos interface <name> tunnel-traffic default-group per-tunnel-qos-profile <value>
set network qos interface <name> tunnel-traffic bandwidth
set network qos interface <name> tunnel-traffic bandwidth egress-max <float>
set network qos interface <name> tunnel-traffic bandwidth egress-guaranteed <float>
set network qos interface <name> regular-traffic
set network qos interface <name> regular-traffic groups
set network qos interface <name> regular-traffic groups <name>
set network qos interface <name> regular-traffic groups <name> members
set network qos interface <name> regular-traffic groups <name> members <name>
set network qos interface <name> regular-traffic groups <name> members <name> qos-profile
<value>
set network qos interface <name> regular-traffic groups <name> members <name> match
set network qos interface <name> regular-traffic groups <name> members <name> match local-
address
set network qos interface <name> regular-traffic groups <name> members <name> match local-
address interface <value>
set network qos interface <name> regular-traffic groups <name> members <name> match local-
address destination_interface <value>
set network qos interface <name> regular-traffic groups <name> members <name> match local-
address address [ <address1> <address2>... ]
set network qos interface <name> regular-traffic default-group
set network qos interface <name> regular-traffic default-group qos-profile <value>
set network qos interface <name> regular-traffic bandwidth
set network qos interface <name> regular-traffic bandwidth egress-max <float>
set network qos interface <name> regular-traffic bandwidth egress-guaranteed <float>
set network virtual-wire
set network virtual-wire <name>
set network virtual-wire <name> interface1 <value>
set network virtual-wire <name> interface2 <value>
set network virtual-wire <name> tag-allowed <0-4094,...>

```

```

set network virtual-wire <name> multicast-firewalling
set network virtual-wire <name> multicast-firewalling enable <yes|no>
set network virtual-wire <name> link-state-pass-through
set network virtual-wire <name> link-state-pass-through enable <yes|no>
set network virtual-router
set network virtual-router <name>
set network virtual-router <name> interface [ <interface1> <interface2>... ]
set network virtual-router <name> routing-table
set network virtual-router <name> routing-table ip
set network virtual-router <name> routing-table ip static-route
set network virtual-router <name> routing-table ip static-route <name>
set network virtual-router <name> routing-table ip static-route <name> destination <value>|<ip/
netmask>
set network virtual-router <name> routing-table ip static-route <name> interface <value>
set network virtual-router <name> routing-table ip static-route <name> nexthop
set network virtual-router <name> routing-table ip static-route <name> nexthop discard
set network virtual-router <name> routing-table ip static-route <name> nexthop ip-address
<value>|<ip/netmask>
set network virtual-router <name> routing-table ip static-route <name> nexthop fqdn <value>
set network virtual-router <name> routing-table ip static-route <name> nexthop next-vr <value>
set network virtual-router <name> routing-table ip static-route <name> admin-dist <10-240>
set network virtual-router <name> routing-table ip static-route <name> metric <1-65535>
set network virtual-router <name> routing-table ip static-route <name> route-table
set network virtual-router <name> routing-table ip static-route <name> route-table
set network virtual-router <name> routing-table ip static-route <name> route-table unicast
set network virtual-router <name> routing-table ip static-route <name> route-table multicast
set network virtual-router <name> routing-table ip static-route <name> route-table both
set network virtual-router <name> routing-table ip static-route <name> route-table no-install
set network virtual-router <name> routing-table ip static-route <name> bfd
set network virtual-router <name> routing-table ip static-route <name> bfd profile <value>|
<None>
set network virtual-router <name> routing-table ip static-route <name> path-monitor
set network virtual-router <name> routing-table ip static-route <name> path-monitor enable
<yes|no>

```



```

set network virtual-router <name> routing-table ip static-route <name> path-monitor failure-
condition <any|all>

set network virtual-router <name> routing-table ip static-route <name> path-monitor hold-time
<0-1440>

set network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations

set network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations <name>

set network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations <name> enable <yes|no>

set network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations <name> source <value>|<DHCP|PPPOE>

set network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations <name> destination <value>

set network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations <name> interval <1-60>

set network virtual-router <name> routing-table ip static-route <name> path-monitor monitor-
destinations <name> count <3-10>

set network virtual-router <name> routing-table ipv6

set network virtual-router <name> routing-table ipv6 static-route

set network virtual-router <name> routing-table ipv6 static-route <name>

set network virtual-router <name> routing-table ipv6 static-route <name> destination <value>|
<ip/netmask>

set network virtual-router <name> routing-table ipv6 static-route <name> interface <value>

set network virtual-router <name> routing-table ipv6 static-route <name> nexthop

set network virtual-router <name> routing-table ipv6 static-route <name> nexthop discard

set network virtual-router <name> routing-table ipv6 static-route <name> nexthop ipv6-address
<value>|<ip/netmask>

set network virtual-router <name> routing-table ipv6 static-route <name> nexthop fqdn <value>

set network virtual-router <name> routing-table ipv6 static-route <name> nexthop next-vr
<value>

set network virtual-router <name> routing-table ipv6 static-route <name> admin-dist <10-240>

set network virtual-router <name> routing-table ipv6 static-route <name> metric <1-65535>

set network virtual-router <name> routing-table ipv6 static-route <name> route-table

set network virtual-router <name> routing-table ipv6 static-route <name> route-table

set network virtual-router <name> routing-table ipv6 static-route <name> route-table unicast

set network virtual-router <name> routing-table ipv6 static-route <name> route-table no-install

```

```

set network virtual-router <name> routing-table ipv6 static-route <name> bfd
set network virtual-router <name> routing-table ipv6 static-route <name> bfd profile <value>|
<None>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor enable
<yes|no>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor failure-
condition <any|all>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor hold-
time <0-1440>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor monitor-
destinations
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor monitor-
destinations <name>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor monitor-
destinations <name> enable <yes|no>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor monitor-
destinations <name> source <value>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor monitor-
destinations <name> destination <value>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor monitor-
destinations <name> interval <1-60>
set network virtual-router <name> routing-table ipv6 static-route <name> path-monitor monitor-
destinations <name> count <3-10>
set network virtual-router <name> multicast
set network virtual-router <name> multicast enable <yes|no>
set network virtual-router <name> multicast route-ageout-time <210-7200>
set network virtual-router <name> multicast interface-group
set network virtual-router <name> multicast interface-group <name>
set network virtual-router <name> multicast interface-group <name> description <value>
set network virtual-router <name> multicast interface-group <name> interface [ <interface1>
<interface2>... ]
set network virtual-router <name> multicast interface-group <name> group-permission
set network virtual-router <name> multicast interface-group <name> group-permission any-
source-multicast
set network virtual-router <name> multicast interface-group <name> group-permission any-
source-multicast <name>

```

```

set network virtual-router <name> multicast interface-group <name> group-permission any-
source-multicast <name> group-address <ip/netmask>

set network virtual-router <name> multicast interface-group <name> group-permission any-
source-multicast <name> included <yes|no>

set network virtual-router <name> multicast interface-group <name> group-permission source-
specific-multicast

set network virtual-router <name> multicast interface-group <name> group-permission source-
specific-multicast <name> group-address <ip/netmask>

set network virtual-router <name> multicast interface-group <name> group-permission source-
specific-multicast <name> source-address <ip/netmask>

set network virtual-router <name> multicast interface-group <name> group-permission source-
specific-multicast <name> included <yes|no>

set network virtual-router <name> multicast interface-group <name> igmp

set network virtual-router <name> multicast interface-group <name> igmp enable <yes|no>

set network virtual-router <name> multicast interface-group <name> igmp version <1|2|3>

set network virtual-router <name> multicast interface-group <name> igmp max-query-response-
time <float>

set network virtual-router <name> multicast interface-group <name> igmp query-interval
<1-31744>

set network virtual-router <name> multicast interface-group <name> igmp last-member-query-
interval <float>

set network virtual-router <name> multicast interface-group <name> igmp immediate-leave <yes|
no>

set network virtual-router <name> multicast interface-group <name> igmp robustness <1|2|3|4|5|
6|7>

set network virtual-router <name> multicast interface-group <name> igmp max-groups
<1-65535>|<unlimited>

set network virtual-router <name> multicast interface-group <name> igmp max-sources
<1-65535>|<unlimited>

set network virtual-router <name> multicast interface-group <name> igmp router-alert-policing
<yes|no>

set network virtual-router <name> multicast interface-group <name> pim

set network virtual-router <name> multicast interface-group <name> pim enable <yes|no>

set network virtual-router <name> multicast interface-group <name> pim assert-interval
<0-65534>

set network virtual-router <name> multicast interface-group <name> pim hello-interval
<0-18000>

```

```

set network virtual-router <name> multicast interface-group <name> pim join-prune-interval
<1-18000>

set network virtual-router <name> multicast interface-group <name> pim dr-priority
<0-4294967295>

set network virtual-router <name> multicast interface-group <name> pim bsr-border <yes|no>
set network virtual-router <name> multicast interface-group <name> pim allowed-neighbors
set network virtual-router <name> multicast interface-group <name> pim allowed-neighbors
<name>

set network virtual-router <name> multicast ssm-address-space
set network virtual-router <name> multicast ssm-address-space <name>
set network virtual-router <name> multicast ssm-address-space <name> group-address <ip/
netmask>
set network virtual-router <name> multicast ssm-address-space <name> included <yes|no>
set network virtual-router <name> multicast spt-threshold
set network virtual-router <name> multicast spt-threshold <name>
set network virtual-router <name> multicast spt-threshold <name> threshold <1-4294967295>|
<never|0>
set network virtual-router <name> multicast rp
set network virtual-router <name> multicast rp local-rp
set network virtual-router <name> multicast rp local-rp
set network virtual-router <name> multicast rp local-rp static-rp
set network virtual-router <name> multicast rp local-rp static-rp interface <value>
set network virtual-router <name> multicast rp local-rp static-rp address <value>
set network virtual-router <name> multicast rp local-rp static-rp override <yes|no>
set network virtual-router <name> multicast rp local-rp static-rp group-addresses [ <group-
addresses1> <group-addresses2>... ]
set network virtual-router <name> multicast rp local-rp candidate-rp
set network virtual-router <name> multicast rp local-rp candidate-rp interface <value>
set network virtual-router <name> multicast rp local-rp candidate-rp address <value>
set network virtual-router <name> multicast rp local-rp candidate-rp priority <0-255>
set network virtual-router <name> multicast rp local-rp candidate-rp advertisement-interval
<1-26214>
set network virtual-router <name> multicast rp local-rp candidate-rp group-addresses [ <group-
addresses1> <group-addresses2>... ]
set network virtual-router <name> multicast rp external-rp
set network virtual-router <name> multicast rp external-rp <name>

```

```

set network virtual-router <name> multicast rp external-rp <name> group-addresses [ <group-
addresses1> <group-addresses2>... ]
set network virtual-router <name> multicast rp external-rp <name> override <yes|no>
set network virtual-router <name> protocol
set network virtual-router <name> protocol redistrib-profile
set network virtual-router <name> protocol redistrib-profile <name>
set network virtual-router <name> protocol redistrib-profile <name> priority <1-255>
set network virtual-router <name> protocol redistrib-profile <name> filter
set network virtual-router <name> protocol redistrib-profile <name> filter type [ <type1>
<type2>... ]
set network virtual-router <name> protocol redistrib-profile <name> filter interface [ <interface1>
<interface2>... ]
set network virtual-router <name> protocol redistrib-profile <name> filter destination
[ <destination1> <destination2>... ]
set network virtual-router <name> protocol redistrib-profile <name> filter nexthop [ <nexthop1>
<nexthop2>... ]
set network virtual-router <name> protocol redistrib-profile <name> filter ospf
set network virtual-router <name> protocol redistrib-profile <name> filter ospf path-type [ <path-
type1> <path-type2>... ]
set network virtual-router <name> protocol redistrib-profile <name> filter ospf area [ <area1>
<area2>... ]
set network virtual-router <name> protocol redistrib-profile <name> filter ospf tag [ <tag1>
<tag2>... ]
set network virtual-router <name> protocol redistrib-profile <name> filter bgp
set network virtual-router <name> protocol redistrib-profile <name> filter bgp community
[ <community1> <community2>... ]
set network virtual-router <name> protocol redistrib-profile <name> filter bgp extended-community
[ <extended-community1> <extended-community2>... ]
set network virtual-router <name> protocol redistrib-profile <name> action
set network virtual-router <name> protocol redistrib-profile <name> action no-redist
set network virtual-router <name> protocol redistrib-profile <name> action redistrib
set network virtual-router <name> protocol redistrib-profile-ipv6
set network virtual-router <name> protocol redistrib-profile-ipv6 <name>
set network virtual-router <name> protocol redistrib-profile-ipv6 <name> priority <1-255>
set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter
set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter type [ <type1>
<type2>... ]

```

```

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter interface
[ <interface1> <interface2>... ]

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter destination
[ <destination1> <destination2>... ]

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter nexthop
[ <nexthop1> <nexthop2>... ]

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter ospfv3

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter ospfv3 path-type
[ <path-type1> <path-type2>... ]

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter ospfv3 area
[ <area1> <area2>... ]

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter ospfv3 tag [ <tag1>
<tag2>... ]

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter bgp

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter bgp community
[ <community1> <community2>... ]

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> filter bgp extended-
community [ <extended-community1> <extended-community2>... ]

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> action

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> action no-redist

set network virtual-router <name> protocol redistrib-profile-ipv6 <name> action redistrib

set network virtual-router <name> protocol rip

set network virtual-router <name> protocol rip enable <yes|no>

set network virtual-router <name> protocol rip reject-default-route <yes|no>

set network virtual-router <name> protocol rip allow-redist-default-route <yes|no>

set network virtual-router <name> protocol rip timers

set network virtual-router <name> protocol rip timers interval-seconds <1-60>

set network virtual-router <name> protocol rip timers update-intervals <1-255>

set network virtual-router <name> protocol rip timers expire-intervals <1-255>

set network virtual-router <name> protocol rip timers delete-intervals <1-255>

set network virtual-router <name> protocol rip auth-profile

set network virtual-router <name> protocol rip auth-profile <name>

set network virtual-router <name> protocol rip auth-profile <name>

set network virtual-router <name> protocol rip auth-profile <name> password <value>

set network virtual-router <name> protocol rip auth-profile <name> md5

set network virtual-router <name> protocol rip auth-profile <name> md5 <name>

```

```

set network virtual-router <name> protocol rip auth-profile <name> md5 <name> key <value>
set network virtual-router <name> protocol rip auth-profile <name> md5 <name> preferred <yes|no>
set network virtual-router <name> protocol rip global-bfd
set network virtual-router <name> protocol rip global-bfd profile <value>|<None>
set network virtual-router <name> protocol rip interface
set network virtual-router <name> protocol rip interface <name>
set network virtual-router <name> protocol rip interface <name> enable <yes|no>
set network virtual-router <name> protocol rip interface <name> default-route
set network virtual-router <name> protocol rip interface <name> default-route disable
set network virtual-router <name> protocol rip interface <name> default-route advertise
set network virtual-router <name> protocol rip interface <name> default-route advertise metric <1-15>
set network virtual-router <name> protocol rip interface <name> authentication <value>
set network virtual-router <name> protocol rip interface <name> mode <normal|passive|send-only>
set network virtual-router <name> protocol rip interface <name> bfd
set network virtual-router <name> protocol rip interface <name> bfd profile <value>|<None|Inherit-vr-global-setting>
set network virtual-router <name> protocol rip export-rules
set network virtual-router <name> protocol rip export-rules <name>
set network virtual-router <name> protocol rip export-rules <name> metric <1-16>
set network virtual-router <name> protocol ospf
set network virtual-router <name> protocol ospf router-id <ip/netmask>
set network virtual-router <name> protocol ospf enable <yes|no>
set network virtual-router <name> protocol ospf reject-default-route <yes|no>
set network virtual-router <name> protocol ospf allow-redist-default-route <yes|no>
set network virtual-router <name> protocol ospf rfc1583 <yes|no>
set network virtual-router <name> protocol ospf timers
set network virtual-router <name> protocol ospf timers spf-calculation-delay <float>
set network virtual-router <name> protocol ospf timers lsa-interval <float>
set network virtual-router <name> protocol ospf auth-profile
set network virtual-router <name> protocol ospf auth-profile <name>
set network virtual-router <name> protocol ospf auth-profile <name>
set network virtual-router <name> protocol ospf auth-profile <name> password <value>

```

```
set network virtual-router <name> protocol ospf auth-profile <name> md5
set network virtual-router <name> protocol ospf auth-profile <name> md5 <name>
set network virtual-router <name> protocol ospf auth-profile <name> md5 <name> key <value>
set network virtual-router <name> protocol ospf auth-profile <name> md5 <name> preferred
<yes|no>
set network virtual-router <name> protocol ospf global-bfd
set network virtual-router <name> protocol ospf global-bfd profile <value>|<None>
set network virtual-router <name> protocol ospf area
set network virtual-router <name> protocol ospf area <name>
set network virtual-router <name> protocol ospf area <name> type
set network virtual-router <name> protocol ospf area <name> type normal
set network virtual-router <name> protocol ospf area <name> type stub
set network virtual-router <name> protocol ospf area <name> type stub accept-summary <yes|
no>
set network virtual-router <name> protocol ospf area <name> type stub default-route
set network virtual-router <name> protocol ospf area <name> type stub default-route disable
set network virtual-router <name> protocol ospf area <name> type stub default-route advertise
set network virtual-router <name> protocol ospf area <name> type stub default-route advertise
metric <1-255>
set network virtual-router <name> protocol ospf area <name> type nssa
set network virtual-router <name> protocol ospf area <name> type nssa accept-summary <yes|
no>
set network virtual-router <name> protocol ospf area <name> type nssa default-route
set network virtual-router <name> protocol ospf area <name> type nssa default-route disable
set network virtual-router <name> protocol ospf area <name> type nssa default-route advertise
set network virtual-router <name> protocol ospf area <name> type nssa default-route advertise
metric <1-255>
set network virtual-router <name> protocol ospf area <name> type nssa default-route advertise
type <ext-1|ext-2>
set network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range
set network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range <name>
set network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range <name>
set network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range <name>
advertise
set network virtual-router <name> protocol ospf area <name> type nssa nssa-ext-range <name>
suppress
```



```

set network virtual-router <name> protocol ospf area <name> range
set network virtual-router <name> protocol ospf area <name> range <name>
set network virtual-router <name> protocol ospf area <name> range <name>
set network virtual-router <name> protocol ospf area <name> range <name> advertise
set network virtual-router <name> protocol ospf area <name> range <name> suppress
set network virtual-router <name> protocol ospf area <name> interface
set network virtual-router <name> protocol ospf area <name> interface <name>
set network virtual-router <name> protocol ospf area <name> interface <name> enable <yes|no>
set network virtual-router <name> protocol ospf area <name> interface <name> passive <yes|no>
set network virtual-router <name> protocol ospf area <name> interface <name> link-type
set network virtual-router <name> protocol ospf area <name> interface <name> link-type
broadcast
set network virtual-router <name> protocol ospf area <name> interface <name> link-type p2p
set network virtual-router <name> protocol ospf area <name> interface <name> link-type p2mp
set network virtual-router <name> protocol ospf area <name> interface <name> metric
<1-65535>
set network virtual-router <name> protocol ospf area <name> interface <name> priority <0-255>
set network virtual-router <name> protocol ospf area <name> interface <name> hello-interval
<0-3600>
set network virtual-router <name> protocol ospf area <name> interface <name> dead-counts
<3-20>
set network virtual-router <name> protocol ospf area <name> interface <name> retransmit-
interval <1-3600>
set network virtual-router <name> protocol ospf area <name> interface <name> transit-delay
<1-3600>
set network virtual-router <name> protocol ospf area <name> interface <name> authentication
<value>
set network virtual-router <name> protocol ospf area <name> interface <name> gr-delay <1-10>
set network virtual-router <name> protocol ospf area <name> interface <name> neighbor
set network virtual-router <name> protocol ospf area <name> interface <name> neighbor
<name>
set network virtual-router <name> protocol ospf area <name> interface <name> bfd
set network virtual-router <name> protocol ospf area <name> interface <name> bfd profile
<value>|<None|Inherit-vr-global-setting>
set network virtual-router <name> protocol ospf area <name> virtual-link
set network virtual-router <name> protocol ospf area <name> virtual-link <name>

```

```

set network virtual-router <name> protocol ospf area <name> virtual-link <name> neighbor-id
<ip/netmask>

set network virtual-router <name> protocol ospf area <name> virtual-link <name> transit-area-id
<value>

set network virtual-router <name> protocol ospf area <name> virtual-link <name> enable <yes|
no>

set network virtual-router <name> protocol ospf area <name> virtual-link <name> hello-interval
<0-3600>

set network virtual-router <name> protocol ospf area <name> virtual-link <name> dead-counts
<3-20>

set network virtual-router <name> protocol ospf area <name> virtual-link <name> retransmit-
interval <1-3600>

set network virtual-router <name> protocol ospf area <name> virtual-link <name> transit-delay
<1-3600>

set network virtual-router <name> protocol ospf area <name> virtual-link <name> authentication
<value>

set network virtual-router <name> protocol ospf area <name> virtual-link <name> bfd

set network virtual-router <name> protocol ospf area <name> virtual-link <name> bfd profile
<value>|<None|Inherit-vr-global-setting>

set network virtual-router <name> protocol ospf export-rules

set network virtual-router <name> protocol ospf export-rules <name>

set network virtual-router <name> protocol ospf export-rules <name> new-path-type <ext-1|
ext-2>

set network virtual-router <name> protocol ospf export-rules <name> new-tag <1-4294967295>|
<ip/netmask>

set network virtual-router <name> protocol ospf export-rules <name> metric <1-65535>

set network virtual-router <name> protocol ospf graceful-restart

set network virtual-router <name> protocol ospf graceful-restart enable <yes|no>

set network virtual-router <name> protocol ospf graceful-restart grace-period <5-1800>

set network virtual-router <name> protocol ospf graceful-restart helper-enable <yes|no>

set network virtual-router <name> protocol ospf graceful-restart strict-LSA-checking <yes|no>

set network virtual-router <name> protocol ospf graceful-restart max-neighbor-restart-time
<5-1800>

set network virtual-router <name> protocol ospfv3

set network virtual-router <name> protocol ospfv3 router-id <ip/netmask>

set network virtual-router <name> protocol ospfv3 enable <yes|no>

set network virtual-router <name> protocol ospfv3 reject-default-route <yes|no>

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```

set network virtual-router <name> protocol ospfv3 allow-redirect-default-route <yes|no>
set network virtual-router <name> protocol ospfv3 disable-transit-traffic <yes|no>
set network virtual-router <name> protocol ospfv3 timers
set network virtual-router <name> protocol ospfv3 timers spf-calculation-delay <float>
set network virtual-router <name> protocol ospfv3 timers lsa-interval <float>
set network virtual-router <name> protocol ospfv3 auth-profile
set network virtual-router <name> protocol ospfv3 auth-profile <name>
set network virtual-router <name> protocol ospfv3 auth-profile <name> spi <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name>
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication md5
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication md5
key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication sha1
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication sha1
key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication
sha256
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication
sha256 key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication
sha384
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication
sha384 key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication
sha512
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication
sha512 key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp authentication none
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp encryption
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp encryption algorithm
<3des|aes-128-cbc|aes-192-cbc|aes-256-cbc|null>
set network virtual-router <name> protocol ospfv3 auth-profile <name> esp encryption key
<value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah

```

```

set network virtual-router <name> protocol ospfv3 auth-profile <name> ah
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah md5
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah md5 key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha1
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha1 key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha256
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha256 key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha384
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha384 key <value>
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha512
set network virtual-router <name> protocol ospfv3 auth-profile <name> ah sha512 key <value>
set network virtual-router <name> protocol ospfv3 global-bfd
set network virtual-router <name> protocol ospfv3 global-bfd profile <value>|<None>
set network virtual-router <name> protocol ospfv3 area
set network virtual-router <name> protocol ospfv3 area <name>
set network virtual-router <name> protocol ospfv3 area <name> authentication <value>
set network virtual-router <name> protocol ospfv3 area <name> type
set network virtual-router <name> protocol ospfv3 area <name> type normal
set network virtual-router <name> protocol ospfv3 area <name> type stub
set network virtual-router <name> protocol ospfv3 area <name> type stub accept-summary <yes|
no>
set network virtual-router <name> protocol ospfv3 area <name> type stub default-route
set network virtual-router <name> protocol ospfv3 area <name> type stub default-route disable
set network virtual-router <name> protocol ospfv3 area <name> type stub default-route
advertise
set network virtual-router <name> protocol ospfv3 area <name> type stub default-route
advertise metric <1-16777215>
set network virtual-router <name> protocol ospfv3 area <name> type nssa
set network virtual-router <name> protocol ospfv3 area <name> type nssa accept-summary <yes|
no>
set network virtual-router <name> protocol ospfv3 area <name> type nssa default-route
set network virtual-router <name> protocol ospfv3 area <name> type nssa default-route disable
set network virtual-router <name> protocol ospfv3 area <name> type nssa default-route
advertise

```

```

set network virtual-router <name> protocol ospfv3 area <name> type nssa default-route
advertise metric <1-16777215>

set network virtual-router <name> protocol ospfv3 area <name> type nssa default-route
advertise type <ext-1|ext-2>

set network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
set network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
<name>

set network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
<name>

set network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
<name> advertise

set network virtual-router <name> protocol ospfv3 area <name> type nssa nssa-ext-range
<name> suppress

set network virtual-router <name> protocol ospfv3 area <name> range

set network virtual-router <name> protocol ospfv3 area <name> range <name>

set network virtual-router <name> protocol ospfv3 area <name> range <name>

set network virtual-router <name> protocol ospfv3 area <name> range <name> advertise

set network virtual-router <name> protocol ospfv3 area <name> range <name> suppress

set network virtual-router <name> protocol ospfv3 area <name> interface

set network virtual-router <name> protocol ospfv3 area <name> interface <name>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> enable <yes|
no>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> instance-id
<0-255>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> passive <yes|
no>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> link-type

set network virtual-router <name> protocol ospfv3 area <name> interface <name> link-type
broadcast

set network virtual-router <name> protocol ospfv3 area <name> interface <name> link-type p2p

set network virtual-router <name> protocol ospfv3 area <name> interface <name> link-type
p2mp

set network virtual-router <name> protocol ospfv3 area <name> interface <name> metric
<1-65535>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> priority
<0-255>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> hello-interval
<1-3600>

```

```

set network virtual-router <name> protocol ospfv3 area <name> interface <name> dead-counts
<3-20>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> retransmit-
interval <1-1800>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> transit-delay
<1-1800>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> authentication
<value>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> gr-delay
<1-10>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> neighbor
set network virtual-router <name> protocol ospfv3 area <name> interface <name> neighbor
<name>

set network virtual-router <name> protocol ospfv3 area <name> interface <name> bfd
set network virtual-router <name> protocol ospfv3 area <name> interface <name> bfd profile
<value>|<None|Inherit-vr-global-setting>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link
set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name>
set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> neighbor-id
<ip/netmask>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> transit-area-
id <value>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> enable <yes|
no>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> instance-id
<0-255>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> hello-
interval <1-3600>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> dead-counts
<3-20>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> retransmit-
interval <1-1800>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> transit-delay
<1-1800>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name>
authentication <value>

set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> bfd
set network virtual-router <name> protocol ospfv3 area <name> virtual-link <name> bfd profile
<value>|<None|Inherit-vr-global-setting>

```

```
set network virtual-router <name> protocol ospfv3 export-rules
set network virtual-router <name> protocol ospfv3 export-rules <name>
set network virtual-router <name> protocol ospfv3 export-rules <name> new-path-type <ext-1|
ext-2>
set network virtual-router <name> protocol ospfv3 export-rules <name> new-tag
<1-4294967295>|<ip/netmask>
set network virtual-router <name> protocol ospfv3 export-rules <name> metric <1-16777215>
set network virtual-router <name> protocol ospfv3 graceful-restart
set network virtual-router <name> protocol ospfv3 graceful-restart enable <yes|no>
set network virtual-router <name> protocol ospfv3 graceful-restart grace-period <5-1800>
set network virtual-router <name> protocol ospfv3 graceful-restart helper-enable <yes|no>
set network virtual-router <name> protocol ospfv3 graceful-restart strict-LSA-checking <yes|no>
set network virtual-router <name> protocol ospfv3 graceful-restart max-neighbor-restart-time
<5-1800>
set network virtual-router <name> protocol bgp
set network virtual-router <name> protocol bgp enable <yes|no>
set network virtual-router <name> protocol bgp router-id <ip/netmask>
set network virtual-router <name> protocol bgp local-as <1-4294967295>|<value>
set network virtual-router <name> protocol bgp reject-default-route <yes|no>
set network virtual-router <name> protocol bgp allow-redist-default-route <yes|no>
set network virtual-router <name> protocol bgp install-route <yes|no>
set network virtual-router <name> protocol bgp ecmp-multi-as <yes|no>
set network virtual-router <name> protocol bgp enforce-first-as <yes|no>
set network virtual-router <name> protocol bgp routing-options
set network virtual-router <name> protocol bgp routing-options as-format <2-byte|4-byte>
set network virtual-router <name> protocol bgp routing-options med
set network virtual-router <name> protocol bgp routing-options med always-compare-med <yes|
no>
set network virtual-router <name> protocol bgp routing-options med deterministic-med-
comparison <yes|no>
set network virtual-router <name> protocol bgp routing-options default-local-preference
<0-4294967295>
set network virtual-router <name> protocol bgp routing-options graceful-restart
set network virtual-router <name> protocol bgp routing-options graceful-restart enable <yes|no>
set network virtual-router <name> protocol bgp routing-options graceful-restart stale-route-time
<1-3600>
```

```

set network virtual-router <name> protocol bgp routing-options graceful-restart local-restart-time
<1-3600>

set network virtual-router <name> protocol bgp routing-options graceful-restart max-peer-
restart-time <1-3600>

set network virtual-router <name> protocol bgp routing-options reflector-cluster-id <ip/netmask>

set network virtual-router <name> protocol bgp routing-options confederation-member-as
<1-4294967295>|<value>

set network virtual-router <name> protocol bgp routing-options aggregate

set network virtual-router <name> protocol bgp routing-options aggregate aggregate-med <yes|
no>

set network virtual-router <name> protocol bgp auth-profile

set network virtual-router <name> protocol bgp auth-profile <name>

set network virtual-router <name> protocol bgp auth-profile <name> secret <value>

set network virtual-router <name> protocol bgp dampening-profile

set network virtual-router <name> protocol bgp dampening-profile <name>

set network virtual-router <name> protocol bgp dampening-profile <name> enable <yes|no>

set network virtual-router <name> protocol bgp dampening-profile <name> cutoff <float>

set network virtual-router <name> protocol bgp dampening-profile <name> reuse <float>

set network virtual-router <name> protocol bgp dampening-profile <name> max-hold-time
<1-3600>

set network virtual-router <name> protocol bgp dampening-profile <name> decay-half-life-
reachable <1-3600>

set network virtual-router <name> protocol bgp dampening-profile <name> decay-half-life-
unreachable <1-3600>

set network virtual-router <name> protocol bgp global-bfd

set network virtual-router <name> protocol bgp global-bfd profile <value>|<None>

set network virtual-router <name> protocol bgp peer-group

set network virtual-router <name> protocol bgp peer-group <name>

set network virtual-router <name> protocol bgp peer-group <name> enable <yes|no>

set network virtual-router <name> protocol bgp peer-group <name> aggregated-confed-as-path
<yes|no>

set network virtual-router <name> protocol bgp peer-group <name> soft-reset-with-stored-info
<yes|no>

set network virtual-router <name> protocol bgp peer-group <name> type

set network virtual-router <name> protocol bgp peer-group <name> type ibgp

set network virtual-router <name> protocol bgp peer-group <name> type ibgp export-nexthop
<original|use-self>

```



```

set network virtual-router <name> protocol bgp peer-group <name> type ebgp-confed
set network virtual-router <name> protocol bgp peer-group <name> type ebgp-confed export-
nexthop <original|use-self>
set network virtual-router <name> protocol bgp peer-group <name> type ibgp-confed
set network virtual-router <name> protocol bgp peer-group <name> type ibgp-confed export-
nexthop <original|use-self>
set network virtual-router <name> protocol bgp peer-group <name> type ebgp
set network virtual-router <name> protocol bgp peer-group <name> type ebgp import-nexthop
<original|use-peer>
set network virtual-router <name> protocol bgp peer-group <name> type ebgp export-nexthop
<resolve|use-self>
set network virtual-router <name> protocol bgp peer-group <name> type ebgp remove-private-as
<yes|no>
set network virtual-router <name> protocol bgp peer-group <name> peer
set network virtual-router <name> protocol bgp peer-group <name> peer <name>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> enable <yes|
no>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> peer-as
<1-4294967295>|<value>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> enable-mp-bgp
<yes|no>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> address-
family-identifier <ipv4|ipv6>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> subsequent-
address-family-identifier
set network virtual-router <name> protocol bgp peer-group <name> peer <name> subsequent-
address-family-identifier unicast <yes|no>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> subsequent-
address-family-identifier multicast <yes|no>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> local-address
set network virtual-router <name> protocol bgp peer-group <name> peer <name> local-address
interface <value>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> local-address
ip <value>
set network virtual-router <name> protocol bgp peer-group <name> peer <name> peer-address
set network virtual-router <name> protocol bgp peer-group <name> peer <name> peer-address
set network virtual-router <name> protocol bgp peer-group <name> peer <name> peer-address
ip <value>|<ip/netmask>|<validate>

```

```

set network virtual-router <name> protocol bgp peer-group <name> peer <name> peer-address
fqdn <value>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options authentication <value>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options keep-alive-interval <1-1200>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options min-route-adv-interval <1-600>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options multihop <0-255>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options open-delay-time <0-240>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options hold-time <3-3600>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options idle-hold-time <1-3600>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options incoming-bgp-connection

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options incoming-bgp-connection remote-port <0-65535>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options incoming-bgp-connection allow <yes|no>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options outgoing-bgp-connection

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options outgoing-bgp-connection local-port <0-65535>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> connection-
options outgoing-bgp-connection allow <yes|no>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> enable-sender-
side-loop-detection <yes|no>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> reflector-client
<non-client|client|meshed-client>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> peering-type
<bilateral|unspecified>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> max-prefixes
<1-100000>|<unlimited>

set network virtual-router <name> protocol bgp peer-group <name> peer <name> bfd

```

```

set network virtual-router <name> protocol bgp peer-group <name> peer <name> bfd profile
<value>|<None|Inherit-vr-global-setting>
set network virtual-router <name> protocol bgp policy
set network virtual-router <name> protocol bgp policy import
set network virtual-router <name> protocol bgp policy import rules
set network virtual-router <name> protocol bgp policy import rules <name>
set network virtual-router <name> protocol bgp policy import rules <name> enable <yes|no>
set network virtual-router <name> protocol bgp policy import rules <name> used-by [ <used-
by1> <used-by2>... ]
set network virtual-router <name> protocol bgp policy import rules <name> match
set network virtual-router <name> protocol bgp policy import rules <name> match route-table
<unicast|multicast|both>
set network virtual-router <name> protocol bgp policy import rules <name> match address-prefix
set network virtual-router <name> protocol bgp policy import rules <name> match address-prefix
<name>
set network virtual-router <name> protocol bgp policy import rules <name> match address-prefix
<name> exact <yes|no>
set network virtual-router <name> protocol bgp policy import rules <name> match nexthop
[ <nexthop1> <nexthop2>... ]
set network virtual-router <name> protocol bgp policy import rules <name> match from-peer
[ <from-peer1> <from-peer2>... ]
set network virtual-router <name> protocol bgp policy import rules <name> match med
<0-4294967295>
set network virtual-router <name> protocol bgp policy import rules <name> match as-path
set network virtual-router <name> protocol bgp policy import rules <name> match as-path
set network virtual-router <name> protocol bgp policy import rules <name> match as-path regex
<value>
set network virtual-router <name> protocol bgp policy import rules <name> match community
set network virtual-router <name> protocol bgp policy import rules <name> match community
set network virtual-router <name> protocol bgp policy import rules <name> match community
regex <value>
set network virtual-router <name> protocol bgp policy import rules <name> match extended-
community
set network virtual-router <name> protocol bgp policy import rules <name> match extended-
community
set network virtual-router <name> protocol bgp policy import rules <name> match extended-
community regex <value>
set network virtual-router <name> protocol bgp policy import rules <name> action

```

```

set network virtual-router <name> protocol bgp policy import rules <name> action
set network virtual-router <name> protocol bgp policy import rules <name> action deny
set network virtual-router <name> protocol bgp policy import rules <name> action allow
set network virtual-router <name> protocol bgp policy import rules <name> action allow
dampening <value>
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
local-preference <0-4294967295>
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
med <0-4294967295>
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
weight <0-65535>
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
nexthop <ip/netmask>
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
origin <igp|egp|incomplete>
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
as-path-limit <1-255>
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
as-path
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
as-path
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
as-path none
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
as-path remove
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
community
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
community
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
community none
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
community remove-all
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
community remove-regex <value>
set network virtual-router <name> protocol bgp policy import rules <name> action allow update
community append [ <append1> <append2>... ]

```

```

set network virtual-router <name> protocol bgp policy import rules <name> action allow update
community overwrite [ <overwrite1> <overwrite2>... ]

set network virtual-router <name> protocol bgp policy import rules <name> action allow update
extended-community

set network virtual-router <name> protocol bgp policy import rules <name> action allow update
extended-community

set network virtual-router <name> protocol bgp policy import rules <name> action allow update
extended-community none

set network virtual-router <name> protocol bgp policy import rules <name> action allow update
extended-community remove-all

set network virtual-router <name> protocol bgp policy import rules <name> action allow update
extended-community remove-regex <value>

set network virtual-router <name> protocol bgp policy import rules <name> action allow update
extended-community append [ <append1> <append2>... ]

set network virtual-router <name> protocol bgp policy import rules <name> action allow update
extended-community overwrite [ <overwrite1> <overwrite2>... ]

set network virtual-router <name> protocol bgp policy export

set network virtual-router <name> protocol bgp policy export rules

set network virtual-router <name> protocol bgp policy export rules <name>

set network virtual-router <name> protocol bgp policy export rules <name> enable <yes|no>

set network virtual-router <name> protocol bgp policy export rules <name> used-by [ <used-
by1> <used-by2>... ]

set network virtual-router <name> protocol bgp policy export rules <name> match

set network virtual-router <name> protocol bgp policy export rules <name> match route-table
<unicast|multicast|both>

set network virtual-router <name> protocol bgp policy export rules <name> match address-prefix

set network virtual-router <name> protocol bgp policy export rules <name> match address-prefix
<name>

set network virtual-router <name> protocol bgp policy export rules <name> match address-prefix
<name> exact <yes|no>

set network virtual-router <name> protocol bgp policy export rules <name> match nexthop
[ <nexthop1> <nexthop2>... ]

set network virtual-router <name> protocol bgp policy export rules <name> match from-peer
[ <from-peer1> <from-peer2>... ]

set network virtual-router <name> protocol bgp policy export rules <name> match med
<0-4294967295>

set network virtual-router <name> protocol bgp policy export rules <name> match as-path

set network virtual-router <name> protocol bgp policy export rules <name> match as-path

```

```

set network virtual-router <name> protocol bgp policy export rules <name> match as-path regex
<value>
set network virtual-router <name> protocol bgp policy export rules <name> match community
set network virtual-router <name> protocol bgp policy export rules <name> match community
set network virtual-router <name> protocol bgp policy export rules <name> match community
regex <value>
set network virtual-router <name> protocol bgp policy export rules <name> match extended-
community
set network virtual-router <name> protocol bgp policy export rules <name> match extended-
community
set network virtual-router <name> protocol bgp policy export rules <name> match extended-
community regex <value>
set network virtual-router <name> protocol bgp policy export rules <name> action
set network virtual-router <name> protocol bgp policy export rules <name> action
set network virtual-router <name> protocol bgp policy export rules <name> action deny
set network virtual-router <name> protocol bgp policy export rules <name> action allow
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
local-preference <0-4294967295>
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
med <0-4294967295>
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
nexthop <ip/netmask>
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
origin <igp|egp|incomplete>
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
as-path-limit <1-255>
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
as-path
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
as-path
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
as-path none
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
as-path remove
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
as-path prepend <1-255>
set network virtual-router <name> protocol bgp policy export rules <name> action allow update
as-path remove-and-prepend <1-255>

```

```

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
community

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
community

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
community none

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
community remove-all

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
community remove-regex <value>

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
community append [ <append1> <append2>... ]

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
community overwrite [ <overwrite1> <overwrite2>... ]

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
extended-community

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
extended-community

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
extended-community none

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
extended-community remove-all

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
extended-community remove-regex <value>

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
extended-community append [ <append1> <append2>... ]

set network virtual-router <name> protocol bgp policy export rules <name> action allow update
extended-community overwrite [ <overwrite1> <overwrite2>... ]

set network virtual-router <name> protocol bgp policy conditional-advertisement

set network virtual-router <name> protocol bgp policy conditional-advertisement policy

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
enable <yes|no>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
used-by [ <used-by1> <used-by2>... ]

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name>

```

```

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> enable <yes|no>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match route-table <unicast|multicast|both>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match address-prefix

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match address-prefix <name>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match nexthop [ <nexthop1> <nexthop2>... ]

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match from-peer [ <from-peer1> <from-peer2>... ]

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match med <0-4294967295>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match as-path

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match as-path

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match as-path regex <value>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match community

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match community

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match community regex <value>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match extended-community

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match extended-community

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
non-exist-filters <name> match extended-community regex <value>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> enable <yes|no>

```



```

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match route-table <unicast|multicast|both>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match address-prefix

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match address-prefix <name>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match nexthop [ <nexthop1> <nexthop2>... ]

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match from-peer [ <from-peer1> <from-peer2>... ]

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match med <0-4294967295>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match as-path

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match as-path

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match as-path regex <value>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match community

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match community

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match community regex <value>

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match extended-community

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match extended-community

set network virtual-router <name> protocol bgp policy conditional-advertisement policy <name>
advertise-filters <name> match extended-community regex <value>

set network virtual-router <name> protocol bgp policy aggregation

set network virtual-router <name> protocol bgp policy aggregation address

set network virtual-router <name> protocol bgp policy aggregation address <name>

set network virtual-router <name> protocol bgp policy aggregation address <name> prefix <ip/
netmask>

set network virtual-router <name> protocol bgp policy aggregation address <name> enable <yes|
no>

```

set network virtual-router <name> protocol bgp policy aggregation address <name> summary <yes|no>

set network virtual-router <name> protocol bgp policy aggregation address <name> as-set <yes|no>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes local-preference <0-4294967295>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes med <0-4294967295>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes weight <0-65535>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes nexthop <ip/netmask>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes origin <igp|egp|incomplete>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes as-path-limit <1-255>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes as-path

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes as-path

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes as-path none

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes as-path prepend <1-255>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes community

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes community

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes community none

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes community remove-all

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes community remove-regex <value>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes community append [<append1> <append2>...]

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-route-attributes community overwrite [<overwrite1> <overwrite2>...]

```

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community none

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community remove-all

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community remove-regex <value>

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community append [ <append1> <append2>... ]

set network virtual-router <name> protocol bgp policy aggregation address <name> aggregate-
route-attributes extended-community overwrite [ <overwrite1> <overwrite2>... ]

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name>

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> enable <yes|no>

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match route-table <unicast|multicast|both>

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match address-prefix

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match address-prefix <name>

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match address-prefix <name> exact <yes|no>

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match nexthop [ <nexthop1> <nexthop2>... ]

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match from-peer [ <from-peer1> <from-peer2>... ]

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match med <0-4294967295>

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match as-path

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-
filters <name> match as-path

```

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match as-path regex <value>

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match community

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match community

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match community regex <value>

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match extended-community

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match extended-community

set network virtual-router <name> protocol bgp policy aggregation address <name> suppress-filters <name> match extended-community regex <value>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> enable <yes|no>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match route-table <unicast|multicast|both>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match address-prefix

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match address-prefix <name>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match address-prefix <name> exact <yes|no>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match nexthop [<nexthop1> <nexthop2>...]

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match from-peer [<from-peer1> <from-peer2>...]

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match med <0-4294967295>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match as-path

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-filters <name> match as-path

```
set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-
filters <name> match as-path regex <value>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-
filters <name> match community

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-
filters <name> match community

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-
filters <name> match community regex <value>

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-
filters <name> match extended-community

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-
filters <name> match extended-community

set network virtual-router <name> protocol bgp policy aggregation address <name> advertise-
filters <name> match extended-community regex <value>

set network virtual-router <name> protocol bgp redistrib-rules

set network virtual-router <name> protocol bgp redistrib-rules <name>

set network virtual-router <name> protocol bgp redistrib-rules <name> address-family-identifier
<ipv4|ipv6>

set network virtual-router <name> protocol bgp redistrib-rules <name> route-table <unicast|
multicast|both>

set network virtual-router <name> protocol bgp redistrib-rules <name> enable <yes|no>

set network virtual-router <name> protocol bgp redistrib-rules <name> set-origin <igp|egp|
incomplete>

set network virtual-router <name> protocol bgp redistrib-rules <name> set-med <0-4294967295>

set network virtual-router <name> protocol bgp redistrib-rules <name> set-local-preference
<0-4294967295>

set network virtual-router <name> protocol bgp redistrib-rules <name> set-as-path-limit <1-255>

set network virtual-router <name> protocol bgp redistrib-rules <name> set-community [ <set-
community1> <set-community2>... ]

set network virtual-router <name> protocol bgp redistrib-rules <name> set-extended-community
[ <set-extended-community1> <set-extended-community2>... ]

set network virtual-router <name> protocol bgp redistrib-rules <name> metric <1-65535>

set network virtual-router <name> admin-dists

set network virtual-router <name> admin-dists static <10-240>

set network virtual-router <name> admin-dists static-ipv6 <10-240>

set network virtual-router <name> admin-dists ospf-int <10-240>

set network virtual-router <name> admin-dists ospf-ext <10-240>

set network virtual-router <name> admin-dists ospfv3-int <10-240>
```

```
set network virtual-router <name> admin-dists ospfv3-ext <10-240>
set network virtual-router <name> admin-dists ibgp <10-240>
set network virtual-router <name> admin-dists ebgp <10-240>
set network virtual-router <name> admin-dists rip <10-240>
set network virtual-router <name> ecmp
set network virtual-router <name> ecmp enable <yes|no>
set network virtual-router <name> ecmp algorithm
set network virtual-router <name> ecmp algorithm
set network virtual-router <name> ecmp algorithm ip-modulo
set network virtual-router <name> ecmp algorithm ip-hash
set network virtual-router <name> ecmp algorithm ip-hash src-only <yes|no>
set network virtual-router <name> ecmp algorithm ip-hash use-port <yes|no>
set network virtual-router <name> ecmp algorithm ip-hash hash-seed <0-4294967295>
set network virtual-router <name> ecmp algorithm weighted-round-robin
set network virtual-router <name> ecmp algorithm weighted-round-robin interface
set network virtual-router <name> ecmp algorithm weighted-round-robin interface <name>
set network virtual-router <name> ecmp algorithm weighted-round-robin interface <name>
weight <1-255>
set network virtual-router <name> ecmp algorithm balanced-round-robin
set network virtual-router <name> ecmp max-path <2-4>
set network virtual-router <name> ecmp symmetric-return <yes|no>
set network virtual-router <name> ecmp strict-source-path <yes|no>
set network logical-router
set network logical-router <name>
set network logical-router <name> vrf
set network logical-router <name> vrf <name>
set network logical-router <name> vrf <name> interface [ <interface1> <interface2>... ]
set network logical-router <name> vrf <name> bgp
set network logical-router <name> vrf <name> bgp enable <yes|no>
set network logical-router <name> vrf <name> bgp router-id <ip/netmask>
set network logical-router <name> vrf <name> bgp enforce-first-as <yes|no>
set network logical-router <name> vrf <name> bgp fast-external-failover <yes|no>
set network logical-router <name> vrf <name> bgp ecmp-multi-as <yes|no>
set network logical-router <name> vrf <name> bgp local-as <1-4294967295>
```

```

set network logical-router <name> vrf <name> bgp med
set network logical-router <name> vrf <name> bgp med always-compare-med <yes|no>
set network logical-router <name> vrf <name> bgp med deterministic-med-comparison <yes|no>
set network logical-router <name> vrf <name> bgp default-local-preference <0-4294967295>
set network logical-router <name> vrf <name> bgp graceful-restart
set network logical-router <name> vrf <name> bgp graceful-restart enable <yes|no>
set network logical-router <name> vrf <name> bgp graceful-restart stale-route-time <1-3600>
set network logical-router <name> vrf <name> bgp graceful-restart max-peer-restart-time
<1-3600>
set network logical-router <name> vrf <name> bgp peer-group
set network logical-router <name> vrf <name> bgp peer-group <name>
set network logical-router <name> vrf <name> bgp peer-group <name> enable <yes|no>
set network logical-router <name> vrf <name> bgp peer-group <name> type
set network logical-router <name> vrf <name> bgp peer-group <name> type ibgp
set network logical-router <name> vrf <name> bgp peer-group <name> type ebgp
set network logical-router <name> vrf <name> bgp peer-group <name> address-family
set network logical-router <name> vrf <name> bgp peer-group <name> address-family ipv4
set network logical-router <name> vrf <name> bgp peer-group <name> address-family ipv4
unicast <value>
set network logical-router <name> vrf <name> bgp peer-group <name> address-family ipv6
set network logical-router <name> vrf <name> bgp peer-group <name> address-family ipv6
unicast <value>
set network logical-router <name> vrf <name> bgp peer-group <name> connection-options
set network logical-router <name> vrf <name> bgp peer-group <name> connection-options
timers <value>
set network logical-router <name> vrf <name> bgp peer-group <name> connection-options
multihop <0-255>
set network logical-router <name> vrf <name> bgp peer-group <name> connection-options
authentication <value>
set network logical-router <name> vrf <name> bgp peer-group <name> peer
set network logical-router <name> vrf <name> bgp peer-group <name> peer <name>
set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> enable
<yes|no>
set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> peer-as
<1-4294967295>

```

```

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> enable-
sender-side-loop-detection <yes|no>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-
family

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-
family inherit <yes|no>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-
family ipv4

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-
family ipv4 unicast <value>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-
family ipv6

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> address-
family ipv6 unicast <value>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> local-
address

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> local-
address interface <value>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> local-
address ip <value>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> peer-
address

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> peer-
address

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> peer-
address ip <value>|<ip/netmask>|<validate>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> connection-
options

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> connection-
options timers <value>|<inherit>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> connection-
options multihop <0-255>|<inherit>

set network logical-router <name> vrf <name> bgp peer-group <name> peer <name> connection-
options authentication <value>|<inherit>

set network logical-router <name> vrf <name> bgp redistribution-rule

set network logical-router <name> vrf <name> bgp redistribution-rule ipv4

set network logical-router <name> vrf <name> bgp redistribution-rule ipv4 unicast <value>

set network logical-router <name> vrf <name> bgp redistribution-rule ipv6

set network logical-router <name> vrf <name> bgp redistribution-rule ipv6 unicast <value>

```



```

set network logical-router <name> vrf <name> bgp address-family-identifier
set network logical-router <name> vrf <name> bgp address-family-identifier ipv4
set network logical-router <name> vrf <name> bgp address-family-identifier ipv4 network
set network logical-router <name> vrf <name> bgp address-family-identifier ipv4 network
<name>
set network logical-router <name> vrf <name> bgp address-family-identifier ipv4 network
<name> unicast <yes|no>
set network logical-router <name> vrf <name> bgp address-family-identifier ipv6
set network logical-router <name> vrf <name> bgp address-family-identifier ipv6 network
set network logical-router <name> vrf <name> bgp address-family-identifier ipv6 network
<name>
set network logical-router <name> vrf <name> bgp address-family-identifier ipv6 network
<name> unicast <yes|no>
set network logical-router <name> vrf <name> routing-table
set network logical-router <name> vrf <name> routing-table ip
set network logical-router <name> vrf <name> routing-table ip static-route
set network logical-router <name> vrf <name> routing-table ip static-route <name>
set network logical-router <name> vrf <name> routing-table ip static-route <name> destination
<value>|<ip/netmask>
set network logical-router <name> vrf <name> routing-table ip static-route <name> interface
<value>
set network logical-router <name> vrf <name> routing-table ip static-route <name> nexthop
set network logical-router <name> vrf <name> routing-table ip static-route <name> nexthop
discard
set network logical-router <name> vrf <name> routing-table ip static-route <name> nexthop ip-
address <value>|<ip/netmask>
set network logical-router <name> vrf <name> routing-table ip static-route <name> admin-dist
<10-240>
set network logical-router <name> vrf <name> routing-table ip static-route <name> metric
<1-65535>
set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
enable <yes|no>
set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
failure-condition <any|all>
set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
hold-time <0-1440>

```

```

set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
monitor-destinations

set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
monitor-destinations <name>

set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
monitor-destinations <name> enable <yes|no>

set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
monitor-destinations <name> source <value>|<DHCP|PPPOE>

set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
monitor-destinations <name> destination <value>

set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
monitor-destinations <name> interval <1-60>

set network logical-router <name> vrf <name> routing-table ip static-route <name> path-monitor
monitor-destinations <name> count <3-10>

set network logical-router <name> vrf <name> routing-table ipv6

set network logical-router <name> vrf <name> routing-table ipv6 static-route

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> destination
<value>|<ip/netmask>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> interface
<value>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> nexthop

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> nexthop
discard

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> nexthop
ipv6-address <value>|<ip/netmask>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> admin-dist
<10-240>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> metric
<1-65535>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-
monitor

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-
monitor enable <yes|no>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-
monitor failure-condition <any|all>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-
monitor hold-time <0-1440>

```

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-monitor monitor-destinations

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-monitor monitor-destinations <name>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-monitor monitor-destinations <name> enable <yes|no>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-monitor monitor-destinations <name> source <value>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-monitor monitor-destinations <name> destination <value>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-monitor monitor-destinations <name> interval <1-60>

set network logical-router <name> vrf <name> routing-table ipv6 static-route <name> path-monitor monitor-destinations <name> count <3-10>

set network logical-router <name> vrf <name> ecmp

set network logical-router <name> vrf <name> ecmp enable <yes|no>

set network logical-router <name> vrf <name> ecmp algorithm

set network logical-router <name> vrf <name> ecmp algorithm

set network logical-router <name> vrf <name> ecmp algorithm ip-modulo

set network logical-router <name> vrf <name> ecmp algorithm ip-hash

set network logical-router <name> vrf <name> ecmp algorithm ip-hash src-only <yes|no>

set network logical-router <name> vrf <name> ecmp algorithm ip-hash use-port <yes|no>

set network logical-router <name> vrf <name> ecmp algorithm ip-hash hash-seed <0-4294967295>

set network logical-router <name> vrf <name> ecmp algorithm weighted-round-robin

set network logical-router <name> vrf <name> ecmp algorithm weighted-round-robin interface

set network logical-router <name> vrf <name> ecmp algorithm weighted-round-robin interface <name>

set network logical-router <name> vrf <name> ecmp algorithm weighted-round-robin interface <name> weight <1-255>

set network logical-router <name> vrf <name> ecmp algorithm balanced-round-robin

set network logical-router <name> vrf <name> ecmp max-path <2-4>

set network logical-router <name> vrf <name> ecmp symmetric-return <yes|no>

set network logical-router <name> vrf <name> ecmp strict-source-path <yes|no>

set network routing-profile

set network routing-profile bgp

set network routing-profile bgp auth-profile

```

set network routing-profile bgp auth-profile <name>
set network routing-profile bgp auth-profile <name> secret <value>
set network routing-profile bgp timer-profile
set network routing-profile bgp timer-profile <name>
set network routing-profile bgp timer-profile <name> keep-alive-interval <1-1200>
set network routing-profile bgp timer-profile <name> hold-time <3-3600>
set network routing-profile bgp timer-profile <name> min-route-adv-interval <1-600>
set network routing-profile bgp address-family-profile
set network routing-profile bgp address-family-profile <name>
set network routing-profile bgp address-family-profile <name>
set network routing-profile bgp address-family-profile <name> ipv4
set network routing-profile bgp address-family-profile <name> ipv4
set network routing-profile bgp address-family-profile <name> ipv4 unicast
set network routing-profile bgp address-family-profile <name> ipv4 unicast add-path
set network routing-profile bgp address-family-profile <name> ipv4 unicast add-path tx-all-paths
<yes|no>
set network routing-profile bgp address-family-profile <name> ipv4 unicast add-path tx-bestpath-
per-AS <yes|no>
set network routing-profile bgp address-family-profile <name> ipv4 unicast allowas-in
set network routing-profile bgp address-family-profile <name> ipv4 unicast allowas-in
set network routing-profile bgp address-family-profile <name> ipv4 unicast allowas-in origin
set network routing-profile bgp address-family-profile <name> ipv4 unicast allowas-in occurrence
<1-10>
set network routing-profile bgp address-family-profile <name> ipv4 unicast as-override <yes|no>
set network routing-profile bgp address-family-profile <name> ipv4 unicast default-originate
<yes|no>
set network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix
set network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix
num_prefixes <1-4294967295>
set network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix
threshold <1-100>
set network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix
action
set network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix
action

```

set network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix
action warning-only

set network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix
action restart

set network routing-profile bgp address-family-profile <name> ipv4 unicast maximum-prefix
action restart interval <1-65535>

set network routing-profile bgp address-family-profile <name> ipv4 unicast next-hop

set network routing-profile bgp address-family-profile <name> ipv4 unicast next-hop

set network routing-profile bgp address-family-profile <name> ipv4 unicast next-hop self

set network routing-profile bgp address-family-profile <name> ipv4 unicast next-hop self-force

set network routing-profile bgp address-family-profile <name> ipv4 unicast remove-private-AS

set network routing-profile bgp address-family-profile <name> ipv4 unicast remove-private-AS

set network routing-profile bgp address-family-profile <name> ipv4 unicast remove-private-AS all

set network routing-profile bgp address-family-profile <name> ipv4 unicast remove-private-AS
replace-AS

set network routing-profile bgp address-family-profile <name> ipv4 unicast route-reflector-client
<yes|no>

set network routing-profile bgp address-family-profile <name> ipv4 unicast send-community

set network routing-profile bgp address-family-profile <name> ipv4 unicast send-community

set network routing-profile bgp address-family-profile <name> ipv4 unicast send-community all

set network routing-profile bgp address-family-profile <name> ipv4 unicast send-community both

set network routing-profile bgp address-family-profile <name> ipv4 unicast send-community
extended

set network routing-profile bgp address-family-profile <name> ipv4 unicast send-community large

set network routing-profile bgp address-family-profile <name> ipv4 unicast send-community
standard

set network routing-profile bgp address-family-profile <name> ipv6

set network routing-profile bgp address-family-profile <name> ipv6

set network routing-profile bgp address-family-profile <name> ipv6 unicast

set network routing-profile bgp address-family-profile <name> ipv6 unicast add-path

set network routing-profile bgp address-family-profile <name> ipv6 unicast add-path tx-all-paths
<yes|no>

set network routing-profile bgp address-family-profile <name> ipv6 unicast add-path tx-bestpath-
per-AS <yes|no>

set network routing-profile bgp address-family-profile <name> ipv6 unicast allowas-in

set network routing-profile bgp address-family-profile <name> ipv6 unicast allowas-in

```

set network routing-profile bgp address-family-profile <name> ipv6 unicast allowas-in origin
set network routing-profile bgp address-family-profile <name> ipv6 unicast allowas-in occurrence
<1-10>
set network routing-profile bgp address-family-profile <name> ipv6 unicast as-override <yes|no>
set network routing-profile bgp address-family-profile <name> ipv6 unicast default-originate
<yes|no>
set network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix
set network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix
num_prefixes <1-4294967295>
set network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix
threshold <1-100>
set network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix
action
set network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix
action
set network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix
action warning-only
set network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix
action restart
set network routing-profile bgp address-family-profile <name> ipv6 unicast maximum-prefix
action restart interval <1-65535>
set network routing-profile bgp address-family-profile <name> ipv6 unicast next-hop
set network routing-profile bgp address-family-profile <name> ipv6 unicast next-hop
set network routing-profile bgp address-family-profile <name> ipv6 unicast next-hop self
set network routing-profile bgp address-family-profile <name> ipv6 unicast next-hop self-force
set network routing-profile bgp address-family-profile <name> ipv6 unicast remove-private-AS
set network routing-profile bgp address-family-profile <name> ipv6 unicast remove-private-AS
set network routing-profile bgp address-family-profile <name> ipv6 unicast remove-private-AS all
set network routing-profile bgp address-family-profile <name> ipv6 unicast remove-private-AS
replace-AS
set network routing-profile bgp address-family-profile <name> ipv6 unicast route-reflector-client
<yes|no>
set network routing-profile bgp address-family-profile <name> ipv6 unicast send-community
set network routing-profile bgp address-family-profile <name> ipv6 unicast send-community
set network routing-profile bgp address-family-profile <name> ipv6 unicast send-community all
set network routing-profile bgp address-family-profile <name> ipv6 unicast send-community both

```

```

set network routing-profile bgp address-family-profile <name> ipv6 unicast send-community
extended
set network routing-profile bgp address-family-profile <name> ipv6 unicast send-community large
set network routing-profile bgp address-family-profile <name> ipv6 unicast send-community
standard
set network routing-profile bgp redistribution-profile
set network routing-profile bgp redistribution-profile <name>
set network routing-profile bgp redistribution-profile <name>
set network routing-profile bgp redistribution-profile <name> ipv4
set network routing-profile bgp redistribution-profile <name> ipv4
set network routing-profile bgp redistribution-profile <name> ipv4 unicast
set network routing-profile bgp redistribution-profile <name> ipv4 unicast static
set network routing-profile bgp redistribution-profile <name> ipv4 unicast static enable <yes|no>
set network routing-profile bgp redistribution-profile <name> ipv4 unicast static metric
<1-65535>
set network routing-profile bgp redistribution-profile <name> ipv4 unicast connected
set network routing-profile bgp redistribution-profile <name> ipv4 unicast connected enable
<yes|no>
set network routing-profile bgp redistribution-profile <name> ipv4 unicast connected metric
<1-65535>
set network routing-profile bgp redistribution-profile <name> ipv6
set network routing-profile bgp redistribution-profile <name> ipv6
set network routing-profile bgp redistribution-profile <name> ipv6 unicast
set network routing-profile bgp redistribution-profile <name> ipv6 unicast static
set network routing-profile bgp redistribution-profile <name> ipv6 unicast static enable <yes|no>
set network routing-profile bgp redistribution-profile <name> ipv6 unicast static metric
<1-65535>
set network routing-profile bgp redistribution-profile <name> ipv6 unicast connected
set network routing-profile bgp redistribution-profile <name> ipv6 unicast connected enable
<yes|no>
set network routing-profile bgp redistribution-profile <name> ipv6 unicast connected metric
<1-65535>
set network dns-proxy
set network dns-proxy <name>
set network dns-proxy <name> enabled <yes|no>
set network dns-proxy <name> interface [ <interface1> <interface2>... ]

```

```

set network dns-proxy <name> default
set network dns-proxy <name> default inheritance
set network dns-proxy <name> default inheritance source <value>
set network dns-proxy <name> default primary <validate>|<ip/netmask>|<inherited>
set network dns-proxy <name> default secondary <validate>|<ip/netmask>|<inherited>
set network dns-proxy <name> domain-servers
set network dns-proxy <name> domain-servers <name>
set network dns-proxy <name> domain-servers <name> cacheable <yes|no>
set network dns-proxy <name> domain-servers <name> domain-name [ <domain-name1>
<domain-name2>... ]
set network dns-proxy <name> domain-servers <name> primary <ip/netmask>
set network dns-proxy <name> domain-servers <name> secondary <ip/netmask>
set network dns-proxy <name> cache
set network dns-proxy <name> cache enabled <yes|no>
set network dns-proxy <name> cache cache-edns <yes|no>
set network dns-proxy <name> cache max-ttl
set network dns-proxy <name> cache max-ttl enabled <yes|no>
set network dns-proxy <name> cache max-ttl time-to-live <60-86400>
set network dns-proxy <name> static-entries
set network dns-proxy <name> static-entries <name>
set network dns-proxy <name> static-entries <name> domain <value>
set network dns-proxy <name> static-entries <name> address [ <address1> <address2>... ]
set network dns-proxy <name> tcp-queries
set network dns-proxy <name> tcp-queries enabled <yes|no>
set network dns-proxy <name> tcp-queries max-pending-requests <64-256>
set network dns-proxy <name> udp-queries
set network dns-proxy <name> udp-queries retries
set network dns-proxy <name> udp-queries retries interval <1-30>
set network dns-proxy <name> udp-queries retries attempts <1-30>
set network dhcp
set network dhcp interface
set network dhcp interface <name>
set network dhcp interface <name> server
set network dhcp interface <name> server mode <enabled|disabled|auto>

```



```

set network dhcp interface <name> server probe-ip <yes|no>
set network dhcp interface <name> server option
set network dhcp interface <name> server option lease
set network dhcp interface <name> server option lease unlimited
set network dhcp interface <name> server option lease timeout <0-1000000>
set network dhcp interface <name> server option inheritance
set network dhcp interface <name> server option inheritance source <value>
set network dhcp interface <name> server option gateway <ip/netmask>
set network dhcp interface <name> server option subnet-mask <value>
set network dhcp interface <name> server option dns
set network dhcp interface <name> server option dns primary <ip/netmask>|<inherited>
set network dhcp interface <name> server option dns secondary <ip/netmask>|<inherited>
set network dhcp interface <name> server option wins
set network dhcp interface <name> server option wins primary <ip/netmask>|<inherited>
set network dhcp interface <name> server option wins secondary <ip/netmask>|<inherited>
set network dhcp interface <name> server option nis
set network dhcp interface <name> server option nis primary <ip/netmask>|<inherited>
set network dhcp interface <name> server option nis secondary <ip/netmask>|<inherited>
set network dhcp interface <name> server option ntp
set network dhcp interface <name> server option ntp primary <ip/netmask>|<inherited>
set network dhcp interface <name> server option ntp secondary <ip/netmask>|<inherited>
set network dhcp interface <name> server option pop3-server <ip/netmask>|<inherited>
set network dhcp interface <name> server option smtp-server <ip/netmask>|<inherited>
set network dhcp interface <name> server option dns-suffix <value>|<inherited>
set network dhcp interface <name> server option user-defined
set network dhcp interface <name> server option user-defined <name>
set network dhcp interface <name> server option user-defined <name> code <1-254>
set network dhcp interface <name> server option user-defined <name> vendor-class-identifier
<value>
set network dhcp interface <name> server option user-defined <name> inherited <yes|no>
set network dhcp interface <name> server option user-defined <name>
set network dhcp interface <name> server option user-defined <name> ip [ <ip1> <ip2>... ]
set network dhcp interface <name> server option user-defined <name> ascii [ <ascii1>
<ascii2>... ]

```

```
set network dhcp interface <name> server option user-defined <name> hex [ <hex1> <hex2>... ]
set network dhcp interface <name> server ip-pool [ <ip-pool1> <ip-pool2>... ]
set network dhcp interface <name> server reserved
set network dhcp interface <name> server reserved <name>
set network dhcp interface <name> server reserved <name> mac <value>
set network dhcp interface <name> server reserved <name> description <value>
set network dhcp interface <name> relay
set network dhcp interface <name> relay ip
set network dhcp interface <name> relay ip enabled <yes|no>
set network dhcp interface <name> relay ip server [ <server1> <server2>... ]
set network dhcp interface <name> relay ipv6
set network dhcp interface <name> relay ipv6 enabled <yes|no>
set network dhcp interface <name> relay ipv6 server
set network dhcp interface <name> relay ipv6 server <name>
set network dhcp interface <name> relay ipv6 server <name> interface <value>
set network shared-gateway
set network shared-gateway <name>
set network shared-gateway <name> display-name <value>
set network shared-gateway <name> import
set network shared-gateway <name> import dns-proxy <value>
set network shared-gateway <name> import network
set network shared-gateway <name> import network interface [ <interface1> <interface2>... ]
set network shared-gateway <name> zone
set network shared-gateway <name> zone <name>
set network shared-gateway <name> zone <name> network
set network shared-gateway <name> zone <name> network zone-protection-profile <value>
set network shared-gateway <name> zone <name> network enable-packet-buffer-protection
<yes|no>
set network shared-gateway <name> zone <name> network log-setting <value>
set network shared-gateway <name> zone <name> network
set network shared-gateway <name> zone <name> network layer3 [ <layer31> <layer32>... ]
set network shared-gateway <name> zone <name> network external [ <external1>
<external2>... ]
set network shared-gateway <name> zone <name> user-acl
```

```
set network shared-gateway <name> zone <name> user-acl include-list [ <include-list1> <include-list2>... ]
set network shared-gateway <name> zone <name> user-acl exclude-list [ <exclude-list1> <exclude-list2>... ]
set network shared-gateway <name> address
set network shared-gateway <name> address <name>
set network shared-gateway <name> address <name> description <value>
set network shared-gateway <name> address <name>
set network shared-gateway <name> address <name> ip-netmask <ip/netmask>
set network shared-gateway <name> address <name> ip-range <ip-range>
set network shared-gateway <name> address <name> ip-wildcard <ipdiscontmask>
set network shared-gateway <name> address <name> fqdn <value>
set network shared-gateway <name> address <name> tag [ <tag1> <tag2>... ]
set network shared-gateway <name> address-group
set network shared-gateway <name> address-group <name>
set network shared-gateway <name> address-group <name> description <value>
set network shared-gateway <name> address-group <name>
set network shared-gateway <name> address-group <name> static [ <static1> <static2>... ]
set network shared-gateway <name> address-group <name> dynamic
set network shared-gateway <name> address-group <name> dynamic filter <value>
set network shared-gateway <name> address-group <name> tag [ <tag1> <tag2>... ]
set network shared-gateway <name> service
set network shared-gateway <name> service <name>
set network shared-gateway <name> service <name> description <value>
set network shared-gateway <name> service <name> protocol
set network shared-gateway <name> service <name> protocol tcp
set network shared-gateway <name> service <name> protocol tcp port <0-65535,...>
set network shared-gateway <name> service <name> protocol tcp source-port <0-65535,...>
set network shared-gateway <name> service <name> protocol tcp override
set network shared-gateway <name> service <name> protocol tcp override no
set network shared-gateway <name> service <name> protocol tcp override yes
set network shared-gateway <name> service <name> protocol tcp override yes timeout <1-604800>
set network shared-gateway <name> service <name> protocol tcp override yes halfclose-timeout <1-604800>
```

```

set network shared-gateway <name> service <name> protocol tcp override yes timewait-timeout
<1-600>
set network shared-gateway <name> service <name> protocol udp
set network shared-gateway <name> service <name> protocol udp port <0-65535,...>
set network shared-gateway <name> service <name> protocol udp source-port <0-65535,...>
set network shared-gateway <name> service <name> protocol udp override
set network shared-gateway <name> service <name> protocol udp override no
set network shared-gateway <name> service <name> protocol udp override yes
set network shared-gateway <name> service <name> protocol udp override yes timeout
<1-604800>
set network shared-gateway <name> service <name> tag [ <tag1> <tag2>... ]
set network shared-gateway <name> service-group
set network shared-gateway <name> service-group <name>
set network shared-gateway <name> service-group <name> members [ <members1>
<members2>... ]
set network shared-gateway <name> service-group <name> tag [ <tag1> <tag2>... ]
set network shared-gateway <name> tag
set network shared-gateway <name> tag <name>
set network shared-gateway <name> tag <name> color <color1|color2|color3|color4|color5|
color6|color7|color8|color9|color10|color11|color12|color13|color14|color15|color16|color17|
color19|color20|color21|color22|color23|color24|color25|color26|color27|color28|color29|
color30|color31|color32|color33|color34|color35|color36|color37|color38|color39|color40|
color41|color42>
set network shared-gateway <name> tag <name> comments <value>
set network shared-gateway <name> log-settings
set network shared-gateway <name> log-settings snmptrap
set network shared-gateway <name> log-settings snmptrap <name>
set network shared-gateway <name> log-settings snmptrap <name> version
set network shared-gateway <name> log-settings snmptrap <name> version v2c
set network shared-gateway <name> log-settings snmptrap <name> version v2c server
set network shared-gateway <name> log-settings snmptrap <name> version v2c server <name>
manager <ip/netmask>|<value>
set network shared-gateway <name> log-settings snmptrap <name> version v2c server <name>
community <value>
set network shared-gateway <name> log-settings snmptrap <name> version v3

```

```
set network shared-gateway <name> log-settings snmptrap <name> version v3 server
set network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
set network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
manager <ip/netmask>|<value>
set network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
user <value>
set network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
engineid <value>
set network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
authpwd <value>
set network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
privpwd <value>
set network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
authproto <SHA|SHA-224|SHA-256|SHA-384|SHA-512>
set network shared-gateway <name> log-settings snmptrap <name> version v3 server <name>
privproto <AES|AES-192|AES-256>
set network shared-gateway <name> log-settings email
set network shared-gateway <name> log-settings email <name>
set network shared-gateway <name> log-settings email <name> server
set network shared-gateway <name> log-settings email <name> server <name>
set network shared-gateway <name> log-settings email <name> server <name> display-name
<value>
set network shared-gateway <name> log-settings email <name> server <name> from <value>
set network shared-gateway <name> log-settings email <name> server <name> to <value>
set network shared-gateway <name> log-settings email <name> server <name> and-also-to
<value>
set network shared-gateway <name> log-settings email <name> server <name> gateway <value>
set network shared-gateway <name> log-settings email <name> server <name> protocol <SMTP|
TLS>
set network shared-gateway <name> log-settings email <name> server <name> port <1-65535>
set network shared-gateway <name> log-settings email <name> server <name> tls-version <1.2|
1.1>
set network shared-gateway <name> log-settings email <name> server <name> auth <Auto|Login|
Plain>
set network shared-gateway <name> log-settings email <name> server <name> certificate-profile
<value>
set network shared-gateway <name> log-settings email <name> server <name> username
<value>
```

```

set network shared-gateway <name> log-settings email <name> server <name> password
<value>
set network shared-gateway <name> log-settings email <name> format
set network shared-gateway <name> log-settings email <name> format traffic <value>
set network shared-gateway <name> log-settings email <name> format threat <value>
set network shared-gateway <name> log-settings email <name> format wildfire <value>
set network shared-gateway <name> log-settings email <name> format url <value>
set network shared-gateway <name> log-settings email <name> format data <value>
set network shared-gateway <name> log-settings email <name> format tunnel <value>
set network shared-gateway <name> log-settings email <name> format auth <value>
set network shared-gateway <name> log-settings email <name> format userid <value>
set network shared-gateway <name> log-settings email <name> format iptag <value>
set network shared-gateway <name> log-settings email <name> format decryption <value>
set network shared-gateway <name> log-settings email <name> format config <value>
set network shared-gateway <name> log-settings email <name> format system <value>
set network shared-gateway <name> log-settings email <name> format globalprotect <value>
set network shared-gateway <name> log-settings email <name> format hip-match <value>
set network shared-gateway <name> log-settings email <name> format correlation <value>
set network shared-gateway <name> log-settings email <name> format escaping
set network shared-gateway <name> log-settings email <name> format escaping escaped-
characters <value>
set network shared-gateway <name> log-settings email <name> format escaping escape-
character <value>
set network shared-gateway <name> log-settings syslog
set network shared-gateway <name> log-settings syslog <name>
set network shared-gateway <name> log-settings syslog <name> server
set network shared-gateway <name> log-settings syslog <name> server <name>
set network shared-gateway <name> log-settings syslog <name> server <name> server <value>
set network shared-gateway <name> log-settings syslog <name> server <name> transport <UDP|
TCP|SSL>
set network shared-gateway <name> log-settings syslog <name> server <name> port <1-65535>
set network shared-gateway <name> log-settings syslog <name> server <name> format <BSD|
IETF>
set network shared-gateway <name> log-settings syslog <name> server <name> facility
<LOG_USER|LOG_LOCAL0|LOG_LOCAL1|LOG_LOCAL2|LOG_LOCAL3|LOG_LOCAL4|
LOG_LOCAL5|LOG_LOCAL6|LOG_LOCAL7>

```

```

set network shared-gateway <name> log-settings syslog <name> format
set network shared-gateway <name> log-settings syslog <name> format traffic <value>
set network shared-gateway <name> log-settings syslog <name> format threat <value>
set network shared-gateway <name> log-settings syslog <name> format wildfire <value>
set network shared-gateway <name> log-settings syslog <name> format url <value>
set network shared-gateway <name> log-settings syslog <name> format data <value>
set network shared-gateway <name> log-settings syslog <name> format tunnel <value>
set network shared-gateway <name> log-settings syslog <name> format auth <value>
set network shared-gateway <name> log-settings syslog <name> format userid <value>
set network shared-gateway <name> log-settings syslog <name> format iptag <value>
set network shared-gateway <name> log-settings syslog <name> format decryption <value>
set network shared-gateway <name> log-settings syslog <name> format config <value>
set network shared-gateway <name> log-settings syslog <name> format system <value>
set network shared-gateway <name> log-settings syslog <name> format globalprotect <value>
set network shared-gateway <name> log-settings syslog <name> format hip-match <value>
set network shared-gateway <name> log-settings syslog <name> format correlation <value>
set network shared-gateway <name> log-settings syslog <name> format escaping
set network shared-gateway <name> log-settings syslog <name> format escaping escaped-
characters <value>
set network shared-gateway <name> log-settings syslog <name> format escaping escape-
character <value>
set network shared-gateway <name> log-settings http
set network shared-gateway <name> log-settings http <name>
set network shared-gateway <name> log-settings http <name> tag-registration <yes|no>
set network shared-gateway <name> log-settings http <name> server
set network shared-gateway <name> log-settings http <name> server <name>
set network shared-gateway <name> log-settings http <name> server <name> address <value>
set network shared-gateway <name> log-settings http <name> server <name> protocol <HTTP|
HTTPS>
set network shared-gateway <name> log-settings http <name> server <name> port <1-65535>
set network shared-gateway <name> log-settings http <name> server <name> tls-version <1.2|
1.1|1.0>
set network shared-gateway <name> log-settings http <name> server <name> certificate-profile
<value>

```

```
set network shared-gateway <name> log-settings http <name> server <name> http-method <value>
set network shared-gateway <name> log-settings http <name> server <name> username <value>
set network shared-gateway <name> log-settings http <name> server <name> password <value>
set network shared-gateway <name> log-settings http <name> format
set network shared-gateway <name> log-settings http <name> format config
set network shared-gateway <name> log-settings http <name> format config name <value>
set network shared-gateway <name> log-settings http <name> format config url-format <value>
set network shared-gateway <name> log-settings http <name> format config headers
set network shared-gateway <name> log-settings http <name> format config headers <name>
set network shared-gateway <name> log-settings http <name> format config headers <name> value <value>
set network shared-gateway <name> log-settings http <name> format config params
set network shared-gateway <name> log-settings http <name> format config params <name>
set network shared-gateway <name> log-settings http <name> format config params <name> value <value>
set network shared-gateway <name> log-settings http <name> format config payload <value>
set network shared-gateway <name> log-settings http <name> format system
set network shared-gateway <name> log-settings http <name> format system name <value>
set network shared-gateway <name> log-settings http <name> format system url-format <value>
set network shared-gateway <name> log-settings http <name> format system headers
set network shared-gateway <name> log-settings http <name> format system headers <name>
set network shared-gateway <name> log-settings http <name> format system headers <name> value <value>
set network shared-gateway <name> log-settings http <name> format system params
set network shared-gateway <name> log-settings http <name> format system params <name>
set network shared-gateway <name> log-settings http <name> format system params <name> value <value>
set network shared-gateway <name> log-settings http <name> format system payload <value>
set network shared-gateway <name> log-settings http <name> format traffic
set network shared-gateway <name> log-settings http <name> format traffic name <value>
set network shared-gateway <name> log-settings http <name> format traffic url-format <value>
set network shared-gateway <name> log-settings http <name> format traffic headers
set network shared-gateway <name> log-settings http <name> format traffic headers <name>
```



```

set network shared-gateway <name> log-settings http <name> format traffic headers <name>
value <value>
set network shared-gateway <name> log-settings http <name> format traffic params
set network shared-gateway <name> log-settings http <name> format traffic params <name>
set network shared-gateway <name> log-settings http <name> format traffic params <name>
value <value>
set network shared-gateway <name> log-settings http <name> format traffic payload <value>
set network shared-gateway <name> log-settings http <name> format threat
set network shared-gateway <name> log-settings http <name> format threat name <value>
set network shared-gateway <name> log-settings http <name> format threat url-format <value>
set network shared-gateway <name> log-settings http <name> format threat headers
set network shared-gateway <name> log-settings http <name> format threat headers <name>
set network shared-gateway <name> log-settings http <name> format threat headers <name>
value <value>
set network shared-gateway <name> log-settings http <name> format threat params
set network shared-gateway <name> log-settings http <name> format threat params <name>
set network shared-gateway <name> log-settings http <name> format threat params <name>
value <value>
set network shared-gateway <name> log-settings http <name> format threat payload <value>
set network shared-gateway <name> log-settings http <name> format wildfire
set network shared-gateway <name> log-settings http <name> format wildfire name <value>
set network shared-gateway <name> log-settings http <name> format wildfire url-format <value>
set network shared-gateway <name> log-settings http <name> format wildfire headers
set network shared-gateway <name> log-settings http <name> format wildfire headers <name>
set network shared-gateway <name> log-settings http <name> format wildfire headers <name>
value <value>
set network shared-gateway <name> log-settings http <name> format wildfire params
set network shared-gateway <name> log-settings http <name> format wildfire params <name>
set network shared-gateway <name> log-settings http <name> format wildfire params <name>
value <value>
set network shared-gateway <name> log-settings http <name> format wildfire payload <value>
set network shared-gateway <name> log-settings http <name> format url
set network shared-gateway <name> log-settings http <name> format url name <value>
set network shared-gateway <name> log-settings http <name> format url url-format <value>
set network shared-gateway <name> log-settings http <name> format url headers

```

```

set network shared-gateway <name> log-settings http <name> format url headers <name>
set network shared-gateway <name> log-settings http <name> format url headers <name> value
<value>
set network shared-gateway <name> log-settings http <name> format url params
set network shared-gateway <name> log-settings http <name> format url params <name>
set network shared-gateway <name> log-settings http <name> format url params <name> value
<value>
set network shared-gateway <name> log-settings http <name> format url payload <value>
set network shared-gateway <name> log-settings http <name> format data
set network shared-gateway <name> log-settings http <name> format data name <value>
set network shared-gateway <name> log-settings http <name> format data url-format <value>
set network shared-gateway <name> log-settings http <name> format data headers
set network shared-gateway <name> log-settings http <name> format data headers <name>
set network shared-gateway <name> log-settings http <name> format data headers <name>
value <value>
set network shared-gateway <name> log-settings http <name> format data params
set network shared-gateway <name> log-settings http <name> format data params <name>
set network shared-gateway <name> log-settings http <name> format data params <name> value
<value>
set network shared-gateway <name> log-settings http <name> format data payload <value>
set network shared-gateway <name> log-settings http <name> format tunnel
set network shared-gateway <name> log-settings http <name> format tunnel name <value>
set network shared-gateway <name> log-settings http <name> format tunnel url-format <value>
set network shared-gateway <name> log-settings http <name> format tunnel headers
set network shared-gateway <name> log-settings http <name> format tunnel headers <name>
set network shared-gateway <name> log-settings http <name> format tunnel headers <name>
value <value>
set network shared-gateway <name> log-settings http <name> format tunnel params
set network shared-gateway <name> log-settings http <name> format tunnel params <name>
set network shared-gateway <name> log-settings http <name> format tunnel params <name>
value <value>
set network shared-gateway <name> log-settings http <name> format tunnel payload <value>
set network shared-gateway <name> log-settings http <name> format auth
set network shared-gateway <name> log-settings http <name> format auth name <value>
set network shared-gateway <name> log-settings http <name> format auth url-format <value>

```

```

set network shared-gateway <name> log-settings http <name> format auth headers
set network shared-gateway <name> log-settings http <name> format auth headers <name>
set network shared-gateway <name> log-settings http <name> format auth headers <name>
value <value>
set network shared-gateway <name> log-settings http <name> format auth params
set network shared-gateway <name> log-settings http <name> format auth params <name>
set network shared-gateway <name> log-settings http <name> format auth params <name> value
<value>
set network shared-gateway <name> log-settings http <name> format auth payload <value>
set network shared-gateway <name> log-settings http <name> format userid
set network shared-gateway <name> log-settings http <name> format userid name <value>
set network shared-gateway <name> log-settings http <name> format userid url-format <value>
set network shared-gateway <name> log-settings http <name> format userid headers
set network shared-gateway <name> log-settings http <name> format userid headers <name>
set network shared-gateway <name> log-settings http <name> format userid headers <name>
value <value>
set network shared-gateway <name> log-settings http <name> format userid params
set network shared-gateway <name> log-settings http <name> format userid params <name>
set network shared-gateway <name> log-settings http <name> format userid params <name>
value <value>
set network shared-gateway <name> log-settings http <name> format userid payload <value>
set network shared-gateway <name> log-settings http <name> format iptag
set network shared-gateway <name> log-settings http <name> format iptag name <value>
set network shared-gateway <name> log-settings http <name> format iptag url-format <value>
set network shared-gateway <name> log-settings http <name> format iptag headers
set network shared-gateway <name> log-settings http <name> format iptag headers <name>
set network shared-gateway <name> log-settings http <name> format iptag headers <name>
value <value>
set network shared-gateway <name> log-settings http <name> format iptag params
set network shared-gateway <name> log-settings http <name> format iptag params <name>
set network shared-gateway <name> log-settings http <name> format iptag params <name>
value <value>
set network shared-gateway <name> log-settings http <name> format iptag payload <value>
set network shared-gateway <name> log-settings http <name> format decryption
set network shared-gateway <name> log-settings http <name> format decryption name <value>

```

```

set network shared-gateway <name> log-settings http <name> format decryption url-format
<value>

set network shared-gateway <name> log-settings http <name> format decryption headers

set network shared-gateway <name> log-settings http <name> format decryption headers
<name>

set network shared-gateway <name> log-settings http <name> format decryption headers
<name> value <value>

set network shared-gateway <name> log-settings http <name> format decryption params

set network shared-gateway <name> log-settings http <name> format decryption params
<name>

set network shared-gateway <name> log-settings http <name> format decryption params
<name> value <value>

set network shared-gateway <name> log-settings http <name> format decryption payload
<value>

set network shared-gateway <name> log-settings http <name> format globalprotect

set network shared-gateway <name> log-settings http <name> format globalprotect name
<value>

set network shared-gateway <name> log-settings http <name> format globalprotect url-format
<value>

set network shared-gateway <name> log-settings http <name> format globalprotect headers

set network shared-gateway <name> log-settings http <name> format globalprotect headers
<name>

set network shared-gateway <name> log-settings http <name> format globalprotect headers
<name> value <value>

set network shared-gateway <name> log-settings http <name> format globalprotect params

set network shared-gateway <name> log-settings http <name> format globalprotect params
<name>

set network shared-gateway <name> log-settings http <name> format globalprotect params
<name> value <value>

set network shared-gateway <name> log-settings http <name> format globalprotect payload
<value>

set network shared-gateway <name> log-settings http <name> format hip-match

set network shared-gateway <name> log-settings http <name> format hip-match name <value>

set network shared-gateway <name> log-settings http <name> format hip-match url-format
<value>

set network shared-gateway <name> log-settings http <name> format hip-match headers

set network shared-gateway <name> log-settings http <name> format hip-match headers
<name>

```

```

set network shared-gateway <name> log-settings http <name> format hip-match headers
<name> value <value>

set network shared-gateway <name> log-settings http <name> format hip-match params

set network shared-gateway <name> log-settings http <name> format hip-match params <name>

set network shared-gateway <name> log-settings http <name> format hip-match params <name>
value <value>

set network shared-gateway <name> log-settings http <name> format hip-match payload <value>

set network shared-gateway <name> log-settings http <name> format correlation

set network shared-gateway <name> log-settings http <name> format correlation name <value>

set network shared-gateway <name> log-settings http <name> format correlation url-format
<value>

set network shared-gateway <name> log-settings http <name> format correlation headers

set network shared-gateway <name> log-settings http <name> format correlation headers
<name>

set network shared-gateway <name> log-settings http <name> format correlation headers
<name> value <value>

set network shared-gateway <name> log-settings http <name> format correlation params

set network shared-gateway <name> log-settings http <name> format correlation params
<name>

set network shared-gateway <name> log-settings http <name> format correlation params
<name> value <value>

set network shared-gateway <name> log-settings http <name> format correlation payload
<value>

set network shared-gateway <name> log-settings profiles

set network shared-gateway <name> log-settings profiles <name>

set network shared-gateway <name> log-settings profiles <name> description <value>

set network shared-gateway <name> log-settings profiles <name> enhanced-application-logging
<yes|no>

set network shared-gateway <name> log-settings profiles <name> match-list

set network shared-gateway <name> log-settings profiles <name> match-list <name>

set network shared-gateway <name> log-settings profiles <name> match-list <name> action-desc
<value>

set network shared-gateway <name> log-settings profiles <name> match-list <name> log-type
<traffic|threat|wildfire|url|data|tunnel|auth|decryption>

set network shared-gateway <name> log-settings profiles <name> match-list <name> filter
<value>

set network shared-gateway <name> log-settings profiles <name> match-list <name> send-to-
panorama <yes|no>

```

```

set network shared-gateway <name> log-settings profiles <name> match-list <name> send-
snmptrap [ <send-snmptrap1> <send-snmptrap2>... ]

set network shared-gateway <name> log-settings profiles <name> match-list <name> send-email
[ <send-email1> <send-email2>... ]

set network shared-gateway <name> log-settings profiles <name> match-list <name> send-syslog
[ <send-syslog1> <send-syslog2>... ]

set network shared-gateway <name> log-settings profiles <name> match-list <name> send-http
[ <send-http1> <send-http2>... ]

set network shared-gateway <name> log-settings profiles <name> match-list <name> quarantine
<yes|no>

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name>

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging target <source-address|destination-address|xff-address|user>

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging action <add-tag|remove-tag>

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration localhost

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration panorama

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration remote

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging registration remote http-profile <value>

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging timeout <0-43200>

set network shared-gateway <name> log-settings profiles <name> match-list <name> actions
<name> type tagging tags [ <tags1> <tags2>... ]

set network shared-gateway <name> rulebase

set network shared-gateway <name> rulebase nat

set network shared-gateway <name> rulebase nat rules

set network shared-gateway <name> rulebase nat rules <name>

```

```

set network shared-gateway <name> rulebase nat rules <name> from [ <from1> <from2>... ]
set network shared-gateway <name> rulebase nat rules <name> to [ <to1> <to2>... ]
set network shared-gateway <name> rulebase nat rules <name> source [ <source1> <source2>... ]
set network shared-gateway <name> rulebase nat rules <name> destination [ <destination1>
<destination2>... ]
set network shared-gateway <name> rulebase nat rules <name> service <value>
set network shared-gateway <name> rulebase nat rules <name> nat-type <ipv4|nat64|nptv6>
set network shared-gateway <name> rulebase nat rules <name> to-interface <value>|<any>
set network shared-gateway <name> rulebase nat rules <name> source-translation
set network shared-gateway <name> rulebase nat rules <name> source-translation
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port translated-address [ <translated-address1> <translated-address2>... ]
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port interface-address
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port interface-address interface <value>
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port interface-address
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port interface-address ip <value>
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip-
and-port interface-address floating-ip <value>
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
translated-address [ <translated-address1> <translated-address2>... ]
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback translated-address [ <translated-address1> <translated-address2>... ]
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback interface-address

```

```
set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback interface-address interface <value>

set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback interface-address

set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback interface-address ip <value>

set network shared-gateway <name> rulebase nat rules <name> source-translation dynamic-ip
fallback interface-address floating-ip <value>

set network shared-gateway <name> rulebase nat rules <name> source-translation static-ip

set network shared-gateway <name> rulebase nat rules <name> source-translation static-ip
translated-address <value>|<ip/netmask>|<ip-range>

set network shared-gateway <name> rulebase nat rules <name> source-translation static-ip bi-
directional <yes|no>

set network shared-gateway <name> rulebase nat rules <name>

set network shared-gateway <name> rulebase nat rules <name> destination-translation

set network shared-gateway <name> rulebase nat rules <name> destination-translation
translated-address <value>|<ip/netmask>|<ip-range>

set network shared-gateway <name> rulebase nat rules <name> destination-translation
translated-port <1-65535>

set network shared-gateway <name> rulebase nat rules <name> destination-translation

set network shared-gateway <name> rulebase nat rules <name> destination-translation dns-
rewrite

set network shared-gateway <name> rulebase nat rules <name> destination-translation dns-
rewrite direction <reverse|forward>

set network shared-gateway <name> rulebase nat rules <name> dynamic-destination-translation

set network shared-gateway <name> rulebase nat rules <name> dynamic-destination-translation
translated-address <value>|<ip/netmask>|<ip-range>

set network shared-gateway <name> rulebase nat rules <name> dynamic-destination-translation
translated-port <1-65535>

set network shared-gateway <name> rulebase nat rules <name> dynamic-destination-translation
distribution <round-robin|source-ip-hash|ip-modulo|ip-hash|least-sessions>

set network shared-gateway <name> rulebase nat rules <name> active-active-device-binding
<primary|both|0|1>

set network shared-gateway <name> rulebase nat rules <name> tag [ <tag1> <tag2>... ]

set network shared-gateway <name> rulebase nat rules <name> disabled <yes|no>

set network shared-gateway <name> rulebase nat rules <name> description <value>

set network shared-gateway <name> rulebase nat rules <name> group-tag <value>

set network shared-gateway <name> rulebase pbf
```



```

set network shared-gateway <name> rulebase pbf rules
set network shared-gateway <name> rulebase pbf rules <name>
set network shared-gateway <name> rulebase pbf rules <name> from
set network shared-gateway <name> rulebase pbf rules <name> from
set network shared-gateway <name> rulebase pbf rules <name> from zone [ <zone1> <zone2>... ]
set network shared-gateway <name> rulebase pbf rules <name> from interface [ <interface1>
<interface2>... ]
set network shared-gateway <name> rulebase pbf rules <name> source [ <source1>
<source2>... ]
set network shared-gateway <name> rulebase pbf rules <name> source-user [ <source-user1>
<source-user2>... ]
set network shared-gateway <name> rulebase pbf rules <name> destination [ <destination1>
<destination2>... ]
set network shared-gateway <name> rulebase pbf rules <name> service [ <service1>
<service2>... ]
set network shared-gateway <name> rulebase pbf rules <name> schedule <value>
set network shared-gateway <name> rulebase pbf rules <name> tag [ <tag1> <tag2>... ]
set network shared-gateway <name> rulebase pbf rules <name> negate-source <yes|no>
set network shared-gateway <name> rulebase pbf rules <name> negate-destination <yes|no>
set network shared-gateway <name> rulebase pbf rules <name> disabled <yes|no>
set network shared-gateway <name> rulebase pbf rules <name> description <value>
set network shared-gateway <name> rulebase pbf rules <name> group-tag <value>
set network shared-gateway <name> rulebase pbf rules <name> application [ <application1>
<application2>... ]
set network shared-gateway <name> rulebase pbf rules <name> action
set network shared-gateway <name> rulebase pbf rules <name> action
set network shared-gateway <name> rulebase pbf rules <name> action forward
set network shared-gateway <name> rulebase pbf rules <name> action forward egress-interface
<value>
set network shared-gateway <name> rulebase pbf rules <name> action forward nexthop
set network shared-gateway <name> rulebase pbf rules <name> action forward nexthop
set network shared-gateway <name> rulebase pbf rules <name> action forward nexthop ip-
address <value>|<ip/netmask>
set network shared-gateway <name> rulebase pbf rules <name> action forward nexthop fqdn
<value>
set network shared-gateway <name> rulebase pbf rules <name> action forward monitor

```

```

set network shared-gateway <name> rulebase pbf rules <name> action forward monitor profile
<value>

set network shared-gateway <name> rulebase pbf rules <name> action forward monitor disable-
if-unreachable <yes|no>

set network shared-gateway <name> rulebase pbf rules <name> action forward monitor ip-
address <ip/netmask>

set network shared-gateway <name> rulebase pbf rules <name> action forward-to-vsyst <value>

set network shared-gateway <name> rulebase pbf rules <name> action discard

set network shared-gateway <name> rulebase pbf rules <name> action no-pbf

set network shared-gateway <name> rulebase pbf rules <name> enforce-symmetric-return

set network shared-gateway <name> rulebase pbf rules <name> enforce-symmetric-return
enabled <yes|no>

set network shared-gateway <name> rulebase pbf rules <name> enforce-symmetric-return
nexthop-address-list

set network shared-gateway <name> rulebase pbf rules <name> enforce-symmetric-return
nexthop-address-list <name>

set network shared-gateway <name> rulebase pbf rules <name> active-active-device-binding
<both|0|1>

set network shared-gateway <name> rulebase sdwan

set network shared-gateway <name> rulebase sdwan rules

set network shared-gateway <name> rulebase sdwan rules <name>

set network shared-gateway <name> rulebase sdwan rules <name> from [ <from1> <from2>... ]

set network shared-gateway <name> rulebase sdwan rules <name> to [ <to1> <to2>... ]

set network shared-gateway <name> rulebase sdwan rules <name> source [ <source1>
<source2>... ]

set network shared-gateway <name> rulebase sdwan rules <name> source-user [ <source-user1>
<source-user2>... ]

set network shared-gateway <name> rulebase sdwan rules <name> destination [ <destination1>
<destination2>... ]

set network shared-gateway <name> rulebase sdwan rules <name> application [ <application1>
<application2>... ]

set network shared-gateway <name> rulebase sdwan rules <name> service [ <service1>
<service2>... ]

set network shared-gateway <name> rulebase sdwan rules <name> tag [ <tag1> <tag2>... ]

set network shared-gateway <name> rulebase sdwan rules <name> negate-source <yes|no>

set network shared-gateway <name> rulebase sdwan rules <name> negate-destination <yes|no>

set network shared-gateway <name> rulebase sdwan rules <name> disabled <yes|no>

```

```

set network shared-gateway <name> rulebase sdwan rules <name> description <value>
set network shared-gateway <name> rulebase sdwan rules <name> group-tag <value>
set network shared-gateway <name> rulebase sdwan rules <name> path-quality-profile <value>
set network shared-gateway <name> rulebase sdwan rules <name> saas-quality-profile <value>
set network shared-gateway <name> rulebase sdwan rules <name> error-correction-profile
<value>
set network shared-gateway <name> rulebase sdwan rules <name> action
set network shared-gateway <name> rulebase sdwan rules <name> action traffic-distribution-
profile <value>
set network shared-gateway <name> rulebase sdwan rules <name> action app-failover-for-nat-
sessions <keep-existing-link|failover-to-better-path>
set network shared-gateway <name> rulebase network-packet-broker
set network shared-gateway <name> rulebase network-packet-broker rules
set network shared-gateway <name> rulebase network-packet-broker rules <name>
set network shared-gateway <name> rulebase network-packet-broker rules <name> from
[ <from1> <from2>... ]
set network shared-gateway <name> rulebase network-packet-broker rules <name> to [ <to1>
<to2>... ]
set network shared-gateway <name> rulebase network-packet-broker rules <name> source
[ <source1> <source2>... ]
set network shared-gateway <name> rulebase network-packet-broker rules <name> source-user
[ <source-user1> <source-user2>... ]
set network shared-gateway <name> rulebase network-packet-broker rules <name> destination
[ <destination1> <destination2>... ]
set network shared-gateway <name> rulebase network-packet-broker rules <name> application
[ <application1> <application2>... ]
set network shared-gateway <name> rulebase network-packet-broker rules <name> service
[ <service1> <service2>... ]
set network shared-gateway <name> rulebase network-packet-broker rules <name> tag [ <tag1>
<tag2>... ]
set network shared-gateway <name> rulebase network-packet-broker rules <name> negate-
source <yes|no>
set network shared-gateway <name> rulebase network-packet-broker rules <name> negate-
destination <yes|no>
set network shared-gateway <name> rulebase network-packet-broker rules <name> disabled
<yes|no>
set network shared-gateway <name> rulebase network-packet-broker rules <name> description
<value>

```

```

set network shared-gateway <name> rulebase network-packet-broker rules <name> group-tag
<value>

set network shared-gateway <name> rulebase network-packet-broker rules <name> source-hip
[ <source-hip1> <source-hip2>... ]

set network shared-gateway <name> rulebase network-packet-broker rules <name> destination-
hip [ <destination-hip1> <destination-hip2>... ]

set network shared-gateway <name> rulebase network-packet-broker rules <name> traffic-type

set network shared-gateway <name> rulebase network-packet-broker rules <name> traffic-type
tls-decrypted <yes|no>

set network shared-gateway <name> rulebase network-packet-broker rules <name> traffic-type
tls-encrypted <yes|no>

set network shared-gateway <name> rulebase network-packet-broker rules <name> traffic-type
non-tls <yes|no>

set network shared-gateway <name> rulebase network-packet-broker rules <name> action

set network shared-gateway <name> rulebase network-packet-broker rules <name> action
packet-broker-profile <value>

set network lldp

set network lldp enable <yes|no>

set network lldp transmit-interval <1-3600>

set network lldp transmit-delay <1-600>

set network lldp hold-time-multiple <1-100>

set network lldp notification-interval <1-3600>

set network lldp tx-credit-max <1-10>

set network lldp tx-fast-init <1-8>

set network lldp reinit-delay <1-10>

set network lldp msg-fast-tx <1-3600>

set network underlay-net

set network underlay-net ip-mapping

set network underlay-net ip-mapping <name>

set network underlay-net ip-mapping <name> overlay-ip <value>

set network underlay-net ip-mapping <name> underlay-ip <value>

set shared

set shared address

set shared address <name>

set shared address <name> description <value>

set shared address <name>

```

```

set shared address <name> ip-netmask <ip/netmask>
set shared address <name> ip-range <ip-range>
set shared address <name> ip-wildcard <ipdiscontmask>
set shared address <name> fqdn <value>
set shared address <name> tag [ <tag1> <tag2>... ]
set shared address-group
set shared address-group <name>
set shared address-group <name> description <value>
set shared address-group <name>
set shared address-group <name> static [ <static1> <static2>... ]
set shared address-group <name> dynamic
set shared address-group <name> dynamic filter <value>
set shared address-group <name> tag [ <tag1> <tag2>... ]
set shared application
set shared application <name>
set shared application <name> default
set shared application <name> default port [ <port1> <port2>... ]
set shared application <name> default ident-by-ip-protocol <0-255,...>
set shared application <name> default ident-by-icmp-type
set shared application <name> default ident-by-icmp-type type <0-255,...>
set shared application <name> default ident-by-icmp-type code <0-255,...>
set shared application <name> default ident-by-icmp6-type
set shared application <name> default ident-by-icmp6-type type <0-255,...>
set shared application <name> default ident-by-icmp6-type code <0-255,...>
set shared application <name> category <value>
set shared application <name> subcategory <value>
set shared application <name> technology <value>
set shared application <name> description <value>
set shared application <name> timeout <0-604800>
set shared application <name> tcp-timeout <0-604800>
set shared application <name> udp-timeout <0-604800>
set shared application <name> tcp-half-closed-timeout <1-604800>
set shared application <name> tcp-time-wait-timeout <1-600>

```

```

set shared application <name> risk <1-5>
set shared application <name> evasive-behavior <yes|no>
set shared application <name> consume-big-bandwidth <yes|no>
set shared application <name> used-by-malware <yes|no>
set shared application <name> able-to-transfer-file <yes|no>
set shared application <name> has-known-vulnerability <yes|no>
set shared application <name> tunnel-other-application <yes|no>
set shared application <name> tunnel-applications <yes|no>
set shared application <name> prone-to-misuse <yes|no>
set shared application <name> pervasive-use <yes|no>
set shared application <name> file-type-ident <yes|no>
set shared application <name> virus-ident <yes|no>
set shared application <name> data-ident <yes|no>
set shared application <name> no-appid-caching <yes|no>
set shared application <name> alg-disable-capability <value>
set shared application <name> parent-app <value>
set shared application <name> signature
set shared application <name> signature <name>
set shared application <name> signature <name> comment <value>
set shared application <name> signature <name> scope <protocol-data-unit|session>
set shared application <name> signature <name> order-free <yes|no>
set shared application <name> signature <name> and-condition
set shared application <name> signature <name> and-condition <name>
set shared application <name> signature <name> and-condition <name> or-condition
set shared application <name> signature <name> and-condition <name> or-condition <name>
set shared application <name> signature <name> and-condition <name> or-condition <name>
operator
set shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match
set shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match context <value>
set shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match pattern <value>
set shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match qualifier

```

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match qualifier <name>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator pattern-match qualifier <name> value <1-127>|<value>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than context <value>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than value <0-4294967295>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than qualifier

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than qualifier <name>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator greater-than qualifier <name> value <1-127>|<value>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than context <value>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than value <0-4294967295>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than qualifier

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than qualifier <name>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator less-than qualifier <name> value <1-127>|<value>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator equal-to

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator equal-to context <value>|<unknown-req-tcp|unknown-rsp-tcp|unknown-req-udp|
unknown-rsp-udp>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator equal-to position <value>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator equal-to mask <value>

set shared application <name> signature <name> and-condition <name> or-condition <name>
operator equal-to value <value>

set shared application-filter

```
set shared application-filter <name>
set shared application-filter <name> category [ <category1> <category2>... ]
set shared application-filter <name> subcategory [ <subcategory1> <subcategory2>... ]
set shared application-filter <name> technology [ <technology1> <technology2>... ]
set shared application-filter <name> evasive <yes>
set shared application-filter <name> excessive-bandwidth-use <yes>
set shared application-filter <name> used-by-malware <yes>
set shared application-filter <name> transfers-files <yes>
set shared application-filter <name> has-known-vulnerabilities <yes>
set shared application-filter <name> tunnels-other-apps <yes>
set shared application-filter <name> prone-to-misuse <yes>
set shared application-filter <name> pervasive <yes>
set shared application-filter <name> is-saas <yes>
set shared application-filter <name> new-appid <yes>
set shared application-filter <name> risk [ <risk1> <risk2>... ]
set shared application-filter <name> saas-certifications [ <saas-certifications1> <saas-
certifications2>... ]
set shared application-filter <name> saas-risk [ <saas-risk1> <saas-risk2>... ]
set shared application-filter <name> tagging
set shared application-filter <name> tagging no-tag <yes>
set shared application-filter <name> tagging tag [ <tag1> <tag2>... ]
set shared application-filter <name> exclude [ <exclude1> <exclude2>... ]
set shared application-group
set shared application-group <name>
set shared application-group <name> members [ <members1> <members2>... ]
set shared service
set shared service <name>
set shared service <name> description <value>
set shared service <name> protocol
set shared service <name> protocol tcp
set shared service <name> protocol tcp port <0-65535,...>
set shared service <name> protocol tcp source-port <0-65535,...>
set shared service <name> protocol tcp override
set shared service <name> protocol tcp override no
```



```

set shared service <name> protocol tcp override yes
set shared service <name> protocol tcp override yes timeout <1-604800>
set shared service <name> protocol tcp override yes halfclose-timeout <1-604800>
set shared service <name> protocol tcp override yes timewait-timeout <1-600>
set shared service <name> protocol udp
set shared service <name> protocol udp port <0-65535,...>
set shared service <name> protocol udp source-port <0-65535,...>
set shared service <name> protocol udp override
set shared service <name> protocol udp override no
set shared service <name> protocol udp override yes
set shared service <name> protocol udp override yes timeout <1-604800>
set shared service <name> tag [ <tag1> <tag2>... ]
set shared service-group
set shared service-group <name>
set shared service-group <name> members [ <members1> <members2>... ]
set shared service-group <name> tag [ <tag1> <tag2>... ]
set shared device-object
set shared device-object <name>
set shared device-object <name> description <value>
set shared device-object <name> category [ <category1> <category2>... ]
set shared device-object <name> profile [ <profile1> <profile2>... ]
set shared device-object <name> osfamily [ <osfamily1> <osfamily2>... ]
set shared device-object <name> os [ <os1> <os2>... ]
set shared device-object <name> model [ <model1> <model2>... ]
set shared device-object <name> vendor [ <vendor1> <vendor2>... ]
set shared profiles
set shared profiles hip-objects
set shared profiles hip-objects <name>
set shared profiles hip-objects <name> description <value>
set shared profiles hip-objects <name> host-info
set shared profiles hip-objects <name> host-info criteria
set shared profiles hip-objects <name> host-info criteria domain
set shared profiles hip-objects <name> host-info criteria domain

```

```
set shared profiles hip-objects <name> host-info criteria domain contains <value>
set shared profiles hip-objects <name> host-info criteria domain is <value>
set shared profiles hip-objects <name> host-info criteria domain is-not <value>
set shared profiles hip-objects <name> host-info criteria os
set shared profiles hip-objects <name> host-info criteria os
set shared profiles hip-objects <name> host-info criteria os contains
set shared profiles hip-objects <name> host-info criteria os contains
set shared profiles hip-objects <name> host-info criteria os contains Microsoft <value>
set shared profiles hip-objects <name> host-info criteria os contains Apple <value>
set shared profiles hip-objects <name> host-info criteria os contains Google <value>
set shared profiles hip-objects <name> host-info criteria os contains Linux <value>
set shared profiles hip-objects <name> host-info criteria os contains Other <value>
set shared profiles hip-objects <name> host-info criteria client-version
set shared profiles hip-objects <name> host-info criteria client-version
set shared profiles hip-objects <name> host-info criteria client-version contains <value>
set shared profiles hip-objects <name> host-info criteria client-version is <value>
set shared profiles hip-objects <name> host-info criteria client-version is-not <value>
set shared profiles hip-objects <name> host-info criteria host-name
set shared profiles hip-objects <name> host-info criteria host-name
set shared profiles hip-objects <name> host-info criteria host-name contains <value>
set shared profiles hip-objects <name> host-info criteria host-name is <value>
set shared profiles hip-objects <name> host-info criteria host-name is-not <value>
set shared profiles hip-objects <name> host-info criteria host-id
set shared profiles hip-objects <name> host-info criteria host-id
set shared profiles hip-objects <name> host-info criteria host-id contains <value>
set shared profiles hip-objects <name> host-info criteria host-id is <value>
set shared profiles hip-objects <name> host-info criteria host-id is-not <value>
set shared profiles hip-objects <name> host-info criteria managed <no|yes>
set shared profiles hip-objects <name> host-info criteria serial-number
set shared profiles hip-objects <name> host-info criteria serial-number
set shared profiles hip-objects <name> host-info criteria serial-number contains <value>
set shared profiles hip-objects <name> host-info criteria serial-number is <value>
set shared profiles hip-objects <name> host-info criteria serial-number is-not <value>
```

```

set shared profiles hip-objects <name> network-info
set shared profiles hip-objects <name> network-info criteria
set shared profiles hip-objects <name> network-info criteria network
set shared profiles hip-objects <name> network-info criteria network is
set shared profiles hip-objects <name> network-info criteria network is wifi
set shared profiles hip-objects <name> network-info criteria network is wifi ssid <value>
set shared profiles hip-objects <name> network-info criteria network is mobile
set shared profiles hip-objects <name> network-info criteria network is mobile carrier <value>
set shared profiles hip-objects <name> network-info criteria network is unknown
set shared profiles hip-objects <name> network-info criteria network is-not
set shared profiles hip-objects <name> network-info criteria network is-not wifi
set shared profiles hip-objects <name> network-info criteria network is-not wifi ssid <value>
set shared profiles hip-objects <name> network-info criteria network is-not mobile
set shared profiles hip-objects <name> network-info criteria network is-not mobile carrier
<value>
set shared profiles hip-objects <name> network-info criteria network is-not ethernet
set shared profiles hip-objects <name> network-info criteria network is-not unknown
set shared profiles hip-objects <name> patch-management
set shared profiles hip-objects <name> patch-management criteria
set shared profiles hip-objects <name> patch-management criteria is-installed <yes|no>
set shared profiles hip-objects <name> patch-management criteria is-enabled <no|yes|not-
available>
set shared profiles hip-objects <name> patch-management criteria missing-patches
set shared profiles hip-objects <name> patch-management criteria missing-patches severity
set shared profiles hip-objects <name> patch-management criteria missing-patches severity
set shared profiles hip-objects <name> patch-management criteria missing-patches severity
greater-equal <0-100000>
set shared profiles hip-objects <name> patch-management criteria missing-patches severity
greater-than <0-100000>
set shared profiles hip-objects <name> patch-management criteria missing-patches severity is
<0-100000>
set shared profiles hip-objects <name> patch-management criteria missing-patches severity is-not
<0-100000>
set shared profiles hip-objects <name> patch-management criteria missing-patches severity less-
equal <0-100000>

```

```

set shared profiles hip-objects <name> patch-management criteria missing-patches severity less-
than <0-100000>

set shared profiles hip-objects <name> patch-management criteria missing-patches patches
[ <patches1> <patches2>... ]

set shared profiles hip-objects <name> patch-management criteria missing-patches check <has-
any|has-none|has-all>

set shared profiles hip-objects <name> patch-management vendor

set shared profiles hip-objects <name> patch-management vendor <name>

set shared profiles hip-objects <name> patch-management vendor <name> product [ <product1>
<product2>... ]

set shared profiles hip-objects <name> patch-management exclude-vendor <yes|no>

set shared profiles hip-objects <name> data-loss-prevention

set shared profiles hip-objects <name> data-loss-prevention criteria

set shared profiles hip-objects <name> data-loss-prevention criteria is-installed <yes|no>

set shared profiles hip-objects <name> data-loss-prevention criteria is-enabled <no|yes|not-
available>

set shared profiles hip-objects <name> data-loss-prevention vendor

set shared profiles hip-objects <name> data-loss-prevention vendor <name>

set shared profiles hip-objects <name> data-loss-prevention vendor <name> product
[ <product1> <product2>... ]

set shared profiles hip-objects <name> data-loss-prevention exclude-vendor <yes|no>

set shared profiles hip-objects <name> firewall

set shared profiles hip-objects <name> firewall criteria

set shared profiles hip-objects <name> firewall criteria is-installed <yes|no>

set shared profiles hip-objects <name> firewall criteria is-enabled <no|yes|not-available>

set shared profiles hip-objects <name> firewall vendor

set shared profiles hip-objects <name> firewall vendor <name>

set shared profiles hip-objects <name> firewall vendor <name> product [ <product1>
<product2>... ]

set shared profiles hip-objects <name> firewall exclude-vendor <yes|no>

set shared profiles hip-objects <name> anti-malware

set shared profiles hip-objects <name> anti-malware criteria

set shared profiles hip-objects <name> anti-malware criteria virdef-version

set shared profiles hip-objects <name> anti-malware criteria virdef-version

set shared profiles hip-objects <name> anti-malware criteria virdef-version within

```

```

set shared profiles hip-objects <name> anti-malware criteria virdef-version within days
<1-65535>

set shared profiles hip-objects <name> anti-malware criteria virdef-version within versions
<1-65535>

set shared profiles hip-objects <name> anti-malware criteria virdef-version not-within
set shared profiles hip-objects <name> anti-malware criteria virdef-version not-within days
<1-65535>

set shared profiles hip-objects <name> anti-malware criteria virdef-version not-within versions
<1-65535>

set shared profiles hip-objects <name> anti-malware criteria product-version
set shared profiles hip-objects <name> anti-malware criteria product-version
set shared profiles hip-objects <name> anti-malware criteria product-version greater-equal
<value>

set shared profiles hip-objects <name> anti-malware criteria product-version greater-than
<value>

set shared profiles hip-objects <name> anti-malware criteria product-version is <value>
set shared profiles hip-objects <name> anti-malware criteria product-version is-not <value>
set shared profiles hip-objects <name> anti-malware criteria product-version less-equal <value>
set shared profiles hip-objects <name> anti-malware criteria product-version less-than <value>
set shared profiles hip-objects <name> anti-malware criteria product-version contains <value>
set shared profiles hip-objects <name> anti-malware criteria product-version within
set shared profiles hip-objects <name> anti-malware criteria product-version within versions
<1-1>

set shared profiles hip-objects <name> anti-malware criteria product-version not-within
set shared profiles hip-objects <name> anti-malware criteria product-version not-within versions
<1-1>

set shared profiles hip-objects <name> anti-malware criteria is-installed <yes|no>
set shared profiles hip-objects <name> anti-malware criteria real-time-protection <no|yes|not-
available>

set shared profiles hip-objects <name> anti-malware criteria last-scan-time
set shared profiles hip-objects <name> anti-malware criteria last-scan-time
set shared profiles hip-objects <name> anti-malware criteria last-scan-time not-available
set shared profiles hip-objects <name> anti-malware criteria last-scan-time within
set shared profiles hip-objects <name> anti-malware criteria last-scan-time within days
<1-65535>

set shared profiles hip-objects <name> anti-malware criteria last-scan-time within hours
<1-65535>

```

```

set shared profiles hip-objects <name> anti-malware criteria last-scan-time not-within
set shared profiles hip-objects <name> anti-malware criteria last-scan-time not-within days
<1-65535>
set shared profiles hip-objects <name> anti-malware criteria last-scan-time not-within hours
<1-65535>
set shared profiles hip-objects <name> anti-malware vendor
set shared profiles hip-objects <name> anti-malware vendor <name>
set shared profiles hip-objects <name> anti-malware vendor <name> product [ <product1>
<product2>... ]
set shared profiles hip-objects <name> anti-malware exclude-vendor <yes|no>
set shared profiles hip-objects <name> disk-backup
set shared profiles hip-objects <name> disk-backup criteria
set shared profiles hip-objects <name> disk-backup criteria is-installed <yes|no>
set shared profiles hip-objects <name> disk-backup criteria last-backup-time
set shared profiles hip-objects <name> disk-backup criteria last-backup-time
set shared profiles hip-objects <name> disk-backup criteria last-backup-time not-available
set shared profiles hip-objects <name> disk-backup criteria last-backup-time within
set shared profiles hip-objects <name> disk-backup criteria last-backup-time within days
<1-65535>
set shared profiles hip-objects <name> disk-backup criteria last-backup-time within hours
<1-65535>
set shared profiles hip-objects <name> disk-backup criteria last-backup-time not-within
set shared profiles hip-objects <name> disk-backup criteria last-backup-time not-within days
<1-65535>
set shared profiles hip-objects <name> disk-backup criteria last-backup-time not-within hours
<1-65535>
set shared profiles hip-objects <name> disk-backup vendor
set shared profiles hip-objects <name> disk-backup vendor <name>
set shared profiles hip-objects <name> disk-backup vendor <name> product [ <product1>
<product2>... ]
set shared profiles hip-objects <name> disk-backup exclude-vendor <yes|no>
set shared profiles hip-objects <name> disk-encryption
set shared profiles hip-objects <name> disk-encryption criteria
set shared profiles hip-objects <name> disk-encryption criteria is-installed <yes|no>
set shared profiles hip-objects <name> disk-encryption criteria encrypted-locations
set shared profiles hip-objects <name> disk-encryption criteria encrypted-locations <name>

```

```

set shared profiles hip-objects <name> disk-encryption criteria encrypted-locations <name>
encryption-state

set shared profiles hip-objects <name> disk-encryption criteria encrypted-locations <name>
encryption-state is <encrypted|unencrypted|partial|unknown>

set shared profiles hip-objects <name> disk-encryption criteria encrypted-locations <name>
encryption-state is-not <encrypted|unencrypted|partial|unknown>

set shared profiles hip-objects <name> disk-encryption vendor

set shared profiles hip-objects <name> disk-encryption vendor <name>

set shared profiles hip-objects <name> disk-encryption vendor <name> product [ <product1>
<product2>... ]

set shared profiles hip-objects <name> disk-encryption exclude-vendor <yes|no>

set shared profiles hip-objects <name> custom-checks

set shared profiles hip-objects <name> custom-checks criteria

set shared profiles hip-objects <name> custom-checks criteria process-list

set shared profiles hip-objects <name> custom-checks criteria process-list <name>

set shared profiles hip-objects <name> custom-checks criteria process-list <name> running <yes|
no>

set shared profiles hip-objects <name> custom-checks criteria registry-key

set shared profiles hip-objects <name> custom-checks criteria registry-key <name>

set shared profiles hip-objects <name> custom-checks criteria registry-key <name> default-value-
data <value>

set shared profiles hip-objects <name> custom-checks criteria registry-key <name> negate <yes|
no>

set shared profiles hip-objects <name> custom-checks criteria registry-key <name> registry-value

set shared profiles hip-objects <name> custom-checks criteria registry-key <name> registry-value
<name>

set shared profiles hip-objects <name> custom-checks criteria registry-key <name> registry-value
<name> value-data <value>

set shared profiles hip-objects <name> custom-checks criteria registry-key <name> registry-value
<name> negate <yes|no>

set shared profiles hip-objects <name> custom-checks criteria plist

set shared profiles hip-objects <name> custom-checks criteria plist <name>

set shared profiles hip-objects <name> custom-checks criteria plist <name> negate <yes|no>

set shared profiles hip-objects <name> custom-checks criteria plist <name> key

set shared profiles hip-objects <name> custom-checks criteria plist <name> key <name>

set shared profiles hip-objects <name> custom-checks criteria plist <name> key <name> value
<value>

```

```

set shared profiles hip-objects <name> custom-checks criteria plist <name> key <name> negate
<yes|no>
set shared profiles hip-objects <name> mobile-device
set shared profiles hip-objects <name> mobile-device criteria
set shared profiles hip-objects <name> mobile-device criteria jailbroken <no|yes>
set shared profiles hip-objects <name> mobile-device criteria disk-encrypted <no|yes>
set shared profiles hip-objects <name> mobile-device criteria passcode-set <no|yes>
set shared profiles hip-objects <name> mobile-device criteria last-checkin-time
set shared profiles hip-objects <name> mobile-device criteria last-checkin-time
set shared profiles hip-objects <name> mobile-device criteria last-checkin-time within
set shared profiles hip-objects <name> mobile-device criteria last-checkin-time within days
<1-365>
set shared profiles hip-objects <name> mobile-device criteria last-checkin-time not-within
set shared profiles hip-objects <name> mobile-device criteria last-checkin-time not-within days
<1-365>
set shared profiles hip-objects <name> mobile-device criteria imei
set shared profiles hip-objects <name> mobile-device criteria imei
set shared profiles hip-objects <name> mobile-device criteria imei contains <value>
set shared profiles hip-objects <name> mobile-device criteria imei is <value>
set shared profiles hip-objects <name> mobile-device criteria imei is-not <value>
set shared profiles hip-objects <name> mobile-device criteria model
set shared profiles hip-objects <name> mobile-device criteria model
set shared profiles hip-objects <name> mobile-device criteria model contains <value>
set shared profiles hip-objects <name> mobile-device criteria model is <value>
set shared profiles hip-objects <name> mobile-device criteria model is-not <value>
set shared profiles hip-objects <name> mobile-device criteria phone-number
set shared profiles hip-objects <name> mobile-device criteria phone-number
set shared profiles hip-objects <name> mobile-device criteria phone-number contains <value>
set shared profiles hip-objects <name> mobile-device criteria phone-number is <value>
set shared profiles hip-objects <name> mobile-device criteria phone-number is-not <value>
set shared profiles hip-objects <name> mobile-device criteria tag
set shared profiles hip-objects <name> mobile-device criteria tag
set shared profiles hip-objects <name> mobile-device criteria tag contains <value>
set shared profiles hip-objects <name> mobile-device criteria tag is <value>

```



```

set shared profiles hip-objects <name> mobile-device criteria tag is-not <value>
set shared profiles hip-objects <name> mobile-device criteria applications
set shared profiles hip-objects <name> mobile-device criteria applications has-malware
set shared profiles hip-objects <name> mobile-device criteria applications has-malware no
set shared profiles hip-objects <name> mobile-device criteria applications has-malware yes
set shared profiles hip-objects <name> mobile-device criteria applications has-malware yes
excludes
set shared profiles hip-objects <name> mobile-device criteria applications has-malware yes
excludes <name>
set shared profiles hip-objects <name> mobile-device criteria applications has-malware yes
excludes <name> package <value>
set shared profiles hip-objects <name> mobile-device criteria applications has-malware yes
excludes <name> hash <value>
set shared profiles hip-objects <name> mobile-device criteria applications has-unmanaged-app
<no|yes>
set shared profiles hip-objects <name> mobile-device criteria applications includes
set shared profiles hip-objects <name> mobile-device criteria applications includes <name>
set shared profiles hip-objects <name> mobile-device criteria applications includes <name>
package <value>
set shared profiles hip-objects <name> mobile-device criteria applications includes <name> hash
<value>
set shared profiles hip-objects <name> certificate
set shared profiles hip-objects <name> certificate criteria
set shared profiles hip-objects <name> certificate criteria certificate-profile <value>
set shared profiles hip-objects <name> certificate criteria certificate-attributes
set shared profiles hip-objects <name> certificate criteria certificate-attributes <name>
set shared profiles hip-objects <name> certificate criteria certificate-attributes <name> value
<value>
set shared profiles virus
set shared profiles virus <name>
set shared profiles virus <name> description <value>
set shared profiles virus <name> packet-capture <yes|no>
set shared profiles virus <name> mlav-engine-filebased-enabled
set shared profiles virus <name> mlav-engine-filebased-enabled <name>
set shared profiles virus <name> mlav-engine-filebased-enabled <name> mlav-policy-action
<enable|enable(alert-only)|disable>

```

```

set shared profiles virus <name> decoder
set shared profiles virus <name> decoder <name>
set shared profiles virus <name> decoder <name> action <default|allow|alert|drop|reset-client|
reset-server|reset-both>
set shared profiles virus <name> decoder <name> wildfire-action <default|allow|alert|drop|reset-
client|reset-server|reset-both>
set shared profiles virus <name> decoder <name> mlav-action <default|allow|alert|drop|reset-
client|reset-server|reset-both>
set shared profiles virus <name> application
set shared profiles virus <name> application <name>
set shared profiles virus <name> application <name> action <default|allow|alert|drop|reset-client|
reset-server|reset-both>
set shared profiles virus <name> threat-exception
set shared profiles virus <name> threat-exception <name>
set shared profiles virus <name> mlav-exception
set shared profiles virus <name> mlav-exception <name>
set shared profiles virus <name> mlav-exception <name> filename <value>
set shared profiles virus <name> mlav-exception <name> description <value>
set shared profiles spyware
set shared profiles spyware <name>
set shared profiles spyware <name> description <value>
set shared profiles spyware <name> botnet-domains
set shared profiles spyware <name> botnet-domains lists
set shared profiles spyware <name> botnet-domains lists <name>
set shared profiles spyware <name> botnet-domains lists <name> action
set shared profiles spyware <name> botnet-domains lists <name> action alert
set shared profiles spyware <name> botnet-domains lists <name> action allow
set shared profiles spyware <name> botnet-domains lists <name> action block
set shared profiles spyware <name> botnet-domains lists <name> action sinkhole
set shared profiles spyware <name> botnet-domains lists <name> packet-capture <disable|single-
packet|extended-capture>
set shared profiles spyware <name> botnet-domains dns-security-categories
set shared profiles spyware <name> botnet-domains dns-security-categories <name>
set shared profiles spyware <name> botnet-domains dns-security-categories <name> action
<default|allow|block|sinkhole>

```

```

set shared profiles spyware <name> botnet-domains dns-security-categories <name> log-level
<default|none|low|informational|medium|high|critical>

set shared profiles spyware <name> botnet-domains dns-security-categories <name> packet-
capture <disable|single-packet|extended-capture>

set shared profiles spyware <name> botnet-domains whitelist

set shared profiles spyware <name> botnet-domains whitelist <name>

set shared profiles spyware <name> botnet-domains whitelist <name> description <value>

set shared profiles spyware <name> botnet-domains sinkhole

set shared profiles spyware <name> botnet-domains sinkhole ipv4-address <value>|<127.0.0.1|
pan-sinkhole-default-ip>

set shared profiles spyware <name> botnet-domains sinkhole ipv6-address <ip/netmask>|<::1>

set shared profiles spyware <name> botnet-domains threat-exception

set shared profiles spyware <name> botnet-domains threat-exception <name>

set shared profiles spyware <name> rules

set shared profiles spyware <name> rules <name>

set shared profiles spyware <name> rules <name> threat-name <value>|<any>

set shared profiles spyware <name> rules <name> category <value>|<any>

set shared profiles spyware <name> rules <name> severity [ <severity1> <severity2>... ]

set shared profiles spyware <name> rules <name> action

set shared profiles spyware <name> rules <name> action default

set shared profiles spyware <name> rules <name> action allow

set shared profiles spyware <name> rules <name> action alert

set shared profiles spyware <name> rules <name> action drop

set shared profiles spyware <name> rules <name> action reset-client

set shared profiles spyware <name> rules <name> action reset-server

set shared profiles spyware <name> rules <name> action reset-both

set shared profiles spyware <name> rules <name> action block-ip

set shared profiles spyware <name> rules <name> action block-ip track-by <source|source-and-
destination>

set shared profiles spyware <name> rules <name> action block-ip duration <1-3600>

set shared profiles spyware <name> rules <name> packet-capture <disable|single-packet|
extended-capture>

set shared profiles spyware <name> threat-exception

set shared profiles spyware <name> threat-exception <name>

```

```

set shared profiles spyware <name> threat-exception <name> packet-capture <disable|single-
packet|extended-capture>
set shared profiles spyware <name> threat-exception <name> action
set shared profiles spyware <name> threat-exception <name> action default
set shared profiles spyware <name> threat-exception <name> action allow
set shared profiles spyware <name> threat-exception <name> action alert
set shared profiles spyware <name> threat-exception <name> action drop
set shared profiles spyware <name> threat-exception <name> action reset-both
set shared profiles spyware <name> threat-exception <name> action reset-client
set shared profiles spyware <name> threat-exception <name> action reset-server
set shared profiles spyware <name> threat-exception <name> action block-ip
set shared profiles spyware <name> threat-exception <name> action block-ip track-by <source|
source-and-destination>
set shared profiles spyware <name> threat-exception <name> action block-ip duration <1-3600>
set shared profiles spyware <name> threat-exception <name> exempt-ip
set shared profiles spyware <name> threat-exception <name> exempt-ip <name>
set shared profiles vulnerability
set shared profiles vulnerability <name>
set shared profiles vulnerability <name> description <value>
set shared profiles vulnerability <name> rules
set shared profiles vulnerability <name> rules <name>
set shared profiles vulnerability <name> rules <name> threat-name <value>|<any>
set shared profiles vulnerability <name> rules <name> cve [ <cve1> <cve2>... ]
set shared profiles vulnerability <name> rules <name> host <any|client|server>
set shared profiles vulnerability <name> rules <name> vendor-id [ <vendor-id1> <vendor-id2>... ]
set shared profiles vulnerability <name> rules <name> severity [ <severity1> <severity2>... ]
set shared profiles vulnerability <name> rules <name> category <value>|<any>
set shared profiles vulnerability <name> rules <name> action
set shared profiles vulnerability <name> rules <name> action default
set shared profiles vulnerability <name> rules <name> action allow
set shared profiles vulnerability <name> rules <name> action alert
set shared profiles vulnerability <name> rules <name> action drop
set shared profiles vulnerability <name> rules <name> action reset-client
set shared profiles vulnerability <name> rules <name> action reset-server

```

```

set shared profiles vulnerability <name> rules <name> action reset-both
set shared profiles vulnerability <name> rules <name> action block-ip
set shared profiles vulnerability <name> rules <name> action block-ip track-by <source|source-
and-destination>
set shared profiles vulnerability <name> rules <name> action block-ip duration <1-3600>
set shared profiles vulnerability <name> rules <name> packet-capture <disable|single-packet|
extended-capture>
set shared profiles vulnerability <name> threat-exception
set shared profiles vulnerability <name> threat-exception <name>
set shared profiles vulnerability <name> threat-exception <name> packet-capture <disable|single-
packet|extended-capture>
set shared profiles vulnerability <name> threat-exception <name> action
set shared profiles vulnerability <name> threat-exception <name> action default
set shared profiles vulnerability <name> threat-exception <name> action allow
set shared profiles vulnerability <name> threat-exception <name> action alert
set shared profiles vulnerability <name> threat-exception <name> action drop
set shared profiles vulnerability <name> threat-exception <name> action reset-client
set shared profiles vulnerability <name> threat-exception <name> action reset-server
set shared profiles vulnerability <name> threat-exception <name> action reset-both
set shared profiles vulnerability <name> threat-exception <name> action block-ip
set shared profiles vulnerability <name> threat-exception <name> action block-ip track-by
<source|source-and-destination>
set shared profiles vulnerability <name> threat-exception <name> action block-ip duration
<1-3600>
set shared profiles vulnerability <name> threat-exception <name> time-attribute
set shared profiles vulnerability <name> threat-exception <name> time-attribute interval
<1-3600>
set shared profiles vulnerability <name> threat-exception <name> time-attribute threshold
<1-65535>
set shared profiles vulnerability <name> threat-exception <name> time-attribute track-by
<source|destination|source-and-destination>
set shared profiles vulnerability <name> threat-exception <name> exempt-ip
set shared profiles vulnerability <name> threat-exception <name> exempt-ip <name>
set shared profiles url-filtering
set shared profiles url-filtering <name>
set shared profiles url-filtering <name> description <value>

```

```

set shared profiles url-filtering <name> allow [ <allow1> <allow2>... ]
set shared profiles url-filtering <name> alert [ <alert1> <alert2>... ]
set shared profiles url-filtering <name> block [ <block1> <block2>... ]
set shared profiles url-filtering <name> continue [ <continue1> <continue2>... ]
set shared profiles url-filtering <name> override [ <override1> <override2>... ]
set shared profiles url-filtering <name> credential-enforcement
set shared profiles url-filtering <name> credential-enforcement mode
set shared profiles url-filtering <name> credential-enforcement mode disabled
set shared profiles url-filtering <name> credential-enforcement mode ip-user
set shared profiles url-filtering <name> credential-enforcement mode domain-credentials
set shared profiles url-filtering <name> credential-enforcement mode group-mapping <value>
set shared profiles url-filtering <name> credential-enforcement log-severity <value>
set shared profiles url-filtering <name> credential-enforcement allow [ <allow1> <allow2>... ]
set shared profiles url-filtering <name> credential-enforcement alert [ <alert1> <alert2>... ]
set shared profiles url-filtering <name> credential-enforcement block [ <block1> <block2>... ]
set shared profiles url-filtering <name> credential-enforcement continue [ <continue1>
<continue2>... ]
set shared profiles url-filtering <name> enable-container-page <yes|no>
set shared profiles url-filtering <name> log-container-page-only <yes|no>
set shared profiles url-filtering <name> safe-search-enforcement <yes|no>
set shared profiles url-filtering <name> log-http-hdr-xff <yes|no>
set shared profiles url-filtering <name> log-http-hdr-user-agent <yes|no>
set shared profiles url-filtering <name> log-http-hdr-referer <yes|no>
set shared profiles url-filtering <name> http-header-insertion
set shared profiles url-filtering <name> http-header-insertion <name>
set shared profiles url-filtering <name> http-header-insertion <name> type
set shared profiles url-filtering <name> http-header-insertion <name> type <name>
set shared profiles url-filtering <name> http-header-insertion <name> type <name> headers
set shared profiles url-filtering <name> http-header-insertion <name> type <name> headers
<name>
set shared profiles url-filtering <name> http-header-insertion <name> type <name> headers
<name> header <value>
set shared profiles url-filtering <name> http-header-insertion <name> type <name> headers
<name> value <value>

```

```

set shared profiles url-filtering <name> http-header-insertion <name> type <name> headers
<name> log <yes|no>

set shared profiles url-filtering <name> http-header-insertion <name> type <name> domains
[ <domains1> <domains2>... ]

set shared profiles url-filtering <name> mlav-category-exception [ <mlav-category-exception1>
<mlav-category-exception2>... ]

set shared profiles url-filtering <name> mlav-engine-urlbased-enabled

set shared profiles url-filtering <name> mlav-engine-urlbased-enabled <name>

set shared profiles url-filtering <name> mlav-engine-urlbased-enabled <name> mlav-policy-action
<block|alert|allow>

set shared profiles file-blocking

set shared profiles file-blocking <name>

set shared profiles file-blocking <name> description <value>

set shared profiles file-blocking <name> rules

set shared profiles file-blocking <name> rules <name>

set shared profiles file-blocking <name> rules <name> application [ <application1>
<application2>... ]

set shared profiles file-blocking <name> rules <name> file-type [ <file-type1> <file-type2>... ]

set shared profiles file-blocking <name> rules <name> direction <upload|download|both>

set shared profiles file-blocking <name> rules <name> action <alert|block|continue>

set shared profiles wildfire-analysis

set shared profiles wildfire-analysis <name>

set shared profiles wildfire-analysis <name> description <value>

set shared profiles wildfire-analysis <name> rules

set shared profiles wildfire-analysis <name> rules <name>

set shared profiles wildfire-analysis <name> rules <name> application [ <application1>
<application2>... ]

set shared profiles wildfire-analysis <name> rules <name> file-type [ <file-type1> <file-type2>... ]

set shared profiles wildfire-analysis <name> rules <name> direction <upload|download|both>

set shared profiles wildfire-analysis <name> rules <name> analysis <public-cloud|private-cloud>

set shared profiles custom-url-category

set shared profiles custom-url-category <name>

set shared profiles custom-url-category <name> description <value>

set shared profiles custom-url-category <name> list [ <list1> <list2>... ]

set shared profiles custom-url-category <name> type <value>

```

```

set shared profiles data-objects
set shared profiles data-objects <name>
set shared profiles data-objects <name> description <value>
set shared profiles data-objects <name> pattern-type
set shared profiles data-objects <name> pattern-type predefined
set shared profiles data-objects <name> pattern-type predefined pattern
set shared profiles data-objects <name> pattern-type predefined pattern <name>
set shared profiles data-objects <name> pattern-type predefined pattern <name> file-type [ <file-
type1> <file-type2>... ]
set shared profiles data-objects <name> pattern-type regex
set shared profiles data-objects <name> pattern-type regex pattern
set shared profiles data-objects <name> pattern-type regex pattern <name>
set shared profiles data-objects <name> pattern-type regex pattern <name> file-type [ <file-
type1> <file-type2>... ]
set shared profiles data-objects <name> pattern-type regex pattern <name> regex <value>
set shared profiles data-objects <name> pattern-type file-properties
set shared profiles data-objects <name> pattern-type file-properties pattern
set shared profiles data-objects <name> pattern-type file-properties pattern <name>
set shared profiles data-objects <name> pattern-type file-properties pattern <name> file-type
<value>
set shared profiles data-objects <name> pattern-type file-properties pattern <name> file-property
<value>
set shared profiles data-objects <name> pattern-type file-properties pattern <name> property-
value <value>
set shared profiles data-filtering
set shared profiles data-filtering <name>
set shared profiles data-filtering <name> description <value>
set shared profiles data-filtering <name> data-capture <yes|no>
set shared profiles data-filtering <name> rules
set shared profiles data-filtering <name> rules <name>
set shared profiles data-filtering <name> rules <name> data-object <value>
set shared profiles data-filtering <name> rules <name> application [ <application1>
<application2>... ]
set shared profiles data-filtering <name> rules <name> file-type [ <file-type1> <file-type2>... ]
set shared profiles data-filtering <name> rules <name> direction <upload|download|both>

```



```

set shared profiles data-filtering <name> rules <name> alert-threshold <0-65535>
set shared profiles data-filtering <name> rules <name> block-threshold <0-65535>
set shared profiles data-filtering <name> rules <name> log-severity <value>
set shared profiles hip-profiles
set shared profiles hip-profiles <name>
set shared profiles hip-profiles <name> description <value>
set shared profiles hip-profiles <name> match <value>
set shared profiles dos-protection
set shared profiles dos-protection <name>
set shared profiles dos-protection <name> type <aggregate|classified>
set shared profiles dos-protection <name> description <value>
set shared profiles dos-protection <name> flood
set shared profiles dos-protection <name> flood tcp-syn
set shared profiles dos-protection <name> flood tcp-syn enable <yes|no>
set shared profiles dos-protection <name> flood tcp-syn
set shared profiles dos-protection <name> flood tcp-syn red
set shared profiles dos-protection <name> flood tcp-syn red alarm-rate <0-2000000>
set shared profiles dos-protection <name> flood tcp-syn red activate-rate <1-2000000>
set shared profiles dos-protection <name> flood tcp-syn red maximal-rate <1-2000000>
set shared profiles dos-protection <name> flood tcp-syn red block
set shared profiles dos-protection <name> flood tcp-syn red block duration <1-21600>
set shared profiles dos-protection <name> flood tcp-syn syn-cookies
set shared profiles dos-protection <name> flood tcp-syn syn-cookies alarm-rate <0-2000000>
set shared profiles dos-protection <name> flood tcp-syn syn-cookies activate-rate <0-2000000>
set shared profiles dos-protection <name> flood tcp-syn syn-cookies maximal-rate <1-2000000>
set shared profiles dos-protection <name> flood tcp-syn syn-cookies block
set shared profiles dos-protection <name> flood tcp-syn syn-cookies block duration <1-21600>
set shared profiles dos-protection <name> flood udp
set shared profiles dos-protection <name> flood udp enable <yes|no>
set shared profiles dos-protection <name> flood udp red
set shared profiles dos-protection <name> flood udp red alarm-rate <0-2000000>
set shared profiles dos-protection <name> flood udp red activate-rate <1-2000000>
set shared profiles dos-protection <name> flood udp red maximal-rate <1-2000000>

```

```

set shared profiles dos-protection <name> flood udp red block
set shared profiles dos-protection <name> flood udp red block duration <1-21600>
set shared profiles dos-protection <name> flood icmp
set shared profiles dos-protection <name> flood icmp enable <yes|no>
set shared profiles dos-protection <name> flood icmp red
set shared profiles dos-protection <name> flood icmp red alarm-rate <0-2000000>
set shared profiles dos-protection <name> flood icmp red activate-rate <1-2000000>
set shared profiles dos-protection <name> flood icmp red maximal-rate <1-2000000>
set shared profiles dos-protection <name> flood icmp red block
set shared profiles dos-protection <name> flood icmp red block duration <1-21600>
set shared profiles dos-protection <name> flood icmpv6
set shared profiles dos-protection <name> flood icmpv6 enable <yes|no>
set shared profiles dos-protection <name> flood icmpv6 red
set shared profiles dos-protection <name> flood icmpv6 red alarm-rate <0-2000000>
set shared profiles dos-protection <name> flood icmpv6 red activate-rate <1-2000000>
set shared profiles dos-protection <name> flood icmpv6 red maximal-rate <1-2000000>
set shared profiles dos-protection <name> flood icmpv6 red block
set shared profiles dos-protection <name> flood icmpv6 red block duration <1-21600>
set shared profiles dos-protection <name> flood other-ip
set shared profiles dos-protection <name> flood other-ip enable <yes|no>
set shared profiles dos-protection <name> flood other-ip red
set shared profiles dos-protection <name> flood other-ip red alarm-rate <0-2000000>
set shared profiles dos-protection <name> flood other-ip red activate-rate <1-2000000>
set shared profiles dos-protection <name> flood other-ip red maximal-rate <1-2000000>
set shared profiles dos-protection <name> flood other-ip red block
set shared profiles dos-protection <name> flood other-ip red block duration <1-21600>
set shared profiles dos-protection <name> resource
set shared profiles dos-protection <name> resource sessions
set shared profiles dos-protection <name> resource sessions enabled <yes|no>
set shared profiles dos-protection <name> resource sessions max-concurrent-limit <1-4194304>
set shared profiles sdwan-path-quality
set shared profiles sdwan-path-quality <name>
set shared profiles sdwan-path-quality <name> metric

```

```
set shared profiles sdwan-path-quality <name> metric latency
set shared profiles sdwan-path-quality <name> metric latency threshold <10-3000>
set shared profiles sdwan-path-quality <name> metric latency sensitivity <low|medium|high>
set shared profiles sdwan-path-quality <name> metric pkt-loss
set shared profiles sdwan-path-quality <name> metric pkt-loss threshold <1-100>
set shared profiles sdwan-path-quality <name> metric pkt-loss sensitivity <low|medium|high>
set shared profiles sdwan-path-quality <name> metric jitter
set shared profiles sdwan-path-quality <name> metric jitter threshold <10-2000>
set shared profiles sdwan-path-quality <name> metric jitter sensitivity <low|medium|high>
set shared profiles sdwan-traffic-distribution
set shared profiles sdwan-traffic-distribution <name>
set shared profiles sdwan-traffic-distribution <name> traffic-distribution <Best Available Path|Top
Down Priority|Weighted Session Distribution>
set shared profiles sdwan-traffic-distribution <name> link-tags
set shared profiles sdwan-traffic-distribution <name> link-tags <name>
set shared profiles sdwan-traffic-distribution <name> link-tags <name> weight <0-100>
set shared profiles sdwan-saas-quality
set shared profiles sdwan-saas-quality <name>
set shared profiles sdwan-saas-quality <name> monitor-mode
set shared profiles sdwan-saas-quality <name> monitor-mode
set shared profiles sdwan-saas-quality <name> monitor-mode adaptive
set shared profiles sdwan-saas-quality <name> monitor-mode static-ip
set shared profiles sdwan-saas-quality <name> monitor-mode static-ip
set shared profiles sdwan-saas-quality <name> monitor-mode static-ip ip-address
set shared profiles sdwan-saas-quality <name> monitor-mode static-ip ip-address <name>
set shared profiles sdwan-saas-quality <name> monitor-mode static-ip ip-address <name> probe-
interval <1-60>
set shared profiles sdwan-saas-quality <name> monitor-mode static-ip fqdn
set shared profiles sdwan-saas-quality <name> monitor-mode static-ip fqdn fqdn-name <value>
set shared profiles sdwan-saas-quality <name> monitor-mode static-ip fqdn probe-interval
<1-60>
set shared profiles sdwan-saas-quality <name> monitor-mode http-https
set shared profiles sdwan-saas-quality <name> monitor-mode http-https monitored-url <value>
set shared profiles sdwan-saas-quality <name> monitor-mode http-https probe-interval <3-60>
```

```

set shared profiles sdwan-error-correction
set shared profiles sdwan-error-correction <name>
set shared profiles sdwan-error-correction <name> activation-threshold <1-99>
set shared profiles sdwan-error-correction <name> mode
set shared profiles sdwan-error-correction <name> mode
set shared profiles sdwan-error-correction <name> mode forward-error-correction
set shared profiles sdwan-error-correction <name> mode forward-error-correction ratio <10%
(20:2)|20% (20:4)|30% (20:6)|40% (20:8)|50% (20:10)>
set shared profiles sdwan-error-correction <name> mode forward-error-correction recovery-
duration <1-5000>
set shared profiles sdwan-error-correction <name> mode packet-duplication
set shared profiles sdwan-error-correction <name> mode packet-duplication recovery-duration-
pd <1-5000>
set shared profiles decryption
set shared profiles decryption <name>
set shared profiles decryption <name> interface <value>
set shared profiles decryption <name> forwarded-only <yes|no>
set shared profiles decryption <name> ssl-forward-proxy
set shared profiles decryption <name> ssl-forward-proxy block-expired-certificate <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-untrusted-issuer <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-tls13-downgrade-no-resource
<yes|no>
set shared profiles decryption <name> ssl-forward-proxy restrict-cert-exts <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-unsupported-version <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-unsupported-cipher <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-client-cert <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-if-no-resource <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-if-hsm-unavailable <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-unknown-cert <yes|no>
set shared profiles decryption <name> ssl-forward-proxy block-timeout-cert <yes|no>
set shared profiles decryption <name> ssl-forward-proxy auto-include-altname <yes|no>
set shared profiles decryption <name> ssl-forward-proxy strip-alpn <yes|no>
set shared profiles decryption <name> ssl-inbound-proxy
set shared profiles decryption <name> ssl-inbound-proxy block-unsupported-version <yes|no>
set shared profiles decryption <name> ssl-inbound-proxy block-unsupported-cipher <yes|no>

```

```
set shared profiles decryption <name> ssl-inbound-proxy block-if-no-resource <yes|no>
set shared profiles decryption <name> ssl-inbound-proxy block-tls13-downgrade-no-resource
<yes|no>
set shared profiles decryption <name> ssl-inbound-proxy block-if-hsm-unavailable <yes|no>
set shared profiles decryption <name> ssl-protocol-settings
set shared profiles decryption <name> ssl-protocol-settings min-version <sslv3|tls1-0|tls1-1|
tls1-2|tls1-3>
set shared profiles decryption <name> ssl-protocol-settings max-version <sslv3|tls1-0|tls1-1|
tls1-2|tls1-3|max>
set shared profiles decryption <name> ssl-protocol-settings keyxchg-algo-rsa <yes|no>
set shared profiles decryption <name> ssl-protocol-settings keyxchg-algo-dhe <yes|no>
set shared profiles decryption <name> ssl-protocol-settings keyxchg-algo-ecdh <yes|no>
set shared profiles decryption <name> ssl-protocol-settings enc-algo-3des <yes|no>
set shared profiles decryption <name> ssl-protocol-settings enc-algo-rc4 <yes|no>
set shared profiles decryption <name> ssl-protocol-settings enc-algo-aes-128-cbc <yes|no>
set shared profiles decryption <name> ssl-protocol-settings enc-algo-aes-256-cbc <yes|no>
set shared profiles decryption <name> ssl-protocol-settings enc-algo-aes-128-gcm <yes|no>
set shared profiles decryption <name> ssl-protocol-settings enc-algo-aes-256-gcm <yes|no>
set shared profiles decryption <name> ssl-protocol-settings enc-algo-chacha20-poly1305 <yes|
no>
set shared profiles decryption <name> ssl-protocol-settings auth-algo-md5 <yes|no>
set shared profiles decryption <name> ssl-protocol-settings auth-algo-sha1 <yes|no>
set shared profiles decryption <name> ssl-protocol-settings auth-algo-sha256 <yes|no>
set shared profiles decryption <name> ssl-protocol-settings auth-algo-sha384 <yes|no>
set shared profiles decryption <name> ssl-no-proxy
set shared profiles decryption <name> ssl-no-proxy block-expired-certificate <yes|no>
set shared profiles decryption <name> ssl-no-proxy block-untrusted-issuer <yes|no>
set shared profiles decryption <name> ssh-proxy
set shared profiles decryption <name> ssh-proxy block-unsupported-version <yes|no>
set shared profiles decryption <name> ssh-proxy block-unsupported-alg <yes|no>
set shared profiles decryption <name> ssh-proxy block-ssh-errors <yes|no>
set shared profiles decryption <name> ssh-proxy block-if-no-resource <yes|no>
set shared profile-group
set shared profile-group <name>
set shared profile-group <name> virus [ <virus1> <virus2>... ]
```

```
set shared profile-group <name> spyware [ <spyware1> <spyware2>... ]
set shared profile-group <name> vulnerability [ <vulnerability1> <vulnerability2>... ]
set shared profile-group <name> url-filtering [ <url-filtering1> <url-filtering2>... ]
set shared profile-group <name> file-blocking [ <file-blocking1> <file-blocking2>... ]
set shared profile-group <name> wildfire-analysis [ <wildfire-analysis1> <wildfire-analysis2>... ]
set shared profile-group <name> data-filtering [ <data-filtering1> <data-filtering2>... ]
set shared schedule
set shared schedule <name>
set shared schedule <name> schedule-type
set shared schedule <name> schedule-type recurring
set shared schedule <name> schedule-type recurring weekly
set shared schedule <name> schedule-type recurring weekly sunday [ <sunday1> <sunday2>... ]
set shared schedule <name> schedule-type recurring weekly monday [ <monday1>
<monday2>... ]
set shared schedule <name> schedule-type recurring weekly tuesday [ <tuesday1> <tuesday2>... ]
set shared schedule <name> schedule-type recurring weekly wednesday [ <wednesday1>
<wednesday2>... ]
set shared schedule <name> schedule-type recurring weekly thursday [ <thursday1>
<thursday2>... ]
set shared schedule <name> schedule-type recurring weekly friday [ <friday1> <friday2>... ]
set shared schedule <name> schedule-type recurring weekly saturday [ <saturday1>
<saturday2>... ]
set shared schedule <name> schedule-type recurring daily [ <daily1> <daily2>... ]
set shared schedule <name> schedule-type non-recurring [ <non-recurring1> <non-
recurring2>... ]
set shared threats
set shared threats vulnerability
set shared threats vulnerability <name>
set shared threats vulnerability <name> threatname <value>
set shared threats vulnerability <name> affected-host
set shared threats vulnerability <name> affected-host client <yes|no>
set shared threats vulnerability <name> affected-host server <yes|no>
set shared threats vulnerability <name> comment <value>
set shared threats vulnerability <name> severity <value>
set shared threats vulnerability <name> direction <value>
```

```

set shared threats vulnerability <name> default-action
set shared threats vulnerability <name> default-action alert
set shared threats vulnerability <name> default-action drop
set shared threats vulnerability <name> default-action reset-client
set shared threats vulnerability <name> default-action reset-server
set shared threats vulnerability <name> default-action reset-both
set shared threats vulnerability <name> default-action block-ip
set shared threats vulnerability <name> default-action block-ip track-by <source|source-and-destination>
set shared threats vulnerability <name> default-action block-ip duration <1-3600>
set shared threats vulnerability <name> default-action allow
set shared threats vulnerability <name> cve [ <cve1> <cve2>... ]
set shared threats vulnerability <name> bugtraq [ <bugtraq1> <bugtraq2>... ]
set shared threats vulnerability <name> vendor [ <vendor1> <vendor2>... ]
set shared threats vulnerability <name> reference [ <reference1> <reference2>... ]
set shared threats vulnerability <name> signature
set shared threats vulnerability <name> signature standard
set shared threats vulnerability <name> signature standard <name>
set shared threats vulnerability <name> signature standard <name> comment <value>
set shared threats vulnerability <name> signature standard <name> scope <protocol-data-unit|session>
set shared threats vulnerability <name> signature standard <name> order-free <yes|no>
set shared threats vulnerability <name> signature standard <name> and-condition
set shared threats vulnerability <name> signature standard <name> and-condition <name>
set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition
set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name>
set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator
set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than
set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than context <value>
set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than value <0-4294967295>

```

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier <name>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier <name> value <1-127>|<value>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to context <value>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to value <0-4294967295>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier <name>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier <name> value <1-127>|<value>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than context <value>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than value <0-4294967295>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier <name>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier <name> value <1-127>|<value>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match context <value>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match pattern <value>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match negate <yes|no>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match qualifier


```

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match qualifier <name>

set shared threats vulnerability <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match qualifier <name> value <1-127>|<value>

set shared threats vulnerability <name> signature combination

set shared threats vulnerability <name> signature combination time-attribute

set shared threats vulnerability <name> signature combination time-attribute interval <1-3600>

set shared threats vulnerability <name> signature combination time-attribute threshold <1-255>

set shared threats vulnerability <name> signature combination time-attribute track-by <source|
destination|source-and-destination>

set shared threats vulnerability <name> signature combination order-free <yes|no>

set shared threats vulnerability <name> signature combination and-condition

set shared threats vulnerability <name> signature combination and-condition <name>

set shared threats vulnerability <name> signature combination and-condition <name> or-
condition

set shared threats vulnerability <name> signature combination and-condition <name> or-
condition <name>

set shared threats vulnerability <name> signature combination and-condition <name> or-
condition <name> threat-id <value>

set shared threats spyware

set shared threats spyware <name>

set shared threats spyware <name> threatname <value>

set shared threats spyware <name> comment <value>

set shared threats spyware <name> severity <value>

set shared threats spyware <name> direction <value>

set shared threats spyware <name> default-action

set shared threats spyware <name> default-action alert

set shared threats spyware <name> default-action drop

set shared threats spyware <name> default-action reset-client

set shared threats spyware <name> default-action reset-server

set shared threats spyware <name> default-action reset-both

set shared threats spyware <name> default-action block-ip

set shared threats spyware <name> default-action block-ip track-by <source|source-and-
destination>

set shared threats spyware <name> default-action block-ip duration <1-3600>

set shared threats spyware <name> default-action allow

```

```

set shared threats spyware <name> cve [ <cve1> <cve2>... ]
set shared threats spyware <name> bugtraq [ <bugtraq1> <bugtraq2>... ]
set shared threats spyware <name> vendor [ <vendor1> <vendor2>... ]
set shared threats spyware <name> reference [ <reference1> <reference2>... ]
set shared threats spyware <name> signature
set shared threats spyware <name> signature standard
set shared threats spyware <name> signature standard <name>
set shared threats spyware <name> signature standard <name> comment <value>
set shared threats spyware <name> signature standard <name> scope <protocol-data-unit|
session>
set shared threats spyware <name> signature standard <name> order-free <yes|no>
set shared threats spyware <name> signature standard <name> and-condition
set shared threats spyware <name> signature standard <name> and-condition <name>
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name>
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than value <0-4294967295>
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than context <value>
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than qualifier
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than qualifier <name>
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than qualifier <name> value <1-127>|<value>
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to value <0-4294967295>
set shared threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to context <value>

```

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier <name>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier <name> value <1-127>|<value>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than value <0-4294967295>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than context <value>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier <name>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator greater-than qualifier <name> value <1-127>|<value>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match context <value>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match pattern <value>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match negate <yes|no>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match qualifier

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match qualifier <name>

set shared threats spyware <name> signature standard <name> and-condition <name> or-condition <name> operator pattern-match qualifier <name> value <1-127>|<value>

set shared threats spyware <name> signature combination

set shared threats spyware <name> signature combination time-attribute

set shared threats spyware <name> signature combination time-attribute interval <1-3600>

set shared threats spyware <name> signature combination time-attribute threshold <1-255>

set shared threats spyware <name> signature combination time-attribute track-by <source|destination|source-and-destination>

set shared threats spyware <name> signature combination order-free <yes|no>

```
set shared threats spyware <name> signature combination and-condition
set shared threats spyware <name> signature combination and-condition <name>
set shared threats spyware <name> signature combination and-condition <name> or-condition
set shared threats spyware <name> signature combination and-condition <name> or-condition
<name>
set shared threats spyware <name> signature combination and-condition <name> or-condition
<name> threat-id <value>
set shared external-list
set shared external-list <name>
set shared external-list <name> type
set shared external-list <name> type predefined-ip
set shared external-list <name> type predefined-ip exception-list [ <exception-list1> <exception-
list2>... ]
set shared external-list <name> type predefined-ip description <value>
set shared external-list <name> type predefined-ip url <value>
set shared external-list <name> type predefined-url
set shared external-list <name> type predefined-url exception-list [ <exception-list1> <exception-
list2>... ]
set shared external-list <name> type predefined-url description <value>
set shared external-list <name> type predefined-url url <value>
set shared external-list <name> type ip
set shared external-list <name> type ip exception-list [ <exception-list1> <exception-list2>... ]
set shared external-list <name> type ip description <value>
set shared external-list <name> type ip url <value>
set shared external-list <name> type ip certificate-profile <value>|<None>
set shared external-list <name> type ip auth
set shared external-list <name> type ip auth username <value>
set shared external-list <name> type ip auth password <value>
set shared external-list <name> type ip recurring
set shared external-list <name> type ip recurring
set shared external-list <name> type ip recurring five-minute
set shared external-list <name> type ip recurring hourly
set shared external-list <name> type ip recurring daily
set shared external-list <name> type ip recurring daily at <value>
set shared external-list <name> type ip recurring weekly
```

```
set shared external-list <name> type ip recurring weekly day-of-week <sunday|monday|tuesday|
wednesday|thursday|friday|saturday>
set shared external-list <name> type ip recurring weekly at <value>
set shared external-list <name> type ip recurring monthly
set shared external-list <name> type ip recurring monthly day-of-month <1-31>
set shared external-list <name> type ip recurring monthly at <value>
set shared external-list <name> type domain
set shared external-list <name> type domain exception-list [ <exception-list1> <exception-
list2>... ]
set shared external-list <name> type domain description <value>
set shared external-list <name> type domain url <value>
set shared external-list <name> type domain certificate-profile <value>|<None>
set shared external-list <name> type domain auth
set shared external-list <name> type domain auth username <value>
set shared external-list <name> type domain auth password <value>
set shared external-list <name> type domain recurring
set shared external-list <name> type domain recurring
set shared external-list <name> type domain recurring hourly
set shared external-list <name> type domain recurring five-minute
set shared external-list <name> type domain recurring daily
set shared external-list <name> type domain recurring daily at <value>
set shared external-list <name> type domain recurring weekly
set shared external-list <name> type domain recurring weekly day-of-week <sunday|monday|
tuesday|wednesday|thursday|friday|saturday>
set shared external-list <name> type domain recurring weekly at <value>
set shared external-list <name> type domain recurring monthly
set shared external-list <name> type domain recurring monthly day-of-month <1-31>
set shared external-list <name> type domain recurring monthly at <value>
set shared external-list <name> type domain expand-domain <yes|no>
set shared external-list <name> type url
set shared external-list <name> type url exception-list [ <exception-list1> <exception-list2>... ]
set shared external-list <name> type url description <value>
set shared external-list <name> type url url <value>
set shared external-list <name> type url certificate-profile <value>|<None>
```

```

set shared external-list <name> type url auth
set shared external-list <name> type url auth username <value>
set shared external-list <name> type url auth password <value>
set shared external-list <name> type url recurring
set shared external-list <name> type url recurring
set shared external-list <name> type url recurring hourly
set shared external-list <name> type url recurring five-minute
set shared external-list <name> type url recurring daily
set shared external-list <name> type url recurring daily at <value>
set shared external-list <name> type url recurring weekly
set shared external-list <name> type url recurring weekly day-of-week <sunday|monday|tuesday|
wednesday|thursday|friday|saturday>
set shared external-list <name> type url recurring weekly at <value>
set shared external-list <name> type url recurring monthly
set shared external-list <name> type url recurring monthly day-of-month <1-31>
set shared external-list <name> type url recurring monthly at <value>
set shared tag
set shared tag <name>
set shared tag <name> color <color1|color2|color3|color4|color5|color6|color7|color8|color9|
color10|color11|color12|color13|color14|color15|color16|color17|color19|color20|color21|
color22|color23|color24|color25|color26|color27|color28|color29|color30|color31|color32|
color33|color34|color35|color36|color37|color38|color39|color40|color41|color42>
set shared tag <name> comments <value>
set shared authentication-object
set shared authentication-object <name>
set shared authentication-object <name> authentication-method <web-form|no-captive-portal|
browser-challenge>
set shared authentication-object <name> authentication-profile <value>
set shared authentication-object <name> message <value>
set shared global-protect
set shared global-protect clientless-app
set shared global-protect clientless-app <name>
set shared global-protect clientless-app <name> application-home-url <value>
set shared global-protect clientless-app <name> description <value>
set shared global-protect clientless-app <name> app-icon <value>

```

```
set shared global-protect clientless-app-group
set shared global-protect clientless-app-group <name>
set shared global-protect clientless-app-group <name> members [ <members1> <members2>... ]
set shared reports
set shared reports <name>
set shared reports <name> description <value>
set shared reports <name> disabled <yes|no>
set shared reports <name> query <value>
set shared reports <name> caption <value>
set shared reports <name> frequency <daily>
set shared reports <name> start-time <value>
set shared reports <name> end-time <value>
set shared reports <name> period <last-15-minutes|last-hour|last-6-hrs|last-12-hrs|last-24-
hrs|last-calendar-day|last-7-days|last-7-calendar-days|last-calendar-week|last-30-days|last-30-
calendar-days|last-60-days|last-60-calendar-days|last-90-days|last-90-calendar-days|last-
calendar-month>
set shared reports <name> topn <1-10000>
set shared reports <name> topm <1-50>
set shared reports <name> type
set shared reports <name> type appstat
set shared reports <name> type appstat aggregate-by [ <aggregate-by1> <aggregate-by2>... ]
set shared reports <name> type appstat group-by <serial|vsys_name|device_name|vsys|name|risk|
day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|subcategory-of-name|
category-of-name|risk-of-name|container-of-name|technology-of-name>
set shared reports <name> type appstat values [ <values1> <values2>... ]
set shared reports <name> type appstat labels [ <labels1> <labels2>... ]
set shared reports <name> type appstat sortby <nbytes|nconn|npkts|nthreats>
set shared reports <name> type decryption
set shared reports <name> type decryption aggregate-by [ <aggregate-by1> <aggregate-by2>... ]
set shared reports <name> type decryption group-by <serial|time_generated|src|dst|natsrc|
natdst|rule|srcuser|dstuser|srcloc|dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|
nat sport|natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-app|subcategory-
of-app|technology-of-app|container-of-app|risk-of-app|vsys_name|device_name|tls_version|
tls_keyxchg|tls_enc|tls_auth|ec_curve|err_index|root_status|proxy_type|policy_name|cn|issuer_cn|
root_cn|snl|error|src_dag|dst_dag|src_edl|dst_edl|container_id|pod_namespace|pod_name|
src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|
dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|day-
of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time>
```

set shared reports <name> type decryption values [<values1> <values2>...]

set shared reports <name> type decryption labels [<labels1> <labels2>...]

set shared reports <name> type decryption sortby <repeatcnt|nunique-of-src_profile|nunique-of-dst_profile>

set shared reports <name> type desum

set shared reports <name> type desum aggregate-by [<aggregate-by1> <aggregate-by2>...]

set shared reports <name> type desum group-by <serial|time_generated|vsys_name|device_name|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|app|src|dst|srcuser|dstuser|vsys|tls_version|tls_keyxchg|tls_enc|tls_auth|snl|error|err_index|src_edl|dst_edl|container_id|pod_namespace|pod_name|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time>

set shared reports <name> type desum values [<values1> <values2>...]

set shared reports <name> type desum labels [<labels1> <labels2>...]

set shared reports <name> type desum sortby <repeatcnt|nunique-of-src_profile|nunique-of-dst_profile>

set shared reports <name> type threat

set shared reports <name> type threat aggregate-by [<aggregate-by1> <aggregate-by2>...]

set shared reports <name> type threat group-by <serial|time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|nat sport|natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|vsys_name|device_name|parent_session_id|parent_start_time|threatid|category|severity|direction|http_method|nssai_sst|filedigest|filetype|http2_connection|xff_ip|threat_name|src_edl|dst_edl|dynusergroup_name|hostid|partial_hash|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|misc|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|pbf-s2c|pbf-c2s|flag-nat|flag-pcap|subtype|transaction|captive-portal|flag-proxy|non-std-dport|tunnelid|monitortag|users|category-of-threatid|threat-type>

set shared reports <name> type threat values [<values1> <values2>...]

set shared reports <name> type threat labels [<labels1> <labels2>...]

set shared reports <name> type threat sortby <repeatcnt|nunique-of-users|nunique-of-src_profile|nunique-of-dst_profile>

set shared reports <name> type url

set shared reports <name> type url aggregate-by [<aggregate-by1> <aggregate-by2>...]

set shared reports <name> type url group-by <action|app|category|category-of-app|direction|dport|dst|dstuser|from|inbound_if|misc|http_headers|natdport|natdst|nat sport|nat src|outbound_if|proto|risk-of-app|rule|rule_uuid|severity|sport|src|srcuser|subcategory-of-app|technology-of-app|container-of-app|to|dstloc|srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|


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day-of-receive_time|contenttype|user_agent|device_name|vsys_name|url|tunnelid|monitortag|
parent_session_id|parent_start_time|http2_connection|tunnel|http_method|url_category_list|
xff_ip|container_id|pod_namespace|pod_name|src_dag|dst_dag|src_edl|dst_edl|src_category|
src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|
dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac>

set shared reports <name> type url values [ <values1> <values2>... ]

set shared reports <name> type url labels [ <labels1> <labels2>... ]

set shared reports <name> type url sortby <repeatcnt|nunique-of-users>

set shared reports <name> type wildfire

set shared reports <name> type wildfire aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type wildfire group-by <app|category|category-of-app|dport|dst|
dstuser|from|inbound_if|misc|natdport|natdst|natport|natsrc|outbound_if|proto|risk-of-app|rule|
rule_uuid|sport|src|srcuser|subcategory-of-app|technology-of-app|container-of-app|to|dstloc|
srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-receive_time|vsys_name|
device_name|filetype|filename|filedigest|tunnelid|monitortag|parent_session_id|parent_start_time|
http2_connection|tunnel|xff_ip|src_dag|dst_dag|src_edl|dst_edl>

set shared reports <name> type wildfire values [ <values1> <values2>... ]

set shared reports <name> type wildfire labels [ <labels1> <labels2>... ]

set shared reports <name> type wildfire sortby <repeatcnt|nunique-of-users>

set shared reports <name> type data

set shared reports <name> type data aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type data group-by <action|app|category-of-app|direction|dport|dst|
dstuser|from|inbound_if|misc|natdport|natdst|natport|natsrc|outbound_if|proto|risk-of-app|rule|
rule_uuid|severity|sport|src|srcuser|subcategory-of-app|subtype|technology-of-app|container-
of-app|threatid|to|dstloc|srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-
receive_time|vsys_name|device_name|data-type|filename|tunnelid|monitortag|parent_session_id|
parent_start_time|http2_connection|tunnel|xff_ip|src_dag|dst_dag|src_edl|dst_edl|src_category|
src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|
dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac>

set shared reports <name> type data values [ <values1> <values2>... ]

set shared reports <name> type data labels [ <labels1> <labels2>... ]

set shared reports <name> type data sortby <repeatcnt|nunique-of-users>

set shared reports <name> type thsum

set shared reports <name> type thsum aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type thsum group-by <serial|time_generated|vsys_name|device_name|
app|src|dst|rule|threatid|srcuser|dstuser|srcloc|dstloc|xff_ip|vsys|from|to|dev_serial|dport|action|
severity|inbound_if|outbound_if|category|category-of-app|subcategory-of-app|technology-of-
app|container-of-app|risk-of-app|parent_session_id|parent_start_time|tunnel|direction|assoc_id|
ppid|http2_connection|rule_uuid|threat_name|src_edl|dst_edl|hostid|dynusergroup_name|
nssai_sst|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|
src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|

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dst_mac|container_id|pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|subtype|tunnelid|monitortag|category-of-threatid|threat-type>

set shared reports <name> type thsum values [<values1> <values2>...]

set shared reports <name> type thsum labels [<labels1> <labels2>...]

set shared reports <name> type thsum sortby <sessions|count|nunique-of-apps|nunique-of-users|nunique-of-src_profile|nunique-of-dst_profile>

set shared reports <name> type traffic

set shared reports <name> type traffic aggregate-by [<aggregate-by1> <aggregate-by2>...]

set shared reports <name> type traffic group-by <serial|time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|vsys_name|device_name|parent_session_id|parent_start_time|category|session_end_reason|action_source|nssai_sst|nssai_sd|http2_connection|xff_ip|dynusergroup_name|src_edl|dst_edl|hostid|session_owner|policy_id|offloaded|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|pbf-s2c|pbf-c2s|decrypt-mirror|threat-type|flag-nat|flag-pcap|captive-portal|flag-proxy|non-std-dport|transaction|sym-return|sessionid|flag-decrypt-fwd|tunnelid|monitortag>

set shared reports <name> type traffic values [<values1> <values2>...]

set shared reports <name> type traffic labels [<labels1> <labels2>...]

set shared reports <name> type traffic sortby <repeatcnt|bytes|bytes_sent|bytes_received|packets|pkts_sent|pkts_received|chunks|chunks_sent|chunks_received|nunique-of-users|elapsed|nunique-of-src_profile|nunique-of-dst_profile>

set shared reports <name> type urlsum

set shared reports <name> type urlsum aggregate-by [<aggregate-by1> <aggregate-by2>...]

set shared reports <name> type urlsum group-by <serial|time_generated|vsys_name|device_name|app|category|src|dst|rule|srcuser|dstuser|srcloc|dstloc|vsys|from|to|dev_serial|inbound_if|outbound_if|dport|action|tunnel|url_domain|user_agent|http_method|http2_connection|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|parent_session_id|parent_start_time|rule_uuid|xff_ip|src_edl|dst_edl|hostid|dynusergroup_name|nssai_sst|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|url_category_list|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|tunnelid|monitortag>

set shared reports <name> type urlsum values [<values1> <values2>...]

set shared reports <name> type urlsum labels [<labels1> <labels2>...]

set shared reports <name> type urlsum sortby <repeatcnt|nunique-of-users|nunique-of-src_profile|nunique-of-dst_profile>

set shared reports <name> type trsum

```
set shared reports <name> type trsum aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type trsum group-by <serial|time_generated|vsys_name|device_name|
app|src|dst|xff_ip|rule|srcuser|dstuser|srcloc|dstloc|category|vsys|from|to|dev_serial|dport|action|
tunnel|inbound_if|outbound_if|category-of-app|subcategory-of-app|technology-of-app|container-
of-app|risk-of-app|parent_session_id|parent_start_time|assoc_id|http2_connection|rule_uuid|
src_edl|dst_edl|dynusergroup_name|s_decrypted|s_encrypted|hostid|nssai_sst|src_category|
src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|
dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|
pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-
hour-of-receive_time|tunnelid|monitortag|standard-ports-of-app>

set shared reports <name> type trsum values [ <values1> <values2>... ]

set shared reports <name> type trsum labels [ <labels1> <labels2>... ]

set shared reports <name> type trsum sortby <bytes|sessions|bytes_sent|bytes_received|nthreats|
nftrans|ndpmatches|nurlcount|chunks|chunks_sent|chunks_received|ncontent|nunique-of-apps|
nunique-of-users|nunique-of-src_profile|nunique-of-dst_profile>

set shared reports <name> type tunnel

set shared reports <name> type tunnel aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type tunnel group-by <action|app|category-of-app|dport|dst|dstuser|
from|inbound_if|natdport|natdst|natsport|natsrc|outbound_if|proto|risk-of-app|rule|rule_uuid|
sessionid|sport|src|srcuser|subcategory-of-app|technology-of-app|container-of-app|to|dstloc|
srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-receive_time|vsys_name|
device_name|tunnelid|monitortag|parent_session_id|parent_start_time|session_end_reason|
action_source|tunnel|tunnel_insp_rule|src_dag|dst_dag|src_edl|dst_edl>

set shared reports <name> type tunnel values [ <values1> <values2>... ]

set shared reports <name> type tunnel labels [ <labels1> <labels2>... ]

set shared reports <name> type tunnel sortby <repeatcnt|bytes|bytes_sent|bytes_received|
packets|pkts_sent|pkts_received|max_encap|unknown_proto|strict_check|tunnel_fragment|
sessions_created|sessions_closed|nunique-of-users>

set shared reports <name> type tunnelsum

set shared reports <name> type tunnelsum aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type tunnelsum group-by <action|app|category-of-app|dst|risk-of-
app|rule|rule_uuid|src|subcategory-of-app|technology-of-app|container-of-app|dstloc|srcloc|
vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-receive_time|serial|vsys_name|
device_name|tunnelid|monitortag|parent_session_id|parent_start_time|tunnel|tunnel_insp_rule|
src_dag|dst_dag|src_edl|dst_edl>

set shared reports <name> type tunnelsum values [ <values1> <values2>... ]

set shared reports <name> type tunnelsum labels [ <labels1> <labels2>... ]

set shared reports <name> type tunnelsum sortby <repeatcnt|bytes|bytes_sent|bytes_received>

set shared reports <name> type userid

set shared reports <name> type userid aggregate-by [ <aggregate-by1> <aggregate-by2>... ]
```

```
set shared reports <name> type userid group-by <serial|time_generated|vsys_name|device_name|
vsys|ip|user|datasourcename|beginport|endport|datasource|datasourcetype|factortype|
factorcompletiontime|factorno|tag_name|day-of-receive_time|hour-of-receive_time|quarter-hour-
of-receive_time|subtype>

set shared reports <name> type userid values [ <values1> <values2>... ]

set shared reports <name> type userid labels [ <labels1> <labels2>... ]

set shared reports <name> type userid sortby <repeatcnt|factortype|factorcompletiontime>

set shared reports <name> type auth

set shared reports <name> type auth aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type auth group-by <serial|time_generated|vsys_name|device_name|
vsys|ip|user|normalize_user|object|authpolicy|authid|vendor|clienttype|event|factorno|authproto|
rule_uuid|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|
src_mac|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|serverprofile|
desc>

set shared reports <name> type auth values [ <values1> <values2>... ]

set shared reports <name> type auth labels [ <labels1> <labels2>... ]

set shared reports <name> type auth sortby <repeatcnt|time_generated|vendor>

set shared reports <name> type iptag

set shared reports <name> type iptag aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type iptag group-by <serial|time_generated|vsys_name|device_name|
vsys|ip|tag_name|event_id|datasourcename|datasource_type|datasource_subtype|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time>

set shared reports <name> type iptag values [ <values1> <values2>... ]

set shared reports <name> type iptag labels [ <labels1> <labels2>... ]

set shared reports <name> type iptag sortby <repeatcnt|time_generated>

set shared reports <name> type hipmatch

set shared reports <name> type hipmatch aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set shared reports <name> type hipmatch group-by <serial|time_generated|vsys_name|
device_name|srcuser|vsys|machinename|src|matchname|os|matchtype|srcip|hostid|mac|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time>

set shared reports <name> type hipmatch values [ <values1> <values2>... ]

set shared reports <name> type hipmatch labels [ <labels1> <labels2>... ]

set shared reports <name> type hipmatch sortby <repeatcnt>

set shared reports <name> type hipmatch last-match-by <>

set shared reports <name> type globalprotect

set shared reports <name> type globalprotect aggregate-by [ <aggregate-by1> <aggregate-
by2>... ]
```

```

set shared reports <name> type globalprotect group-by <serial|time_generated|vsys_name|
device_name|vsys|eventid|status|stage|auth_method|tunnel_type|portal|srcuser|srcregion|
machinename|public_ip|public_ipv6|private_ip|private_ipv6|hostid|serialnumber|client_ver|
client_os|client_os_ver|login_duration|connect_method|reason|error_code|error|opaque|gateway|
selection_type|response_time|priority|attempted_gateways|day-of-receive_time|hour-of-
receive_time|quarter-hour-of-receive_time>

set shared reports <name> type globalprotect values [ <values1> <values2>... ]

set shared reports <name> type globalprotect labels [ <labels1> <labels2>... ]

set shared reports <name> type globalprotect sortby <repeatcnt|nunique-of-ips|nunique-of-
gateways|nunique-of-users|nunique-of-hostid>

set shared report-group

set shared report-group <name>

set shared report-group <name> title-page <yes|no>

set shared report-group <name>

set shared report-group <name> predefined <user-activity-report|saas-application-usage-report>

set shared report-group <name> custom-widget

set shared report-group <name> custom-widget <name>

set shared report-group <name> custom-widget <name>

set shared report-group <name> custom-widget <name> predefined-report <value>

set shared report-group <name> custom-widget <name> custom-report <value>

set shared report-group <name> custom-widget <name> pdf-summary-report <value>

set shared report-group <name> custom-widget <name> log-view <value>

set shared report-group <name> custom-widget <name> csv <value>

set shared report-group <name>

set shared report-group <name> all

set shared report-group <name> all entry

set shared report-group <name> all entry include-user-groups-info <yes|no>

set shared report-group <name> all entry user-groups [ <user-groups1> <user-groups2>... ]

set shared report-group <name> selected-zone

set shared report-group <name> selected-zone entry

set shared report-group <name> selected-zone entry include-user-groups-info <yes|no>

set shared report-group <name> selected-zone entry user-groups [ <user-groups1> <user-
groups2>... ]

set shared report-group <name> selected-zone entry zone <value>

set shared report-group <name> selected-user-group

set shared report-group <name> selected-user-group entry

```

```

set shared report-group <name> selected-user-group entry user-group <value>
set shared report-group <name> variable
set shared report-group <name> variable <name>
set shared report-group <name> variable <name> value <value>
set shared pdf-summary-report
set shared pdf-summary-report <name>
set shared pdf-summary-report <name> header
set shared pdf-summary-report <name> header caption <value>
set shared pdf-summary-report <name> footer
set shared pdf-summary-report <name> footer note <value>
set shared pdf-summary-report <name> predefined-widget
set shared pdf-summary-report <name> predefined-widget <name>
set shared pdf-summary-report <name> predefined-widget <name> chart-type <pie|line|bar|
table>
set shared pdf-summary-report <name> predefined-widget <name> row <1-6>
set shared pdf-summary-report <name> predefined-widget <name> column <1-3>
set shared pdf-summary-report <name> custom-widget
set shared pdf-summary-report <name> custom-widget <name>
set shared pdf-summary-report <name> custom-widget <name> chart-type <pie|line|bar|table>
set shared pdf-summary-report <name> custom-widget <name> row <1-6>
set shared pdf-summary-report <name> custom-widget <name> column <1-3>
set shared email-scheduler
set shared email-scheduler <name>
set shared email-scheduler <name> report-group <value>
set shared email-scheduler <name> email-profile <value>
set shared email-scheduler <name> recipient-emails <value>
set shared email-scheduler <name> recurring
set shared email-scheduler <name> recurring disabled
set shared email-scheduler <name> recurring daily
set shared email-scheduler <name> recurring weekly <sunday|monday|tuesday|wednesday|
thursday|friday|saturday>
set shared email-scheduler <name> recurring monthly <1-31>
set shared botnet
set shared botnet configuration

```

```
set shared botnet configuration http
set shared botnet configuration http malware-sites
set shared botnet configuration http malware-sites enabled <yes|no>
set shared botnet configuration http malware-sites threshold <2-1000>
set shared botnet configuration http dynamic-dns
set shared botnet configuration http dynamic-dns enabled <yes|no>
set shared botnet configuration http dynamic-dns threshold <2-1000>
set shared botnet configuration http ip-domains
set shared botnet configuration http ip-domains enabled <yes|no>
set shared botnet configuration http ip-domains threshold <2-1000>
set shared botnet configuration http recent-domains
set shared botnet configuration http recent-domains enabled <yes|no>
set shared botnet configuration http recent-domains threshold <2-1000>
set shared botnet configuration http executables-from-unknown-sites
set shared botnet configuration http executables-from-unknown-sites enabled <yes|no>
set shared botnet configuration http executables-from-unknown-sites threshold <2-1000>
set shared botnet configuration unknown-applications
set shared botnet configuration unknown-applications unknown-tcp
set shared botnet configuration unknown-applications unknown-tcp sessions-per-hour <1-3600>
set shared botnet configuration unknown-applications unknown-tcp destinations-per-hour
<1-3600>
set shared botnet configuration unknown-applications unknown-tcp session-length
set shared botnet configuration unknown-applications unknown-tcp session-length minimum-
bytes <1-200>
set shared botnet configuration unknown-applications unknown-tcp session-length maximum-
bytes <1-200>
set shared botnet configuration unknown-applications unknown-udp
set shared botnet configuration unknown-applications unknown-udp sessions-per-hour <1-3600>
set shared botnet configuration unknown-applications unknown-udp destinations-per-hour
<1-3600>
set shared botnet configuration unknown-applications unknown-udp session-length
set shared botnet configuration unknown-applications unknown-udp session-length minimum-
bytes <1-200>
set shared botnet configuration unknown-applications unknown-udp session-length maximum-
bytes <1-200>
```

```

set shared botnet configuration other-applications
set shared botnet configuration other-applications irc <yes|no>
set shared botnet report
set shared botnet report scheduled <yes|no>
set shared botnet report topn <1-500>
set shared botnet report query <value>
set shared override
set shared override application
set shared override application <name>
set shared override application <name> timeout <0-604800>
set shared override application <name> tcp-timeout <0-604800>
set shared override application <name> tcp-half-closed-timeout <1-604800>
set shared override application <name> tcp-time-wait-timeout <1-600>
set shared override application <name> udp-timeout <0-604800>
set shared override application <name> risk <1-5>
set shared override application <name> no-appid-caching <yes|no>
set shared alg-override
set shared alg-override application
set shared alg-override application <name>
set shared alg-override application <name> alg-disabled <yes|no>
set shared authentication-profile
set shared authentication-profile <name>
set shared authentication-profile <name> username-modifier <value>|<validate>|<%USERINPUT
%|%USERINPUT%@%USERDOMAIN%|%USERDOMAIN%\%USERINPUT%>
set shared authentication-profile <name> user-domain <value>
set shared authentication-profile <name> single-sign-on
set shared authentication-profile <name> single-sign-on realm <value>
set shared authentication-profile <name> single-sign-on service-principal <value>
set shared authentication-profile <name> single-sign-on kerberos-keytab <value>
set shared authentication-profile <name> single-sign-on kerberos-keytab <value>
set shared authentication-profile <name> lockout
set shared authentication-profile <name> lockout failed-attempts <0-10>
set shared authentication-profile <name> lockout lockout-time <0-60>
set shared authentication-profile <name> allow-list [ <allow-list1> <allow-list2>... ]

```



```
set shared authentication-profile <name> method
set shared authentication-profile <name> method none
set shared authentication-profile <name> method cloud
set shared authentication-profile <name> method cloud region
set shared authentication-profile <name> method cloud region region_id <value>
set shared authentication-profile <name> method cloud region tenant
set shared authentication-profile <name> method cloud region tenant tenant_id <value>
set shared authentication-profile <name> method cloud region tenant profile
set shared authentication-profile <name> method cloud region tenant profile profile_id <value>
set shared authentication-profile <name> method cloud region tenant profile mfa
set shared authentication-profile <name> method cloud region tenant profile mfa force-mfa
<value>
set shared authentication-profile <name> method cloud clock-skew <1-900>
set shared authentication-profile <name> method local-database
set shared authentication-profile <name> method radius
set shared authentication-profile <name> method radius server-profile <value>
set shared authentication-profile <name> method radius checkgroup <yes|no>
set shared authentication-profile <name> method ldap
set shared authentication-profile <name> method ldap server-profile <value>
set shared authentication-profile <name> method ldap login-attribute <value>
set shared authentication-profile <name> method ldap passwd-exp-days <0-255>
set shared authentication-profile <name> method kerberos
set shared authentication-profile <name> method kerberos server-profile <value>
set shared authentication-profile <name> method kerberos realm <value>
set shared authentication-profile <name> method tacplus
set shared authentication-profile <name> method tacplus server-profile <value>
set shared authentication-profile <name> method tacplus checkgroup <yes|no>
set shared authentication-profile <name> method saml-idp
set shared authentication-profile <name> method saml-idp server-profile <value>
set shared authentication-profile <name> method saml-idp enable-single-logout <yes|no>
set shared authentication-profile <name> method saml-idp request-signing-certificate <value>
set shared authentication-profile <name> method saml-idp certificate-profile <value>
set shared authentication-profile <name> method saml-idp attribute-name-username <value>
set shared authentication-profile <name> method saml-idp attribute-name-usergroup <value>
```

```

set shared authentication-profile <name> method saml-idp attribute-name-admin-role <value>
set shared authentication-profile <name> method saml-idp attribute-name-access-domain
<value>
set shared authentication-profile <name> multi-factor-auth
set shared authentication-profile <name> multi-factor-auth mfa-enable <yes|no>
set shared authentication-profile <name> multi-factor-auth factors [ <factors1> <factors2>... ]
set shared authentication-sequence
set shared authentication-sequence <name>
set shared authentication-sequence <name> use-domain-find-profile <yes|no>
set shared authentication-sequence <name> authentication-profiles [ <authentication-profiles1>
<authentication-profiles2>... ]
set shared certificate-profile
set shared certificate-profile <name>
set shared certificate-profile <name> username-field
set shared certificate-profile <name> username-field subject <common-name>
set shared certificate-profile <name> username-field subject-alt <email|principal-name>
set shared certificate-profile <name> domain <value>
set shared certificate-profile <name> CA
set shared certificate-profile <name> CA <name>
set shared certificate-profile <name> CA <name> default-ocsp-url <value>
set shared certificate-profile <name> CA <name> ocsp-verify-cert <value>
set shared certificate-profile <name> CA <name> template-name <value>
set shared certificate-profile <name> use-crl <yes|no>
set shared certificate-profile <name> use-ocsp <yes|no>
set shared certificate-profile <name> crl-receive-timeout <1-60>
set shared certificate-profile <name> ocsp-receive-timeout <1-60>
set shared certificate-profile <name> ocsp-exclude-nonce <yes|no>
set shared certificate-profile <name> cert-status-timeout <0-60>
set shared certificate-profile <name> block-unknown-cert <yes|no>
set shared certificate-profile <name> block-timeout-cert <yes|no>
set shared certificate-profile <name> block-unauthenticated-cert <yes|no>
set shared certificate-profile <name> block-expired-cert <yes|no>
set shared server-profile
set shared server-profile ldap

```

```
set shared server-profile ldap <name>
set shared server-profile ldap <name> admin-use-only <yes|no>
set shared server-profile ldap <name> ldap-type <active-directory|e-directory|sun|other>
set shared server-profile ldap <name> server
set shared server-profile ldap <name> server <name>
set shared server-profile ldap <name> server <name> address <ip/netmask>|<value>
set shared server-profile ldap <name> server <name> port <1-65535>
set shared server-profile ldap <name> ssl <yes|no>
set shared server-profile ldap <name> ssl <yes>
set shared server-profile ldap <name> verify-server-certificate <yes|no>
set shared server-profile ldap <name> disabled <yes|no>
set shared server-profile ldap <name> base <value>
set shared server-profile ldap <name> bind-dn <value>
set shared server-profile ldap <name> bind-password <value>
set shared server-profile ldap <name> timelimit <1-30>
set shared server-profile ldap <name> bind-timelimit <1-60>
set shared server-profile ldap <name> retry-interval <60-3600>
set shared server-profile radius
set shared server-profile radius <name>
set shared server-profile radius <name> admin-use-only <yes|no>
set shared server-profile radius <name> timeout <1-120>
set shared server-profile radius <name> retries <1-5>
set shared server-profile radius <name> protocol
set shared server-profile radius <name> protocol CHAP
set shared server-profile radius <name> protocol PAP
set shared server-profile radius <name> protocol PEAP-MSCHAPv2
set shared server-profile radius <name> protocol PEAP-MSCHAPv2 anon-outer-id <yes|no>
set shared server-profile radius <name> protocol PEAP-MSCHAPv2 allow-pwd-change <yes|no>
set shared server-profile radius <name> protocol PEAP-MSCHAPv2 radius-cert-profile <value>
set shared server-profile radius <name> protocol PEAP-with-GTC
set shared server-profile radius <name> protocol PEAP-with-GTC anon-outer-id <yes|no>
set shared server-profile radius <name> protocol PEAP-with-GTC radius-cert-profile <value>
set shared server-profile radius <name> protocol EAP-TTLS-with-PAP
```

```
set shared server-profile radius <name> protocol EAP-TTLS-with-PAP anon-outer-id <yes|no>
set shared server-profile radius <name> protocol EAP-TTLS-with-PAP radius-cert-profile <value>
set shared server-profile radius <name> server
set shared server-profile radius <name> server <name>
set shared server-profile radius <name> server <name> ip-address <ip/netmask>|<value>
set shared server-profile radius <name> server <name> secret <value>
set shared server-profile radius <name> server <name> port <1-65535>
set shared server-profile kerberos
set shared server-profile kerberos <name>
set shared server-profile kerberos <name> admin-use-only <yes|no>
set shared server-profile kerberos <name> server
set shared server-profile kerberos <name> server <name>
set shared server-profile kerberos <name> server <name> host <ip/netmask>|<value>
set shared server-profile kerberos <name> server <name> port <1-65535>
set shared server-profile tacplus
set shared server-profile tacplus <name>
set shared server-profile tacplus <name> timeout <1-30>
set shared server-profile tacplus <name> admin-use-only <yes|no>
set shared server-profile tacplus <name> use-single-connection <yes|no>
set shared server-profile tacplus <name> protocol <CHAP|PAP>
set shared server-profile tacplus <name> server
set shared server-profile tacplus <name> server <name>
set shared server-profile tacplus <name> server <name> address <ip/netmask>|<value>
set shared server-profile tacplus <name> server <name> secret <value>
set shared server-profile tacplus <name> server <name> port <1-65535>
set shared server-profile saml-idp
set shared server-profile saml-idp <name>
set shared server-profile saml-idp <name> admin-use-only <yes|no>
set shared server-profile saml-idp <name> entity-id <value>
set shared server-profile saml-idp <name> certificate <value>
set shared server-profile saml-idp <name> sso-url <value>
set shared server-profile saml-idp <name> sso-bindings <post|redirect>
set shared server-profile saml-idp <name> slo-url <value>
```

```
set shared server-profile saml-idp <name> slo-bindings <post|redirect>
set shared server-profile saml-idp <name> validate-idp-certificate <yes|no>
set shared server-profile saml-idp <name> want-auth-requests-signed <yes|no>
set shared server-profile saml-idp <name> max-clock-skew <1-900>
set shared server-profile netflow
set shared server-profile netflow <name>
set shared server-profile netflow <name> template-refresh-rate
set shared server-profile netflow <name> template-refresh-rate minutes <1-3600>
set shared server-profile netflow <name> template-refresh-rate packets <1-600>
set shared server-profile netflow <name> active-timeout <1-60>
set shared server-profile netflow <name> export-enterprise-fields <yes|no>
set shared server-profile netflow <name> server
set shared server-profile netflow <name> server <name>
set shared server-profile netflow <name> server <name> host <ip/netmask>|<value>
set shared server-profile netflow <name> server <name> port <1-65535>
set shared server-profile mfa-server-profile
set shared server-profile mfa-server-profile <name>
set shared server-profile mfa-server-profile <name> mfa-vendor-type <value>
set shared server-profile mfa-server-profile <name> mfa-cert-profile <value>
set shared server-profile mfa-server-profile <name> mfa-config
set shared server-profile mfa-server-profile <name> mfa-config <name>
set shared server-profile mfa-server-profile <name> mfa-config <name> value <value>
set shared log-settings
set shared log-settings system
set shared log-settings system match-list
set shared log-settings system match-list <name>
set shared log-settings system match-list <name> description <value>
set shared log-settings system match-list <name> filter <value>
set shared log-settings system match-list <name> send-to-panorama <yes|no>
set shared log-settings system match-list <name> send-snmptrap [ <send-snmptrap1> <send-
snmptrap2>... ]
set shared log-settings system match-list <name> send-email [ <send-email1> <send-email2>... ]
set shared log-settings system match-list <name> send-syslog [ <send-syslog1> <send-
syslog2>... ]
```

```

set shared log-settings system match-list <name> send-http [ <send-http1> <send-http2>... ]
set shared log-settings system match-list <name> actions
set shared log-settings system match-list <name> actions <name>
set shared log-settings system match-list <name> actions <name> type
set shared log-settings config
set shared log-settings config match-list
set shared log-settings config match-list <name>
set shared log-settings config match-list <name> description <value>
set shared log-settings config match-list <name> filter <value>
set shared log-settings config match-list <name> send-to-panorama <yes|no>
set shared log-settings config match-list <name> send-snmptrap [ <send-snmptrap1> <send-
snmptrap2>... ]
set shared log-settings config match-list <name> send-email [ <send-email1> <send-email2>... ]
set shared log-settings config match-list <name> send-syslog [ <send-syslog1> <send-syslog2>... ]
set shared log-settings config match-list <name> send-http [ <send-http1> <send-http2>... ]
set shared log-settings userid
set shared log-settings userid match-list
set shared log-settings userid match-list <name>
set shared log-settings userid match-list <name> description <value>
set shared log-settings userid match-list <name> filter <value>
set shared log-settings userid match-list <name> send-to-panorama <yes|no>
set shared log-settings userid match-list <name> send-snmptrap [ <send-snmptrap1> <send-
snmptrap2>... ]
set shared log-settings userid match-list <name> send-email [ <send-email1> <send-email2>... ]
set shared log-settings userid match-list <name> send-syslog [ <send-syslog1> <send-syslog2>... ]
set shared log-settings userid match-list <name> send-http [ <send-http1> <send-http2>... ]
set shared log-settings userid match-list <name> quarantine <yes|no>
set shared log-settings userid match-list <name> actions
set shared log-settings userid match-list <name> actions <name>
set shared log-settings userid match-list <name> actions <name> type
set shared log-settings userid match-list <name> actions <name> type tagging
set shared log-settings userid match-list <name> actions <name> type tagging target <source-
address|destination-address|xff-address|user>
set shared log-settings userid match-list <name> actions <name> type tagging action <add-tag|
remove-tag>

```

```

set shared log-settings userid match-list <name> actions <name> type tagging registration
set shared log-settings userid match-list <name> actions <name> type tagging registration
localhost
set shared log-settings userid match-list <name> actions <name> type tagging registration
panorama
set shared log-settings userid match-list <name> actions <name> type tagging registration remote
set shared log-settings userid match-list <name> actions <name> type tagging registration remote
http-profile <value>
set shared log-settings userid match-list <name> actions <name> type tagging timeout
<0-43200>
set shared log-settings userid match-list <name> actions <name> type tagging tags [ <tags1>
<tags2>... ]
set shared log-settings iptag
set shared log-settings iptag match-list
set shared log-settings iptag match-list <name>
set shared log-settings iptag match-list <name> description <value>
set shared log-settings iptag match-list <name> filter <value>
set shared log-settings iptag match-list <name> send-to-panorama <yes|no>
set shared log-settings iptag match-list <name> send-snmptrap [ <send-snmptrap1> <send-
snmptrap2>... ]
set shared log-settings iptag match-list <name> send-email [ <send-email1> <send-email2>... ]
set shared log-settings iptag match-list <name> send-syslog [ <send-syslog1> <send-syslog2>... ]
set shared log-settings iptag match-list <name> send-http [ <send-http1> <send-http2>... ]
set shared log-settings iptag match-list <name> quarantine <yes|no>
set shared log-settings iptag match-list <name> actions
set shared log-settings iptag match-list <name> actions <name>
set shared log-settings iptag match-list <name> actions <name> type
set shared log-settings iptag match-list <name> actions <name> type tagging
set shared log-settings iptag match-list <name> actions <name> type tagging target <source-
address|destination-address|xff-address|user>
set shared log-settings iptag match-list <name> actions <name> type tagging action <add-tag|
remove-tag>
set shared log-settings iptag match-list <name> actions <name> type tagging registration
set shared log-settings iptag match-list <name> actions <name> type tagging registration
localhost
set shared log-settings iptag match-list <name> actions <name> type tagging registration
panorama

```

```

set shared log-settings iptag match-list <name> actions <name> type tagging registration remote
set shared log-settings iptag match-list <name> actions <name> type tagging registration remote
http-profile <value>
set shared log-settings iptag match-list <name> actions <name> type tagging timeout <0-43200>
set shared log-settings iptag match-list <name> actions <name> type tagging tags [ <tags1>
<tags2>... ]
set shared log-settings globalprotect
set shared log-settings globalprotect match-list
set shared log-settings globalprotect match-list <name>
set shared log-settings globalprotect match-list <name> description <value>
set shared log-settings globalprotect match-list <name> filter <value>
set shared log-settings globalprotect match-list <name> send-to-panorama <yes|no>
set shared log-settings globalprotect match-list <name> send-snmptrap [ <send-snmptrap1>
<send-snmptrap2>... ]
set shared log-settings globalprotect match-list <name> send-email [ <send-email1> <send-
email2>... ]
set shared log-settings globalprotect match-list <name> send-syslog [ <send-syslog1> <send-
syslog2>... ]
set shared log-settings globalprotect match-list <name> send-http [ <send-http1> <send-
http2>... ]
set shared log-settings globalprotect match-list <name> quarantine <yes|no>
set shared log-settings globalprotect match-list <name> actions
set shared log-settings globalprotect match-list <name> actions <name>
set shared log-settings globalprotect match-list <name> actions <name> type
set shared log-settings globalprotect match-list <name> actions <name> type tagging
set shared log-settings globalprotect match-list <name> actions <name> type tagging target
<source-address|destination-address|xff-address|user>
set shared log-settings globalprotect match-list <name> actions <name> type tagging action
<add-tag|remove-tag>
set shared log-settings globalprotect match-list <name> actions <name> type tagging registration
set shared log-settings globalprotect match-list <name> actions <name> type tagging registration
localhost
set shared log-settings globalprotect match-list <name> actions <name> type tagging registration
panorama
set shared log-settings globalprotect match-list <name> actions <name> type tagging registration
remote

```



```

set shared log-settings globalprotect match-list <name> actions <name> type tagging registration
remote http-profile <value>

set shared log-settings globalprotect match-list <name> actions <name> type tagging timeout
<0-43200>

set shared log-settings globalprotect match-list <name> actions <name> type tagging tags
[ <tags1> <tags2>... ]

set shared log-settings hipmatch

set shared log-settings hipmatch match-list

set shared log-settings hipmatch match-list <name>

set shared log-settings hipmatch match-list <name> description <value>

set shared log-settings hipmatch match-list <name> filter <value>

set shared log-settings hipmatch match-list <name> send-to-panorama <yes|no>

set shared log-settings hipmatch match-list <name> send-snmptrap [ <send-snmptrap1> <send-
snmptrap2>... ]

set shared log-settings hipmatch match-list <name> send-email [ <send-email1> <send-email2>... ]

set shared log-settings hipmatch match-list <name> send-syslog [ <send-syslog1> <send-
syslog2>... ]

set shared log-settings hipmatch match-list <name> send-http [ <send-http1> <send-http2>... ]

set shared log-settings hipmatch match-list <name> quarantine <yes|no>

set shared log-settings hipmatch match-list <name> actions

set shared log-settings hipmatch match-list <name> actions <name>

set shared log-settings hipmatch match-list <name> actions <name> type

set shared log-settings hipmatch match-list <name> actions <name> type tagging

set shared log-settings hipmatch match-list <name> actions <name> type tagging target <source-
address|destination-address|xff-address|user>

set shared log-settings hipmatch match-list <name> actions <name> type tagging action <add-tag|
remove-tag>

set shared log-settings hipmatch match-list <name> actions <name> type tagging registration

set shared log-settings hipmatch match-list <name> actions <name> type tagging registration
localhost

set shared log-settings hipmatch match-list <name> actions <name> type tagging registration
panorama

set shared log-settings hipmatch match-list <name> actions <name> type tagging registration
remote

set shared log-settings hipmatch match-list <name> actions <name> type tagging registration
remote http-profile <value>

```

```

set shared log-settings hipmatch match-list <name> actions <name> type tagging timeout
<0-43200>

set shared log-settings hipmatch match-list <name> actions <name> type tagging tags [ <tags1>
<tags2>... ]

set shared log-settings correlation

set shared log-settings correlation match-list

set shared log-settings correlation match-list <name>

set shared log-settings correlation match-list <name> description <value>

set shared log-settings correlation match-list <name> filter <value>

set shared log-settings correlation match-list <name> send-snmptrap [ <send-snmptrap1> <send-
snmptrap2>... ]

set shared log-settings correlation match-list <name> send-email [ <send-email1> <send-
email2>... ]

set shared log-settings correlation match-list <name> send-syslog [ <send-syslog1> <send-
syslog2>... ]

set shared log-settings correlation match-list <name> send-http [ <send-http1> <send-http2>... ]

set shared log-settings correlation match-list <name> quarantine <yes|no>

set shared log-settings correlation match-list <name> actions

set shared log-settings correlation match-list <name> actions <name>

set shared log-settings correlation match-list <name> actions <name> type

set shared log-settings correlation match-list <name> actions <name> type tagging

set shared log-settings correlation match-list <name> actions <name> type tagging target
<source-address|destination-address|xff-address|user>

set shared log-settings correlation match-list <name> actions <name> type tagging action <add-
tag|remove-tag>

set shared log-settings correlation match-list <name> actions <name> type tagging registration

set shared log-settings correlation match-list <name> actions <name> type tagging registration
localhost

set shared log-settings correlation match-list <name> actions <name> type tagging registration
panorama

set shared log-settings correlation match-list <name> actions <name> type tagging registration
remote

set shared log-settings correlation match-list <name> actions <name> type tagging registration
remote http-profile <value>

set shared log-settings correlation match-list <name> actions <name> type tagging timeout
<0-43200>

set shared log-settings correlation match-list <name> actions <name> type tagging tags [ <tags1>
<tags2>... ]

```

```

set shared log-settings snmptrap
set shared log-settings snmptrap <name>
set shared log-settings snmptrap <name> version
set shared log-settings snmptrap <name> version v2c
set shared log-settings snmptrap <name> version v2c server
set shared log-settings snmptrap <name> version v2c server <name>
set shared log-settings snmptrap <name> version v2c server <name> manager <ip/netmask>|
<value>
set shared log-settings snmptrap <name> version v2c server <name> community <value>
set shared log-settings snmptrap <name> version v3
set shared log-settings snmptrap <name> version v3 server
set shared log-settings snmptrap <name> version v3 server <name>
set shared log-settings snmptrap <name> version v3 server <name> manager <ip/netmask>|
<value>
set shared log-settings snmptrap <name> version v3 server <name> user <value>
set shared log-settings snmptrap <name> version v3 server <name> engineid <value>
set shared log-settings snmptrap <name> version v3 server <name> authpwd <value>
set shared log-settings snmptrap <name> version v3 server <name> privpwd <value>
set shared log-settings snmptrap <name> version v3 server <name> authproto <SHA|SHA-224|
SHA-256|SHA-384|SHA-512>
set shared log-settings snmptrap <name> version v3 server <name> privproto <AES|AES-192|
AES-256>
set shared log-settings email
set shared log-settings email <name>
set shared log-settings email <name> server
set shared log-settings email <name> server <name>
set shared log-settings email <name> server <name> display-name <value>
set shared log-settings email <name> server <name> from <value>
set shared log-settings email <name> server <name> to <value>
set shared log-settings email <name> server <name> and-also-to <value>
set shared log-settings email <name> server <name> gateway <value>
set shared log-settings email <name> server <name> protocol <SMTP|TLS>
set shared log-settings email <name> server <name> port <1-65535>
set shared log-settings email <name> server <name> tls-version <1.2|1.1>
set shared log-settings email <name> server <name> auth <Auto|Login|Plain>

```

```

set shared log-settings email <name> server <name> certificate-profile <value>
set shared log-settings email <name> server <name> username <value>
set shared log-settings email <name> server <name> password <value>
set shared log-settings email <name> format
set shared log-settings email <name> format traffic <value>
set shared log-settings email <name> format threat <value>
set shared log-settings email <name> format wildfire <value>
set shared log-settings email <name> format url <value>
set shared log-settings email <name> format data <value>
set shared log-settings email <name> format tunnel <value>
set shared log-settings email <name> format auth <value>
set shared log-settings email <name> format userid <value>
set shared log-settings email <name> format iptag <value>
set shared log-settings email <name> format decryption <value>
set shared log-settings email <name> format config <value>
set shared log-settings email <name> format system <value>
set shared log-settings email <name> format globalprotect <value>
set shared log-settings email <name> format hip-match <value>
set shared log-settings email <name> format correlation <value>
set shared log-settings email <name> format escaping
set shared log-settings email <name> format escaping escaped-characters <value>
set shared log-settings email <name> format escaping escape-character <value>
set shared log-settings syslog
set shared log-settings syslog <name>
set shared log-settings syslog <name> server
set shared log-settings syslog <name> server <name>
set shared log-settings syslog <name> server <name> server <value>
set shared log-settings syslog <name> server <name> transport <UDP|TCP|SSL>
set shared log-settings syslog <name> server <name> port <1-65535>
set shared log-settings syslog <name> server <name> format <BSD|IETF>
set shared log-settings syslog <name> server <name> facility <LOG_USER|LOG_LOCAL0|
LOG_LOCAL1|LOG_LOCAL2|LOG_LOCAL3|LOG_LOCAL4|LOG_LOCAL5|LOG_LOCAL6|
LOG_LOCAL7>
set shared log-settings syslog <name> format

```

```

set shared log-settings syslog <name> format traffic <value>
set shared log-settings syslog <name> format threat <value>
set shared log-settings syslog <name> format wildfire <value>
set shared log-settings syslog <name> format url <value>
set shared log-settings syslog <name> format data <value>
set shared log-settings syslog <name> format tunnel <value>
set shared log-settings syslog <name> format auth <value>
set shared log-settings syslog <name> format userid <value>
set shared log-settings syslog <name> format iptag <value>
set shared log-settings syslog <name> format decryption <value>
set shared log-settings syslog <name> format config <value>
set shared log-settings syslog <name> format system <value>
set shared log-settings syslog <name> format globalprotect <value>
set shared log-settings syslog <name> format hip-match <value>
set shared log-settings syslog <name> format correlation <value>
set shared log-settings syslog <name> format escaping
set shared log-settings syslog <name> format escaping escaped-characters <value>
set shared log-settings syslog <name> format escaping escape-character <value>
set shared log-settings http
set shared log-settings http <name>
set shared log-settings http <name> tag-registration <yes|no>
set shared log-settings http <name> server
set shared log-settings http <name> server <name>
set shared log-settings http <name> server <name> address <value>
set shared log-settings http <name> server <name> protocol <HTTP|HTTPS>
set shared log-settings http <name> server <name> port <1-65535>
set shared log-settings http <name> server <name> tls-version <1.2|1.1|1.0>
set shared log-settings http <name> server <name> certificate-profile <value>
set shared log-settings http <name> server <name> http-method <value>
set shared log-settings http <name> server <name> username <value>
set shared log-settings http <name> server <name> password <value>
set shared log-settings http <name> format
set shared log-settings http <name> format config

```

```
set shared log-settings http <name> format config name <value>
set shared log-settings http <name> format config url-format <value>
set shared log-settings http <name> format config headers
set shared log-settings http <name> format config headers <name>
set shared log-settings http <name> format config headers <name> value <value>
set shared log-settings http <name> format config params
set shared log-settings http <name> format config params <name>
set shared log-settings http <name> format config params <name> value <value>
set shared log-settings http <name> format config payload <value>
set shared log-settings http <name> format system
set shared log-settings http <name> format system name <value>
set shared log-settings http <name> format system url-format <value>
set shared log-settings http <name> format system headers
set shared log-settings http <name> format system headers <name>
set shared log-settings http <name> format system headers <name> value <value>
set shared log-settings http <name> format system params
set shared log-settings http <name> format system params <name>
set shared log-settings http <name> format system params <name> value <value>
set shared log-settings http <name> format system payload <value>
set shared log-settings http <name> format traffic
set shared log-settings http <name> format traffic name <value>
set shared log-settings http <name> format traffic url-format <value>
set shared log-settings http <name> format traffic headers
set shared log-settings http <name> format traffic headers <name>
set shared log-settings http <name> format traffic headers <name> value <value>
set shared log-settings http <name> format traffic params
set shared log-settings http <name> format traffic params <name>
set shared log-settings http <name> format traffic params <name> value <value>
set shared log-settings http <name> format traffic payload <value>
set shared log-settings http <name> format threat
set shared log-settings http <name> format threat name <value>
set shared log-settings http <name> format threat url-format <value>
set shared log-settings http <name> format threat headers
```

```
set shared log-settings http <name> format threat headers <name>
set shared log-settings http <name> format threat headers <name> value <value>
set shared log-settings http <name> format threat params
set shared log-settings http <name> format threat params <name>
set shared log-settings http <name> format threat params <name> value <value>
set shared log-settings http <name> format threat payload <value>
set shared log-settings http <name> format wildfire
set shared log-settings http <name> format wildfire name <value>
set shared log-settings http <name> format wildfire url-format <value>
set shared log-settings http <name> format wildfire headers
set shared log-settings http <name> format wildfire headers <name>
set shared log-settings http <name> format wildfire headers <name> value <value>
set shared log-settings http <name> format wildfire params
set shared log-settings http <name> format wildfire params <name>
set shared log-settings http <name> format wildfire params <name> value <value>
set shared log-settings http <name> format wildfire payload <value>
set shared log-settings http <name> format url
set shared log-settings http <name> format url name <value>
set shared log-settings http <name> format url url-format <value>
set shared log-settings http <name> format url headers
set shared log-settings http <name> format url headers <name>
set shared log-settings http <name> format url headers <name> value <value>
set shared log-settings http <name> format url params
set shared log-settings http <name> format url params <name>
set shared log-settings http <name> format url params <name> value <value>
set shared log-settings http <name> format url payload <value>
set shared log-settings http <name> format data
set shared log-settings http <name> format data name <value>
set shared log-settings http <name> format data url-format <value>
set shared log-settings http <name> format data headers
set shared log-settings http <name> format data headers <name>
set shared log-settings http <name> format data headers <name> value <value>
set shared log-settings http <name> format data params
```

```
set shared log-settings http <name> format data params <name>
set shared log-settings http <name> format data params <name> value <value>
set shared log-settings http <name> format data payload <value>
set shared log-settings http <name> format tunnel
set shared log-settings http <name> format tunnel name <value>
set shared log-settings http <name> format tunnel url-format <value>
set shared log-settings http <name> format tunnel headers
set shared log-settings http <name> format tunnel headers <name>
set shared log-settings http <name> format tunnel headers <name> value <value>
set shared log-settings http <name> format tunnel params
set shared log-settings http <name> format tunnel params <name>
set shared log-settings http <name> format tunnel params <name> value <value>
set shared log-settings http <name> format tunnel payload <value>
set shared log-settings http <name> format auth
set shared log-settings http <name> format auth name <value>
set shared log-settings http <name> format auth url-format <value>
set shared log-settings http <name> format auth headers
set shared log-settings http <name> format auth headers <name>
set shared log-settings http <name> format auth headers <name> value <value>
set shared log-settings http <name> format auth params
set shared log-settings http <name> format auth params <name>
set shared log-settings http <name> format auth params <name> value <value>
set shared log-settings http <name> format auth payload <value>
set shared log-settings http <name> format userid
set shared log-settings http <name> format userid name <value>
set shared log-settings http <name> format userid url-format <value>
set shared log-settings http <name> format userid headers
set shared log-settings http <name> format userid headers <name>
set shared log-settings http <name> format userid headers <name> value <value>
set shared log-settings http <name> format userid params
set shared log-settings http <name> format userid params <name>
set shared log-settings http <name> format userid params <name> value <value>
set shared log-settings http <name> format userid payload <value>
```



```

set shared log-settings http <name> format iptag
set shared log-settings http <name> format iptag name <value>
set shared log-settings http <name> format iptag url-format <value>
set shared log-settings http <name> format iptag headers
set shared log-settings http <name> format iptag headers <name>
set shared log-settings http <name> format iptag headers <name> value <value>
set shared log-settings http <name> format iptag params
set shared log-settings http <name> format iptag params <name>
set shared log-settings http <name> format iptag params <name> value <value>
set shared log-settings http <name> format iptag payload <value>
set shared log-settings http <name> format decryption
set shared log-settings http <name> format decryption name <value>
set shared log-settings http <name> format decryption url-format <value>
set shared log-settings http <name> format decryption headers
set shared log-settings http <name> format decryption headers <name>
set shared log-settings http <name> format decryption headers <name> value <value>
set shared log-settings http <name> format decryption params
set shared log-settings http <name> format decryption params <name>
set shared log-settings http <name> format decryption params <name> value <value>
set shared log-settings http <name> format decryption payload <value>
set shared log-settings http <name> format globalprotect
set shared log-settings http <name> format globalprotect name <value>
set shared log-settings http <name> format globalprotect url-format <value>
set shared log-settings http <name> format globalprotect headers
set shared log-settings http <name> format globalprotect headers <name>
set shared log-settings http <name> format globalprotect headers <name> value <value>
set shared log-settings http <name> format globalprotect params
set shared log-settings http <name> format globalprotect params <name>
set shared log-settings http <name> format globalprotect params <name> value <value>
set shared log-settings http <name> format globalprotect payload <value>
set shared log-settings http <name> format hip-match
set shared log-settings http <name> format hip-match name <value>
set shared log-settings http <name> format hip-match url-format <value>

```

```

set shared log-settings http <name> format hip-match headers
set shared log-settings http <name> format hip-match headers <name>
set shared log-settings http <name> format hip-match headers <name> value <value>
set shared log-settings http <name> format hip-match params
set shared log-settings http <name> format hip-match params <name>
set shared log-settings http <name> format hip-match params <name> value <value>
set shared log-settings http <name> format hip-match payload <value>
set shared log-settings http <name> format correlation
set shared log-settings http <name> format correlation name <value>
set shared log-settings http <name> format correlation url-format <value>
set shared log-settings http <name> format correlation headers
set shared log-settings http <name> format correlation headers <name>
set shared log-settings http <name> format correlation headers <name> value <value>
set shared log-settings http <name> format correlation params
set shared log-settings http <name> format correlation params <name>
set shared log-settings http <name> format correlation params <name> value <value>
set shared log-settings http <name> format correlation payload <value>
set shared log-settings profiles
set shared log-settings profiles <name>
set shared log-settings profiles <name> description <value>
set shared log-settings profiles <name> enhanced-application-logging <yes|no>
set shared log-settings profiles <name> match-list
set shared log-settings profiles <name> match-list <name>
set shared log-settings profiles <name> match-list <name> action-desc <value>
set shared log-settings profiles <name> match-list <name> log-type <traffic|threat|wildfire|url|
data|tunnel|auth|decryption>
set shared log-settings profiles <name> match-list <name> filter <value>
set shared log-settings profiles <name> match-list <name> send-to-panorama <yes|no>
set shared log-settings profiles <name> match-list <name> send-snmptrap [ <send-snmptrap1>
<send-snmptrap2>... ]
set shared log-settings profiles <name> match-list <name> send-email [ <send-email1> <send-
email2>... ]
set shared log-settings profiles <name> match-list <name> send-syslog [ <send-syslog1> <send-
syslog2>... ]

```

set shared log-settings profiles <name> match-list <name> send-http [<send-http1> <send-http2>...]

set shared log-settings profiles <name> match-list <name> quarantine <yes|no>

set shared log-settings profiles <name> match-list <name> actions

set shared log-settings profiles <name> match-list <name> actions <name>

set shared log-settings profiles <name> match-list <name> actions <name> type

set shared log-settings profiles <name> match-list <name> actions <name> type tagging

set shared log-settings profiles <name> match-list <name> actions <name> type tagging target <source-address|destination-address|xff-address|user>

set shared log-settings profiles <name> match-list <name> actions <name> type tagging action <add-tag|remove-tag>

set shared log-settings profiles <name> match-list <name> actions <name> type tagging registration

set shared log-settings profiles <name> match-list <name> actions <name> type tagging registration localhost

set shared log-settings profiles <name> match-list <name> actions <name> type tagging registration panorama

set shared log-settings profiles <name> match-list <name> actions <name> type tagging registration remote

set shared log-settings profiles <name> match-list <name> actions <name> type tagging registration remote http-profile <value>

set shared log-settings profiles <name> match-list <name> actions <name> type tagging timeout <0-43200>

set shared log-settings profiles <name> match-list <name> actions <name> type tagging tags [<tags1> <tags2>...]

set shared certificate

set shared certificate <name>

set shared certificate <name> common-name <value>

set shared certificate <name> algorithm <value>

set shared certificate <name> not-valid-after <value>

set shared certificate <name> not-valid-before <value>

set shared certificate <name> expiry-epoch <value>

set shared certificate <name> subject <value>

set shared certificate <name> subject-hash <value>

set shared certificate <name> issuer <value>

set shared certificate <name> issuer-hash <value>

set shared certificate <name>

```
set shared certificate <name> csr <value>
set shared certificate <name> public-key <value>
set shared certificate <name>
set shared certificate <name> private-key <value>
set shared certificate <name> private-key-on-hsm <yes|no>
set shared certificate <name> status <valid|revoked>
set shared certificate <name> revoke-date-epoch <value>
set shared ssl-tls-service-profile
set shared ssl-tls-service-profile <name>
set shared ssl-tls-service-profile <name> certificate <value>
set shared ssl-tls-service-profile <name> protocol-settings
set shared ssl-tls-service-profile <name> protocol-settings min-version <tls1-0|tls1-1|tls1-2>
set shared ssl-tls-service-profile <name> protocol-settings max-version <tls1-0|tls1-1|tls1-2|max>
set shared ssl-tls-service-profile <name> protocol-settings keyxchg-algo-rsa <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings keyxchg-algo-dhe <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings keyxchg-algo-ecdh <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings enc-algo-3des <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings enc-algo-rc4 <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings enc-algo-aes-128-cbc <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings enc-algo-aes-256-cbc <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings enc-algo-aes-128-gcm <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings enc-algo-aes-256-gcm <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings auth-algo-sha1 <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings auth-algo-sha256 <yes|no>
set shared ssl-tls-service-profile <name> protocol-settings auth-algo-sha384 <yes|no>
set shared response-page
set shared response-page application-block-page <value>
set shared response-page captive-portal-text <value>
set shared response-page file-block-continue-page <value>
set shared response-page file-block-page <value>
set shared response-page ssl-cert-status-page <value>
set shared response-page ssl-optout-text <value>
set shared response-page url-block-page <value>
```

```

set shared response-page url-coach-text <value>
set shared response-page credential-block-page <value>
set shared response-page credential-coach-text <value>
set shared response-page virus-block-page <value>
set shared response-page data-filter-block-page <value>
set shared response-page safe-search-block-page <value>
set shared response-page saml-auth-internal-error-page <value>
set shared response-page mfa-login-page <value>
set shared response-page global-protect-portal-custom-login-page
set shared response-page global-protect-portal-custom-login-page <name>
set shared response-page global-protect-portal-custom-login-page <name> page <value>
set shared response-page global-protect-portal-custom-home-page
set shared response-page global-protect-portal-custom-home-page <name>
set shared response-page global-protect-portal-custom-home-page <name> page <value>
set shared response-page global-protect-portal-custom-help-page
set shared response-page global-protect-portal-custom-help-page <name>
set shared response-page global-protect-portal-custom-help-page <name> page <value>
set shared response-page global-protect-portal-custom-welcome-page
set shared response-page global-protect-portal-custom-welcome-page <name>
set shared response-page global-protect-portal-custom-welcome-page <name> page <value>
set shared local-user-database
set shared local-user-database user
set shared local-user-database user <name>
set shared local-user-database user <name> phash <value>
set shared local-user-database user <name> disabled <yes|no>
set shared local-user-database user-group
set shared local-user-database user-group <name>
set shared local-user-database user-group <name> user [ <user1> <user2>... ]
set shared ocap-responder
set shared ocap-responder <name>
set shared ocap-responder <name> host-name <value>
set shared ssl-decrypt
set shared ssl-decrypt forward-trust-certificate

```

```

set shared ssl-decrypt forward-trust-certificate rsa <value>
set shared ssl-decrypt forward-trust-certificate ecdsa <value>
set shared ssl-decrypt forward-untrust-certificate
set shared ssl-decrypt forward-untrust-certificate rsa <value>
set shared ssl-decrypt forward-untrust-certificate ecdsa <value>
set shared ssl-decrypt ssl-exclude-cert
set shared ssl-decrypt ssl-exclude-cert <name>
set shared ssl-decrypt ssl-exclude-cert <name> description <value>
set shared ssl-decrypt ssl-exclude-cert <name> exclude <yes|no>
set shared ssl-decrypt root-ca-exclude-list [ <root-ca-exclude-list1> <root-ca-exclude-list2>... ]
set shared ssl-decrypt trusted-root-CA [ <trusted-root-CA1> <trusted-root-CA2>... ]
set shared ssl-decrypt disabled-ssl-exclude-cert-from-predefined [ <disabled-ssl-exclude-cert-
from-predefined1> <disabled-ssl-exclude-cert-from-predefined2>... ]
set shared url-content-types [ <url-content-types1> <url-content-types2>... ]
set shared admin-role
set shared admin-role <name>
set shared admin-role <name> description <value>
set shared admin-role <name> role
set shared admin-role <name> role device
set shared admin-role <name> role device webui
set shared admin-role <name> role device webui dashboard <enable|disable>
set shared admin-role <name> role device webui acc <enable|disable>
set shared admin-role <name> role device webui monitor
set shared admin-role <name> role device webui monitor logs
set shared admin-role <name> role device webui monitor logs traffic <enable|disable>
set shared admin-role <name> role device webui monitor logs threat <enable|disable>
set shared admin-role <name> role device webui monitor logs url <enable|disable>
set shared admin-role <name> role device webui monitor logs wildfire <enable|disable>
set shared admin-role <name> role device webui monitor logs data-filtering <enable|disable>
set shared admin-role <name> role device webui monitor logs hipmatch <enable|disable>
set shared admin-role <name> role device webui monitor logs globalprotect <enable|disable>
set shared admin-role <name> role device webui monitor logs iptag <enable|disable>
set shared admin-role <name> role device webui monitor logs userid <enable|disable>
set shared admin-role <name> role device webui monitor logs decryption <enable|disable>

```

```

set shared admin-role <name> role device webui monitor logs gtp <enable|disable>
set shared admin-role <name> role device webui monitor logs tunnel <enable|disable>
set shared admin-role <name> role device webui monitor logs sctp <enable|disable>
set shared admin-role <name> role device webui monitor logs configuration <enable|disable>
set shared admin-role <name> role device webui monitor logs system <enable|disable>
set shared admin-role <name> role device webui monitor logs alarm <enable|disable>
set shared admin-role <name> role device webui monitor logs authentication <enable|disable>
set shared admin-role <name> role device webui monitor external-logs <enable|disable>
set shared admin-role <name> role device webui monitor automated-correlation-engine
set shared admin-role <name> role device webui monitor automated-correlation-engine
correlation-objects <enable|disable>
set shared admin-role <name> role device webui monitor automated-correlation-engine
correlated-events <enable|disable>
set shared admin-role <name> role device webui monitor packet-capture <enable|read-only|
disable>
set shared admin-role <name> role device webui monitor app-scope <enable|disable>
set shared admin-role <name> role device webui monitor session-browser <enable|read-only|
disable>
set shared admin-role <name> role device webui monitor block-ip-list <enable|read-only|disable>
set shared admin-role <name> role device webui monitor botnet <enable|read-only|disable>
set shared admin-role <name> role device webui monitor pdf-reports
set shared admin-role <name> role device webui monitor pdf-reports manage-pdf-summary
<enable|read-only|disable>
set shared admin-role <name> role device webui monitor pdf-reports pdf-summary-reports
<enable|disable>
set shared admin-role <name> role device webui monitor pdf-reports user-activity-report
<enable|read-only|disable>
set shared admin-role <name> role device webui monitor pdf-reports saas-application-usage-
report <enable|read-only|disable>
set shared admin-role <name> role device webui monitor pdf-reports report-groups <enable|read-
only|disable>
set shared admin-role <name> role device webui monitor pdf-reports email-scheduler <enable|
read-only|disable>
set shared admin-role <name> role device webui monitor custom-reports
set shared admin-role <name> role device webui monitor custom-reports application-statistics
<enable|disable>

```

```

set shared admin-role <name> role device webui monitor custom-reports data-filtering-log
<enable|disable>

set shared admin-role <name> role device webui monitor custom-reports threat-log <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports threat-summary
<enable|disable>

set shared admin-role <name> role device webui monitor custom-reports traffic-log <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports traffic-summary
<enable|disable>

set shared admin-role <name> role device webui monitor custom-reports url-log <enable|disable>

set shared admin-role <name> role device webui monitor custom-reports url-summary <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports hipmatch <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports globalprotect <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports wildfire-log <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports gtp-log <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports gtp-summary <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports tunnel-log <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports tunnel-summary
<enable|disable>

set shared admin-role <name> role device webui monitor custom-reports sctp-log <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports sctp-summary <enable|
disable>

set shared admin-role <name> role device webui monitor custom-reports iptag <enable|disable>
set shared admin-role <name> role device webui monitor custom-reports userid <enable|disable>
set shared admin-role <name> role device webui monitor custom-reports auth <enable|disable>
set shared admin-role <name> role device webui monitor view-custom-reports <enable|disable>
set shared admin-role <name> role device webui monitor application-reports <enable|disable>
set shared admin-role <name> role device webui monitor threat-reports <enable|disable>
set shared admin-role <name> role device webui monitor url-filtering-reports <enable|disable>

```



```
set shared admin-role <name> role device webui monitor traffic-reports <enable|disable>
set shared admin-role <name> role device webui monitor gtp-reports <enable|disable>
set shared admin-role <name> role device webui monitor sctp-reports <enable|disable>
set shared admin-role <name> role device webui policies
set shared admin-role <name> role device webui policies security-rulebase <enable|read-only|
disable>
set shared admin-role <name> role device webui policies nat-rulebase <enable|read-only|disable>
set shared admin-role <name> role device webui policies qos-rulebase <enable|read-only|disable>
set shared admin-role <name> role device webui policies pbf-rulebase <enable|read-only|disable>
set shared admin-role <name> role device webui policies ssl-decryption-rulebase <enable|read-
only|disable>
set shared admin-role <name> role device webui policies network-packet-broker-rulebase
<enable|read-only|disable>
set shared admin-role <name> role device webui policies tunnel-inspect-rulebase <enable|read-
only|disable>
set shared admin-role <name> role device webui policies application-override-rulebase <enable|
read-only|disable>
set shared admin-role <name> role device webui policies authentication-rulebase <enable|read-
only|disable>
set shared admin-role <name> role device webui policies dos-rulebase <enable|read-only|disable>
set shared admin-role <name> role device webui policies sdwan-rulebase <enable|read-only|
disable>
set shared admin-role <name> role device webui policies rule-hit-count-reset <enable|disable>
set shared admin-role <name> role device webui objects
set shared admin-role <name> role device webui objects addresses <enable|read-only|disable>
set shared admin-role <name> role device webui objects address-groups <enable|read-only|
disable>
set shared admin-role <name> role device webui objects regions <enable|read-only|disable>
set shared admin-role <name> role device webui objects dynamic-user-groups <enable|read-only|
disable>
set shared admin-role <name> role device webui objects applications <enable|read-only|disable>
set shared admin-role <name> role device webui objects application-groups <enable|read-only|
disable>
set shared admin-role <name> role device webui objects application-filters <enable|read-only|
disable>
set shared admin-role <name> role device webui objects services <enable|read-only|disable>
```

```

set shared admin-role <name> role device webui objects service-groups <enable|read-only|
disable>
set shared admin-role <name> role device webui objects tags <enable|read-only|disable>
set shared admin-role <name> role device webui objects devices <enable|read-only|disable>
set shared admin-role <name> role device webui objects global-protect
set shared admin-role <name> role device webui objects global-protect hip-objects <enable|read-
only|disable>
set shared admin-role <name> role device webui objects global-protect hip-profiles <enable|read-
only|disable>
set shared admin-role <name> role device webui objects dynamic-block-lists <enable|read-only|
disable>
set shared admin-role <name> role device webui objects custom-objects
set shared admin-role <name> role device webui objects custom-objects data-patterns <enable|
read-only|disable>
set shared admin-role <name> role device webui objects custom-objects spyware <enable|read-
only|disable>
set shared admin-role <name> role device webui objects custom-objects vulnerability <enable|
read-only|disable>
set shared admin-role <name> role device webui objects custom-objects url-category <enable|
read-only|disable>
set shared admin-role <name> role device webui objects security-profiles
set shared admin-role <name> role device webui objects security-profiles antivirus <enable|read-
only|disable>
set shared admin-role <name> role device webui objects security-profiles anti-spyware <enable|
read-only|disable>
set shared admin-role <name> role device webui objects security-profiles vulnerability-protection
<enable|read-only|disable>
set shared admin-role <name> role device webui objects security-profiles url-filtering <enable|
read-only|disable>
set shared admin-role <name> role device webui objects security-profiles file-blocking <enable|
read-only|disable>
set shared admin-role <name> role device webui objects security-profiles wildfire-analysis
<enable|read-only|disable>
set shared admin-role <name> role device webui objects security-profiles data-filtering <enable|
read-only|disable>
set shared admin-role <name> role device webui objects security-profiles dos-protection <enable|
read-only|disable>
set shared admin-role <name> role device webui objects security-profile-groups <enable|read-
only|disable>

```

```

set shared admin-role <name> role device webui objects log-forwarding <enable|read-only|
disable>

set shared admin-role <name> role device webui objects authentication <enable|read-only|
disable>

set shared admin-role <name> role device webui objects decryption

set shared admin-role <name> role device webui objects decryption decryption-profile <enable|
read-only|disable>

set shared admin-role <name> role device webui objects packet-broker-profile <enable|read-only|
disable>

set shared admin-role <name> role device webui objects sdwan

set shared admin-role <name> role device webui objects sdwan sdwan-profile <enable|read-only|
disable>

set shared admin-role <name> role device webui objects sdwan sdwan-saas-quality-profile
<enable|read-only|disable>

set shared admin-role <name> role device webui objects sdwan sdwan-dist-profile <enable|read-
only|disable>

set shared admin-role <name> role device webui objects sdwan sdwan-error-correction-profile
<enable|read-only|disable>

set shared admin-role <name> role device webui objects schedules <enable|read-only|disable>

set shared admin-role <name> role device webui network

set shared admin-role <name> role device webui network interfaces <enable|read-only|disable>

set shared admin-role <name> role device webui network zones <enable|read-only|disable>

set shared admin-role <name> role device webui network vlans <enable|read-only|disable>

set shared admin-role <name> role device webui network virtual-wires <enable|read-only|
disable>

set shared admin-role <name> role device webui network virtual-routers <enable|read-only|
disable>

set shared admin-role <name> role device webui network routing

set shared admin-role <name> role device webui network routing logical-routers <enable|read-
only|disable>

set shared admin-role <name> role device webui network routing routing-profiles

set shared admin-role <name> role device webui network routing routing-profiles bgp <enable|
read-only|disable>

set shared admin-role <name> role device webui network ipsec-tunnels <enable|read-only|
disable>

set shared admin-role <name> role device webui network gre-tunnels <enable|read-only|disable>

set shared admin-role <name> role device webui network dhcp <enable|read-only|disable>

set shared admin-role <name> role device webui network dns-proxy <enable|read-only|disable>

```

```

set shared admin-role <name> role device webui network global-protect
set shared admin-role <name> role device webui network global-protect portals <enable|read-only|disable>
set shared admin-role <name> role device webui network global-protect gateways <enable|read-only|disable>
set shared admin-role <name> role device webui network global-protect mdm <enable|read-only|disable>
set shared admin-role <name> role device webui network global-protect clientless-apps <enable|read-only|disable>
set shared admin-role <name> role device webui network global-protect clientless-app-groups <enable|read-only|disable>
set shared admin-role <name> role device webui network qos <enable|read-only|disable>
set shared admin-role <name> role device webui network lldp <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles
set shared admin-role <name> role device webui network network-profiles gp-app-ipsec-crypto <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles ike-gateways <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles ipsec-crypto <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles ike-crypto <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles tunnel-monitor <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles interface-mgmt <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles zone-protection <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles qos-profile <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles lldp-profile <enable|read-only|disable>
set shared admin-role <name> role device webui network network-profiles bfd-profile <enable|read-only|disable>
set shared admin-role <name> role device webui network sdwan-interface-profile <enable|read-only|disable>
set shared admin-role <name> role device webui device
set shared admin-role <name> role device webui device setup

```

```

set shared admin-role <name> role device webui device setup management <enable|read-only|
disable>

set shared admin-role <name> role device webui device setup operations <enable|read-only|
disable>

set shared admin-role <name> role device webui device setup services <enable|read-only|disable>

set shared admin-role <name> role device webui device setup interfaces <enable|read-only|
disable>

set shared admin-role <name> role device webui device setup telemetry <enable|read-only|
disable>

set shared admin-role <name> role device webui device setup content-id <enable|read-only|
disable>

set shared admin-role <name> role device webui device setup wildfire <enable|read-only|disable>

set shared admin-role <name> role device webui device setup session <enable|read-only|disable>

set shared admin-role <name> role device webui device setup hsm <enable|read-only|disable>

set shared admin-role <name> role device webui device high-availability <enable|read-only|
disable>

set shared admin-role <name> role device webui device config-audit <enable|disable>

set shared admin-role <name> role device webui device administrators <read-only|disable>

set shared admin-role <name> role device webui device admin-roles <read-only|disable>

set shared admin-role <name> role device webui device access-domain <enable|read-only|
disable>

set shared admin-role <name> role device webui device authentication-profile <enable|read-only|
disable>

set shared admin-role <name> role device webui device authentication-sequence <enable|read-
only|disable>

set shared admin-role <name> role device webui device user-identification <enable|read-only|
disable>

set shared admin-role <name> role device webui device data-redistribution <enable|read-only|
disable>

set shared admin-role <name> role device webui device device-quarantine <enable|read-only|
disable>

set shared admin-role <name> role device webui device vm-info-source <enable|read-only|
disable>

set shared admin-role <name> role device webui device troubleshooting <enable|read-only|
disable>

set shared admin-role <name> role device webui device virtual-systems <enable|read-only|
disable>

set shared admin-role <name> role device webui device shared-gateways <enable|read-only|
disable>

```

```
set shared admin-role <name> role device webui device certificate-management
set shared admin-role <name> role device webui device certificate-management certificates
<enable|read-only|disable>
set shared admin-role <name> role device webui device certificate-management certificate-profile
<enable|read-only|disable>
set shared admin-role <name> role device webui device certificate-management ocsp-responder
<enable|read-only|disable>
set shared admin-role <name> role device webui device certificate-management ssl-tls-service-
profile <enable|read-only|disable>
set shared admin-role <name> role device webui device certificate-management scep <enable|
read-only|disable>
set shared admin-role <name> role device webui device certificate-management ssl-decryption-
exclusion <enable|read-only|disable>
set shared admin-role <name> role device webui device certificate-management ssh-service-
profile <enable|read-only|disable>
set shared admin-role <name> role device webui device block-pages <enable|read-only|disable>
set shared admin-role <name> role device webui device log-settings
set shared admin-role <name> role device webui device log-settings system <enable|read-only|
disable>
set shared admin-role <name> role device webui device log-settings config <enable|read-only|
disable>
set shared admin-role <name> role device webui device log-settings iptag <enable|read-only|
disable>
set shared admin-role <name> role device webui device log-settings user-id <enable|read-only|
disable>
set shared admin-role <name> role device webui device log-settings hipmatch <enable|read-only|
disable>
set shared admin-role <name> role device webui device log-settings globalprotect <enable|read-
only|disable>
set shared admin-role <name> role device webui device log-settings correlation <enable|read-
only|disable>
set shared admin-role <name> role device webui device log-settings cc-alarm <enable|read-only|
disable>
set shared admin-role <name> role device webui device log-settings manage-log <enable|read-
only|disable>
set shared admin-role <name> role device webui device server-profile
set shared admin-role <name> role device webui device server-profile snmp-trap <enable|read-
only|disable>
```

```
set shared admin-role <name> role device webui device server-profile syslog <enable|read-only|
disable>

set shared admin-role <name> role device webui device server-profile email <enable|read-only|
disable>

set shared admin-role <name> role device webui device server-profile http <enable|read-only|
disable>

set shared admin-role <name> role device webui device server-profile netflow <enable|read-only|
disable>

set shared admin-role <name> role device webui device server-profile radius <enable|read-only|
disable>

set shared admin-role <name> role device webui device server-profile tacplus <enable|read-only|
disable>

set shared admin-role <name> role device webui device server-profile ldap <enable|read-only|
disable>

set shared admin-role <name> role device webui device server-profile kerberos <enable|read-
only|disable>

set shared admin-role <name> role device webui device server-profile saml_idp <enable|read-
only|disable>

set shared admin-role <name> role device webui device server-profile dns <enable|read-only|
disable>

set shared admin-role <name> role device webui device server-profile mfa <enable|read-only|
disable>

set shared admin-role <name> role device webui device local-user-database

set shared admin-role <name> role device webui device local-user-database users <enable|read-
only|disable>

set shared admin-role <name> role device webui device local-user-database user-groups <enable|
read-only|disable>

set shared admin-role <name> role device webui device scheduled-log-export <enable|disable>

set shared admin-role <name> role device webui device software <enable|read-only|disable>

set shared admin-role <name> role device webui device global-protect-client <enable|read-only|
disable>

set shared admin-role <name> role device webui device dynamic-updates <enable|read-only|
disable>

set shared admin-role <name> role device webui device plugins <enable|disable>

set shared admin-role <name> role device webui device licenses <enable|read-only|disable>

set shared admin-role <name> role device webui device support <enable|read-only|disable>

set shared admin-role <name> role device webui device master-key <enable|read-only|disable>

set shared admin-role <name> role device webui device policy-recommendations
```

```

set shared admin-role <name> role device webui device policy-recommendations iot <enable|
read-only|disable>

set shared admin-role <name> role device webui device policy-recommendations saas <enable|
read-only|disable>

set shared admin-role <name> role device webui operations

set shared admin-role <name> role device webui operations reboot <enable|disable>

set shared admin-role <name> role device webui operations generate-tech-support-file <enable|
disable>

set shared admin-role <name> role device webui operations generate-stats-dump-file <enable|
disable>

set shared admin-role <name> role device webui operations download-core-files <enable|disable>

set shared admin-role <name> role device webui privacy

set shared admin-role <name> role device webui privacy show-full-ip-addresses <enable|disable>

set shared admin-role <name> role device webui privacy show-user-names-in-logs-and-reports
<enable|disable>

set shared admin-role <name> role device webui privacy view-pcap-files <enable|disable>

set shared admin-role <name> role device webui validate <enable|disable>

set shared admin-role <name> role device webui save

set shared admin-role <name> role device webui save partial-save <enable|disable>

set shared admin-role <name> role device webui save save-for-other-admins <enable|disable>

set shared admin-role <name> role device webui commit

set shared admin-role <name> role device webui commit device <enable|disable>

set shared admin-role <name> role device webui commit commit-for-other-admins <enable|
disable>

set shared admin-role <name> role device webui tasks <enable|disable>

set shared admin-role <name> role device webui global

set shared admin-role <name> role device webui global system-alarms <enable|disable>

set shared admin-role <name> role device xmlapi

set shared admin-role <name> role device xmlapi report <enable|disable>

set shared admin-role <name> role device xmlapi log <enable|disable>

set shared admin-role <name> role device xmlapi config <enable|disable>

set shared admin-role <name> role device xmlapi op <enable|disable>

set shared admin-role <name> role device xmlapi commit <enable|disable>

set shared admin-role <name> role device xmlapi user-id <enable|disable>

set shared admin-role <name> role device xmlapi iot <enable|disable>

```



```
set shared admin-role <name> role device xmlapi export <enable|disable>
set shared admin-role <name> role device xmlapi import <enable|disable>
set shared admin-role <name> role device cli <superuser|superreader|deviceadmin|devicereader>
set shared admin-role <name> role device restapi
set shared admin-role <name> role device restapi objects
set shared admin-role <name> role device restapi objects addresses <enable|read-only|disable>
set shared admin-role <name> role device restapi objects address-groups <enable|read-only|
disable>
set shared admin-role <name> role device restapi objects regions <enable|read-only|disable>
set shared admin-role <name> role device restapi objects dynamic-user-groups <enable|read-only|
disable>
set shared admin-role <name> role device restapi objects applications <enable|read-only|disable>
set shared admin-role <name> role device restapi objects application-groups <enable|read-only|
disable>
set shared admin-role <name> role device restapi objects application-filters <enable|read-only|
disable>
set shared admin-role <name> role device restapi objects services <enable|read-only|disable>
set shared admin-role <name> role device restapi objects service-groups <enable|read-only|
disable>
set shared admin-role <name> role device restapi objects tags <enable|read-only|disable>
set shared admin-role <name> role device restapi objects devices <enable|read-only|disable>
set shared admin-role <name> role device restapi objects globalprotect-hip-objects <enable|read-
only|disable>
set shared admin-role <name> role device restapi objects globalprotect-hip-profiles <enable|read-
only|disable>
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only|disable>
set shared admin-role <name> role device restapi objects custom-data-patterns <enable|read-
only|disable>
set shared admin-role <name> role device restapi objects custom-spyware-signatures <enable|
read-only|disable>
set shared admin-role <name> role device restapi objects custom-vulnerability-signatures
<enable|read-only|disable>
set shared admin-role <name> role device restapi objects custom-url-categories <enable|read-
only|disable>
set shared admin-role <name> role device restapi objects antivirus-security-profiles <enable|read-
only|disable>
```

```

set shared admin-role <name> role device restapi objects anti-spyware-security-profiles <enable|
read-only|disable>

set shared admin-role <name> role device restapi objects vulnerability-protection-security-
profiles <enable|read-only|disable>

set shared admin-role <name> role device restapi objects url-filtering-security-profiles <enable|
read-only|disable>

set shared admin-role <name> role device restapi objects file-blocking-security-profiles <enable|
read-only|disable>

set shared admin-role <name> role device restapi objects wildfire-analysis-security-profiles
<enable|read-only|disable>

set shared admin-role <name> role device restapi objects data-filtering-security-profiles <enable|
read-only|disable>

set shared admin-role <name> role device restapi objects dos-protection-security-profiles
<enable|read-only|disable>

set shared admin-role <name> role device restapi objects security-profile-groups <enable|read-
only|disable>

set shared admin-role <name> role device restapi objects log-forwarding-profiles <enable|read-
only|disable>

set shared admin-role <name> role device restapi objects authentication-enforcements <enable|
read-only|disable>

set shared admin-role <name> role device restapi objects decryption-profiles <enable|read-only|
disable>

set shared admin-role <name> role device restapi objects packet-broker-profiles <enable|read-
only|disable>

set shared admin-role <name> role device restapi objects schedules <enable|read-only|disable>

set shared admin-role <name> role device restapi objects sdwan-path-quality-profiles <enable|
read-only|disable>

set shared admin-role <name> role device restapi objects sdwan-saas-quality-profiles <enable|
read-only|disable>

set shared admin-role <name> role device restapi objects sdwan-traffic-distribution-profiles
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set shared admin-role <name> role device restapi objects sdwan-error-correction-profiles
<enable|read-only|disable>

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set shared admin-role <name> role device restapi policies security-rules <enable|read-only|
disable>

set shared admin-role <name> role device restapi policies nat-rules <enable|read-only|disable>

set shared admin-role <name> role device restapi policies qos-rules <enable|read-only|disable>

```

```
set shared admin-role <name> role device restapi policies policy-based-forwarding-rules <enable|
read-only|disable>

set shared admin-role <name> role device restapi policies decryption-rules <enable|read-only|
disable>

set shared admin-role <name> role device restapi policies network-packet-broker-rules <enable|
read-only|disable>

set shared admin-role <name> role device restapi policies tunnel-inspection-rules <enable|read-
only|disable>

set shared admin-role <name> role device restapi policies application-override-rules <enable|read-
only|disable>

set shared admin-role <name> role device restapi policies authentication-rules <enable|read-only|
disable>

set shared admin-role <name> role device restapi policies dos-rules <enable|read-only|disable>
set shared admin-role <name> role device restapi policies sdwan-rules <enable|read-only|disable>
set shared admin-role <name> role device restapi network
set shared admin-role <name> role device restapi network aggregate-ethernet-interfaces <enable|
read-only|disable>
set shared admin-role <name> role device restapi network ethernet-interfaces <enable|read-only|
disable>
set shared admin-role <name> role device restapi network vlan-interfaces <enable|read-only|
disable>
set shared admin-role <name> role device restapi network loopback-interfaces <enable|read-only|
disable>
set shared admin-role <name> role device restapi network tunnel-interfaces <enable|read-only|
disable>
set shared admin-role <name> role device restapi network zones <enable|read-only|disable>
set shared admin-role <name> role device restapi network vlans <enable|read-only|disable>
set shared admin-role <name> role device restapi network virtual-wires <enable|read-only|
disable>
set shared admin-role <name> role device restapi network virtual-routers <enable|read-only|
disable>
set shared admin-role <name> role device restapi network logical-routers <enable|read-only|
disable>
set shared admin-role <name> role device restapi network bgp-routing-profiles <enable|read-
only|disable>
set shared admin-role <name> role device restapi network ipsec-tunnels <enable|read-only|
disable>
set shared admin-role <name> role device restapi network gre-tunnels <enable|read-only|disable>
```

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set shared admin-role <name> role device restapi network dhcp-servers <enable|read-only|
disable>

set shared admin-role <name> role device restapi network dhcp-relays <enable|read-only|disable>

set shared admin-role <name> role device restapi network dns-proxies <enable|read-only|disable>

set shared admin-role <name> role device restapi network globalprotect-portals <enable|read-
only|disable>

set shared admin-role <name> role device restapi network globalprotect-gateways <enable|read-
only|disable>

set shared admin-role <name> role device restapi network globalprotect-mdm-servers <enable|
read-only|disable>

set shared admin-role <name> role device restapi network globalprotect-clientless-apps <enable|
read-only|disable>

set shared admin-role <name> role device restapi network globalprotect-clientless-app-groups
<enable|read-only|disable>

set shared admin-role <name> role device restapi network qos-interfaces <enable|read-only|
disable>

set shared admin-role <name> role device restapi network lldp <enable|read-only|disable>

set shared admin-role <name> role device restapi network globalprotect-ipsec-crypto-network-
profiles <enable|read-only|disable>

set shared admin-role <name> role device restapi network ike-gateway-network-profiles <enable|
read-only|disable>

set shared admin-role <name> role device restapi network ipsec-crypto-network-profiles <enable|
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set shared admin-role <name> role device restapi network ike-crypto-network-profiles <enable|
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set shared admin-role <name> role device restapi network tunnel-monitor-network-profiles
<enable|read-only|disable>

set shared admin-role <name> role device restapi network interface-management-network-
profiles <enable|read-only|disable>

set shared admin-role <name> role device restapi network zone-protection-network-profiles
<enable|read-only|disable>

set shared admin-role <name> role device restapi network qos-network-profiles <enable|read-
only|disable>

set shared admin-role <name> role device restapi network lldp-network-profiles <enable|read-
only|disable>

set shared admin-role <name> role device restapi network bfd-network-profiles <enable|read-
only|disable>

set shared admin-role <name> role device restapi network sdwan-interfaces <enable|read-only|
disable>

```

```
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set shared admin-role <name> role device restapi device log-interface-setting <enable|read-only|disable>
set shared admin-role <name> role device restapi device virtual-systems <enable|read-only|disable>
set shared admin-role <name> role device restapi system
set shared admin-role <name> role device restapi system configuration <enable|read-only|disable>
set shared admin-role <name> role vsys
set shared admin-role <name> role vsys webui
set shared admin-role <name> role vsys webui dashboard <enable|disable>
set shared admin-role <name> role vsys webui acc <enable|disable>
set shared admin-role <name> role vsys webui monitor
set shared admin-role <name> role vsys webui monitor logs
set shared admin-role <name> role vsys webui monitor logs traffic <enable|disable>
set shared admin-role <name> role vsys webui monitor logs threat <enable|disable>
set shared admin-role <name> role vsys webui monitor logs url <enable|disable>
set shared admin-role <name> role vsys webui monitor logs wildfire <enable|disable>
set shared admin-role <name> role vsys webui monitor logs data-filtering <enable|disable>
set shared admin-role <name> role vsys webui monitor logs hipmatch <enable|disable>
set shared admin-role <name> role vsys webui monitor logs globalprotect <enable|disable>
set shared admin-role <name> role vsys webui monitor logs iptag <enable|disable>
set shared admin-role <name> role vsys webui monitor logs userid <enable|disable>
set shared admin-role <name> role vsys webui monitor logs decryption <enable|disable>
set shared admin-role <name> role vsys webui monitor logs gtp <enable|disable>
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set shared admin-role <name> role vsys webui monitor logs sctp <enable|disable>
set shared admin-role <name> role vsys webui monitor logs authentication <enable|disable>
set shared admin-role <name> role vsys webui monitor external-logs <enable|disable>
set shared admin-role <name> role vsys webui monitor automated-correlation-engine
set shared admin-role <name> role vsys webui monitor automated-correlation-engine correlation-objects <enable|disable>
```

```
set shared admin-role <name> role vsys webui monitor automated-correlation-engine correlated-
events <enable|disable>
set shared admin-role <name> role vsys webui monitor app-scope <enable|disable>
set shared admin-role <name> role vsys webui monitor session-browser <enable|read-only|
disable>
set shared admin-role <name> role vsys webui monitor block-ip-list <enable|read-only|disable>
set shared admin-role <name> role vsys webui monitor pdf-reports
set shared admin-role <name> role vsys webui monitor pdf-reports manage-pdf-summary
<enable|read-only|disable>
set shared admin-role <name> role vsys webui monitor pdf-reports pdf-summary-reports <enable|
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set shared admin-role <name> role vsys webui monitor pdf-reports user-activity-report <enable|
read-only|disable>
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<enable|read-only|disable>
set shared admin-role <name> role vsys webui monitor pdf-reports report-groups <enable|read-
only|disable>
set shared admin-role <name> role vsys webui monitor pdf-reports email-scheduler <enable|read-
only|disable>
set shared admin-role <name> role vsys webui monitor custom-reports
set shared admin-role <name> role vsys webui monitor custom-reports application-statistics
<enable|disable>
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disable>
set shared admin-role <name> role vsys webui monitor custom-reports threat-log <enable|
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set shared admin-role <name> role vsys webui monitor custom-reports threat-summary <enable|
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set shared admin-role <name> role vsys webui monitor custom-reports traffic-summary <enable|
disable>
set shared admin-role <name> role vsys webui monitor custom-reports url-log <enable|disable>
set shared admin-role <name> role vsys webui monitor custom-reports url-summary <enable|
disable>
set shared admin-role <name> role vsys webui monitor custom-reports hipmatch <enable|
disable>
set shared admin-role <name> role vsys webui monitor custom-reports globalprotect <enable|
disable>
```

```
set shared admin-role <name> role vsys webui monitor custom-reports wildfire-log <enable|
disable>
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set shared admin-role <name> role vsys webui monitor custom-reports sctp-summary <enable|
disable>
set shared admin-role <name> role vsys webui monitor custom-reports iptag <enable|disable>
set shared admin-role <name> role vsys webui monitor custom-reports userid <enable|disable>
set shared admin-role <name> role vsys webui monitor custom-reports auth <enable|disable>
set shared admin-role <name> role vsys webui monitor view-custom-reports <enable|disable>
set shared admin-role <name> role vsys webui policies
set shared admin-role <name> role vsys webui policies security-rulebase <enable|read-only|
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set shared admin-role <name> role vsys webui policies nat-rulebase <enable|read-only|disable>
set shared admin-role <name> role vsys webui policies qos-rulebase <enable|read-only|disable>
set shared admin-role <name> role vsys webui policies pbf-rulebase <enable|read-only|disable>
set shared admin-role <name> role vsys webui policies ssl-decryption-rulebase <enable|read-only|
disable>
set shared admin-role <name> role vsys webui policies network-packet-broker-rulebase <enable|
read-only|disable>
set shared admin-role <name> role vsys webui policies tunnel-inspect-rulebase <enable|read-only|
disable>
set shared admin-role <name> role vsys webui policies application-override-rulebase <enable|
read-only|disable>
set shared admin-role <name> role vsys webui policies authentication-rulebase <enable|read-only|
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set shared admin-role <name> role vsys webui policies dos-rulebase <enable|read-only|disable>
set shared admin-role <name> role vsys webui policies sdwan-rulebase <enable|read-only|
disable>
set shared admin-role <name> role vsys webui policies rule-hit-count-reset <enable|disable>
set shared admin-role <name> role vsys webui objects
```

```
set shared admin-role <name> role vsys webui objects addresses <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects address-groups <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects regions <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects dynamic-user-groups <enable|read-only|
disable>
set shared admin-role <name> role vsys webui objects applications <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects application-groups <enable|read-only|
disable>
set shared admin-role <name> role vsys webui objects application-filters <enable|read-only|
disable>
set shared admin-role <name> role vsys webui objects services <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects service-groups <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects tags <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects devices <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects global-protect
set shared admin-role <name> role vsys webui objects global-protect hip-objects <enable|read-
only|disable>
set shared admin-role <name> role vsys webui objects global-protect hip-profiles <enable|read-
only|disable>
set shared admin-role <name> role vsys webui objects dynamic-block-lists <enable|read-only|
disable>
set shared admin-role <name> role vsys webui objects custom-objects
set shared admin-role <name> role vsys webui objects custom-objects data-patterns <enable|
read-only|disable>
set shared admin-role <name> role vsys webui objects custom-objects spyware <enable|read-
only|disable>
set shared admin-role <name> role vsys webui objects custom-objects vulnerability <enable|read-
only|disable>
set shared admin-role <name> role vsys webui objects custom-objects url-category <enable|read-
only|disable>
set shared admin-role <name> role vsys webui objects security-profiles
set shared admin-role <name> role vsys webui objects security-profiles antivirus <enable|read-
only|disable>
set shared admin-role <name> role vsys webui objects security-profiles anti-spyware <enable|
read-only|disable>
set shared admin-role <name> role vsys webui objects security-profiles vulnerability-protection
<enable|read-only|disable>
```



```

set shared admin-role <name> role vsys webui objects security-profiles url-filtering <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects security-profiles file-blocking <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects security-profiles wildfire-analysis <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects security-profiles data-filtering <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects security-profiles dos-protection <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects security-profile-groups <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects log-forwarding <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects authentication <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects decryption
set shared admin-role <name> role vsys webui objects decryption decryption-profile <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects packet-broker-profile <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects sdwan
set shared admin-role <name> role vsys webui objects sdwan sdwan-profile <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects sdwan sdwan-saas-quality-profile <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects sdwan sdwan-dist-profile <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects sdwan sdwan-error-correction-profile <enable|read-only|disable>
set shared admin-role <name> role vsys webui objects schedules <enable|read-only|disable>
set shared admin-role <name> role vsys webui network
set shared admin-role <name> role vsys webui network zones <enable|read-only|disable>
set shared admin-role <name> role vsys webui network global-protect
set shared admin-role <name> role vsys webui network global-protect portals <enable|read-only|disable>
set shared admin-role <name> role vsys webui network global-protect gateways <enable|read-only|disable>
set shared admin-role <name> role vsys webui network global-protect mdm <enable|read-only|disable>

```

```

set shared admin-role <name> role vsys webui network global-protect clientless-apps <enable|
read-only|disable>

set shared admin-role <name> role vsys webui network global-protect clientless-app-groups
<enable|read-only|disable>

set shared admin-role <name> role vsys webui network sdwan-interface-profile <enable|read-
only|disable>

set shared admin-role <name> role vsys webui device

set shared admin-role <name> role vsys webui device setup

set shared admin-role <name> role vsys webui device setup management <read-only|disable>

set shared admin-role <name> role vsys webui device setup operations <read-only|disable>

set shared admin-role <name> role vsys webui device setup services <enable|read-only|disable>

set shared admin-role <name> role vsys webui device setup interfaces <enable|read-only|disable>

set shared admin-role <name> role vsys webui device setup telemetry <read-only|disable>

set shared admin-role <name> role vsys webui device setup content-id <read-only|disable>

set shared admin-role <name> role vsys webui device setup wildfire <read-only|disable>

set shared admin-role <name> role vsys webui device setup session <read-only|disable>

set shared admin-role <name> role vsys webui device setup hsm <read-only|disable>

set shared admin-role <name> role vsys webui device administrators <read-only|disable>

set shared admin-role <name> role vsys webui device authentication-profile <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device authentication-sequence <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device user-identification <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device data-redistribution <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device device-quarantine <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device vm-info-source <enable|read-only|disable>

set shared admin-role <name> role vsys webui device troubleshooting <enable|read-only|disable>

set shared admin-role <name> role vsys webui device certificate-management

set shared admin-role <name> role vsys webui device certificate-management certificates
<enable|read-only|disable>

set shared admin-role <name> role vsys webui device certificate-management certificate-profile
<enable|read-only|disable>

set shared admin-role <name> role vsys webui device certificate-management ocsf-responder
<enable|read-only|disable>

```

```

set shared admin-role <name> role vsys webui device certificate-management ssl-tls-service-
profile <enable|read-only|disable>

set shared admin-role <name> role vsys webui device certificate-management scep <enable|read-
only|disable>

set shared admin-role <name> role vsys webui device certificate-management ssl-decryption-
exclusion <enable|read-only|disable>

set shared admin-role <name> role vsys webui device certificate-management ssh-service-profile
<enable|read-only|disable>

set shared admin-role <name> role vsys webui device block-pages <enable|read-only|disable>

set shared admin-role <name> role vsys webui device log-settings

set shared admin-role <name> role vsys webui device log-settings system <read-only|disable>

set shared admin-role <name> role vsys webui device log-settings config <read-only|disable>

set shared admin-role <name> role vsys webui device log-settings iptag <read-only|disable>

set shared admin-role <name> role vsys webui device log-settings user-id <read-only|disable>

set shared admin-role <name> role vsys webui device log-settings hipmatch <read-only|disable>

set shared admin-role <name> role vsys webui device log-settings globalprotect <read-only|
disable>

set shared admin-role <name> role vsys webui device log-settings correlation <read-only|disable>

set shared admin-role <name> role vsys webui device server-profile

set shared admin-role <name> role vsys webui device server-profile snmp-trap <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device server-profile syslog <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device server-profile email <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device server-profile http <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device server-profile netflow <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device server-profile radius <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device server-profile tacplus <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device server-profile ldap <enable|read-only|
disable>

set shared admin-role <name> role vsys webui device server-profile kerberos <enable|read-only|
disable>

```

```
set shared admin-role <name> role vsys webui device server-profile saml_idp <enable|read-only|
disable>
set shared admin-role <name> role vsys webui device server-profile dns <enable|read-only|
disable>
set shared admin-role <name> role vsys webui device server-profile mfa <enable|read-only|
disable>
set shared admin-role <name> role vsys webui device local-user-database
set shared admin-role <name> role vsys webui device local-user-database users <enable|read-
only|disable>
set shared admin-role <name> role vsys webui device local-user-database user-groups <enable|
read-only|disable>
set shared admin-role <name> role vsys webui device policy-recommendations
set shared admin-role <name> role vsys webui device policy-recommendations iot <enable|read-
only|disable>
set shared admin-role <name> role vsys webui device policy-recommendations saas <enable|read-
only|disable>
set shared admin-role <name> role vsys webui operations
set shared admin-role <name> role vsys webui operations reboot <enable|disable>
set shared admin-role <name> role vsys webui operations generate-tech-support-file <enable|
disable>
set shared admin-role <name> role vsys webui operations generate-stats-dump-file <enable|
disable>
set shared admin-role <name> role vsys webui operations download-core-files <enable|disable>
set shared admin-role <name> role vsys webui privacy
set shared admin-role <name> role vsys webui privacy show-full-ip-addresses <enable|disable>
set shared admin-role <name> role vsys webui privacy show-user-names-in-logs-and-reports
<enable|disable>
set shared admin-role <name> role vsys webui privacy view-pcap-files <enable|disable>
set shared admin-role <name> role vsys webui validate <enable|disable>
set shared admin-role <name> role vsys webui save
set shared admin-role <name> role vsys webui save partial-save <enable|disable>
set shared admin-role <name> role vsys webui save save-for-other-admins <enable|disable>
set shared admin-role <name> role vsys webui commit
set shared admin-role <name> role vsys webui commit virtual-systems <enable|disable>
set shared admin-role <name> role vsys webui commit commit-for-other-admins <enable|disable>
set shared admin-role <name> role vsys webui tasks <enable|disable>
set shared admin-role <name> role vsys xmlapi
```

```

set shared admin-role <name> role vsys xmlapi report <enable|disable>
set shared admin-role <name> role vsys xmlapi log <enable|disable>
set shared admin-role <name> role vsys xmlapi config <enable|disable>
set shared admin-role <name> role vsys xmlapi op <enable|disable>
set shared admin-role <name> role vsys xmlapi commit <enable|disable>
set shared admin-role <name> role vsys xmlapi user-id <enable|disable>
set shared admin-role <name> role vsys xmlapi iot <enable|disable>
set shared admin-role <name> role vsys xmlapi export <enable|disable>
set shared admin-role <name> role vsys xmlapi import <enable|disable>
set shared admin-role <name> role vsys cli <vsysadmin|vsysreader>
set shared admin-role <name> role vsys restapi
set shared admin-role <name> role vsys restapi objects
set shared admin-role <name> role vsys restapi objects addresses <enable|read-only|disable>
set shared admin-role <name> role vsys restapi objects address-groups <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi objects regions <enable|read-only|disable>
set shared admin-role <name> role vsys restapi objects dynamic-user-groups <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi objects applications <enable|read-only|disable>
set shared admin-role <name> role vsys restapi objects application-groups <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi objects application-filters <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi objects services <enable|read-only|disable>
set shared admin-role <name> role vsys restapi objects service-groups <enable|read-only|disable>
set shared admin-role <name> role vsys restapi objects tags <enable|read-only|disable>
set shared admin-role <name> role vsys restapi objects devices <enable|read-only|disable>
set shared admin-role <name> role vsys restapi objects globalprotect-hip-objects <enable|read-
only|disable>
set shared admin-role <name> role vsys restapi objects globalprotect-hip-profiles <enable|read-
only|disable>
set shared admin-role <name> role vsys restapi objects external-dynamic-lists <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi objects custom-data-patterns <enable|read-only|
disable>

```

```

set shared admin-role <name> role vsys restapi objects custom-spyware-signatures <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects custom-vulnerability-signatures <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects custom-url-categories <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects antivirus-security-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects anti-spyware-security-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects vulnerability-protection-security-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects url-filtering-security-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects file-blocking-security-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects wildfire-analysis-security-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects data-filtering-security-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects dos-protection-security-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects security-profile-groups <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects log-forwarding-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects authentication-enforcements <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects decryption-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects packet-broker-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects schedules <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects sdwan-path-quality-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects sdwan-saas-quality-profiles <enable|read-only|disable>

set shared admin-role <name> role vsys restapi objects sdwan-traffic-distribution-profiles <enable|read-only|disable>

```

```
set shared admin-role <name> role vsys restapi objects sdwan-error-correction-profiles <enable|
read-only|disable>
set shared admin-role <name> role vsys restapi policies
set shared admin-role <name> role vsys restapi policies security-rules <enable|read-only|disable>
set shared admin-role <name> role vsys restapi policies nat-rules <enable|read-only|disable>
set shared admin-role <name> role vsys restapi policies qos-rules <enable|read-only|disable>
set shared admin-role <name> role vsys restapi policies policy-based-forwarding-rules <enable|
read-only|disable>
set shared admin-role <name> role vsys restapi policies decryption-rules <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi policies network-packet-broker-rules <enable|
read-only|disable>
set shared admin-role <name> role vsys restapi policies tunnel-inspection-rules <enable|read-
only|disable>
set shared admin-role <name> role vsys restapi policies application-override-rules <enable|read-
only|disable>
set shared admin-role <name> role vsys restapi policies authentication-rules <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi policies dos-rules <enable|read-only|disable>
set shared admin-role <name> role vsys restapi policies sdwan-rules <enable|read-only|disable>
set shared admin-role <name> role vsys restapi network
set shared admin-role <name> role vsys restapi network zones <enable|read-only|disable>
set shared admin-role <name> role vsys restapi network globalprotect-portals <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi network globalprotect-gateways <enable|read-
only|disable>
set shared admin-role <name> role vsys restapi network globalprotect-mdm-servers <enable|
read-only|disable>
set shared admin-role <name> role vsys restapi network globalprotect-clientless-apps <enable|
read-only|disable>
set shared admin-role <name> role vsys restapi network globalprotect-clientless-app-groups
<enable|read-only|disable>
set shared admin-role <name> role vsys restapi device
set shared admin-role <name> role vsys restapi device log-interface-setting <enable|read-only|
disable>
set shared admin-role <name> role vsys restapi device virtual-systems <enable|read-only|disable>
set shared admin-role <name> role vsys restapi system
set shared admin-role <name> role vsys restapi system configuration <enable|read-only|disable>
```

```
set shared scep
set shared scep <name>
set shared scep <name> scep-challenge
set shared scep <name> scep-challenge none
set shared scep <name> scep-challenge fixed <value>
set shared scep <name> scep-challenge dynamic
set shared scep <name> scep-challenge dynamic otp-server-url <value>
set shared scep <name> scep-challenge dynamic otp-server-url <value>
set shared scep <name> scep-challenge dynamic username <value>
set shared scep <name> scep-challenge dynamic password <value>
set shared scep <name> scep-url <value>
set shared scep <name> scep-url <value>
set shared scep <name> scep-ca-cert <value>
set shared scep <name> scep-client-cert <value>
set shared scep <name> ca-identity-name <value>
set shared scep <name> subject <value>
set shared scep <name> algorithm
set shared scep <name> algorithm rsa
set shared scep <name> algorithm rsa rsa-nbits <value>
set shared scep <name> digest <value>
set shared scep <name> fingerprint <value>
set shared scep <name> certificate-attributes
set shared scep <name> certificate-attributes rfc822name <value>
set shared scep <name> certificate-attributes dnsname <value>
set shared scep <name> certificate-attributes uniform-resource-identifier <value>
set shared scep <name> use-as-digital-signature <yes|no>
set shared scep <name> use-for-key-encipherment <yes|no>
set shared user-id-hub
set shared user-id-hub vsys <value>
set shared user-id-hub ip-user-mapping <yes|no>
set shared user-id-hub user-group-mapping <yes|no>
set vsys
set vsys <name>
```



```
set vsys <name> display-name <value>
set vsys <name> setting
set vsys <name> setting nat
set vsys <name> setting nat reserve-ip <yes|no>
set vsys <name> setting nat reserve-time <1-604800>
set vsys <name> setting ssl-decrypt
set vsys <name> setting ssl-decrypt allow-forward-decrypted-content <yes|no>
set vsys <name> setting ssl-decrypt url-wait <yes|no>
set vsys <name> setting ssl-decrypt url-proxy <yes|no>
set vsys <name> setting ssl-decrypt notify-user <yes|no>
set vsys <name> setting ssl-decrypt answer-timeout <1-86400>
set vsys <name> import
set vsys <name> import dns-proxy <value>
set vsys <name> import network
set vsys <name> import network interface [ <interface1> <interface2>... ]
set vsys <name> import network virtual-wire [ <virtual-wire1> <virtual-wire2>... ]
set vsys <name> import network vlan [ <vlan1> <vlan2>... ]
set vsys <name> import network virtual-router [ <virtual-router1> <virtual-router2>... ]
set vsys <name> import network logical-router [ <logical-router1> <logical-router2>... ]
set vsys <name> import resource
set vsys <name> import resource max-sessions <1-4194290>
set vsys <name> import resource max-site-to-site-vpn-tunnels <0-10000>
set vsys <name> import resource max-concurrent-ssl-vpn-tunnels <0-65535>
set vsys <name> import resource max-security-rules <0-65000>
set vsys <name> import resource max-nat-rules <0-16000>
set vsys <name> import resource max-ssl-decryption-rules <0-5000>
set vsys <name> import resource max-qos-rules <0-8000>
set vsys <name> import resource max-application-override-rules <0-4000>
set vsys <name> import resource max-pbf-rules <0-2000>
set vsys <name> import resource max-auth-rules <0-8000>
set vsys <name> import resource max-dos-rules <0-2000>
set vsys <name> import resource max-sdwan-rules <0-2000>
set vsys <name> import visible-vsys [ <visible-vsys1> <visible-vsys2>... ]
```

```

set vsys <name> route
set vsys <name> route service
set vsys <name> route service <name>
set vsys <name> route service <name> source
set vsys <name> route service <name> source interface <value>
set vsys <name> route service <name> source address <value>
set vsys <name> route service <name> source-v6
set vsys <name> route service <name> source-v6 interface <value>
set vsys <name> route service <name> source-v6 address <value>
set vsys <name> authentication-profile
set vsys <name> authentication-profile <name>
set vsys <name> authentication-profile <name> username-modifier <value>|<validate>|<
%USERINPUT%|%USERINPUT%@%USERDOMAIN%|%USERDOMAIN%\%USERINPUT%>
set vsys <name> authentication-profile <name> user-domain <value>
set vsys <name> authentication-profile <name> single-sign-on
set vsys <name> authentication-profile <name> single-sign-on realm <value>
set vsys <name> authentication-profile <name> single-sign-on service-principal <value>
set vsys <name> authentication-profile <name> single-sign-on kerberos-keytab <value>
set vsys <name> authentication-profile <name> single-sign-on kerberos-keytab <value>
set vsys <name> authentication-profile <name> lockout
set vsys <name> authentication-profile <name> lockout failed-attempts <0-10>
set vsys <name> authentication-profile <name> lockout lockout-time <0-60>
set vsys <name> authentication-profile <name> allow-list [ <allow-list1> <allow-list2>... ]
set vsys <name> authentication-profile <name> method
set vsys <name> authentication-profile <name> method none
set vsys <name> authentication-profile <name> method cloud
set vsys <name> authentication-profile <name> method cloud region
set vsys <name> authentication-profile <name> method cloud region region_id <value>
set vsys <name> authentication-profile <name> method cloud region tenant
set vsys <name> authentication-profile <name> method cloud region tenant tenant_id <value>
set vsys <name> authentication-profile <name> method cloud region tenant profile
set vsys <name> authentication-profile <name> method cloud region tenant profile profile_id
<value>
set vsys <name> authentication-profile <name> method cloud region tenant profile mfa

```

```

set vsys <name> authentication-profile <name> method cloud region tenant profile mfa force-mfa
<value>
set vsys <name> authentication-profile <name> method cloud clock-skew <1-900>
set vsys <name> authentication-profile <name> method local-database
set vsys <name> authentication-profile <name> method radius
set vsys <name> authentication-profile <name> method radius server-profile <value>
set vsys <name> authentication-profile <name> method radius checkgroup <yes|no>
set vsys <name> authentication-profile <name> method ldap
set vsys <name> authentication-profile <name> method ldap server-profile <value>
set vsys <name> authentication-profile <name> method ldap login-attribute <value>
set vsys <name> authentication-profile <name> method ldap passwd-exp-days <0-255>
set vsys <name> authentication-profile <name> method kerberos
set vsys <name> authentication-profile <name> method kerberos server-profile <value>
set vsys <name> authentication-profile <name> method kerberos realm <value>
set vsys <name> authentication-profile <name> method tacplus
set vsys <name> authentication-profile <name> method tacplus server-profile <value>
set vsys <name> authentication-profile <name> method tacplus checkgroup <yes|no>
set vsys <name> authentication-profile <name> method saml-idp
set vsys <name> authentication-profile <name> method saml-idp server-profile <value>
set vsys <name> authentication-profile <name> method saml-idp enable-single-logout <yes|no>
set vsys <name> authentication-profile <name> method saml-idp request-signing-certificate
<value>
set vsys <name> authentication-profile <name> method saml-idp certificate-profile <value>
set vsys <name> authentication-profile <name> method saml-idp attribute-name-username
<value>
set vsys <name> authentication-profile <name> method saml-idp attribute-name-usergroup
<value>
set vsys <name> authentication-profile <name> method saml-idp attribute-name-admin-role
<value>
set vsys <name> authentication-profile <name> method saml-idp attribute-name-access-domain
<value>
set vsys <name> authentication-profile <name> multi-factor-auth
set vsys <name> authentication-profile <name> multi-factor-auth mfa-enable <yes|no>
set vsys <name> authentication-profile <name> multi-factor-auth factors [ <factors1>
<factors2>... ]
set vsys <name> authentication-sequence

```

```

set vsys <name> authentication-sequence <name>
set vsys <name> authentication-sequence <name> use-domain-find-profile <yes|no>
set vsys <name> authentication-sequence <name> authentication-profiles [ <authentication-
profiles1> <authentication-profiles2>... ]
set vsys <name> certificate-profile
set vsys <name> certificate-profile <name>
set vsys <name> certificate-profile <name> username-field
set vsys <name> certificate-profile <name> username-field subject <common-name>
set vsys <name> certificate-profile <name> username-field subject-alt <email|principal-name>
set vsys <name> certificate-profile <name> domain <value>
set vsys <name> certificate-profile <name> CA
set vsys <name> certificate-profile <name> CA <name>
set vsys <name> certificate-profile <name> CA <name> default-ocsp-url <value>
set vsys <name> certificate-profile <name> CA <name> ocsp-verify-cert <value>
set vsys <name> certificate-profile <name> CA <name> template-name <value>
set vsys <name> certificate-profile <name> use-crl <yes|no>
set vsys <name> certificate-profile <name> use-ocsp <yes|no>
set vsys <name> certificate-profile <name> crl-receive-timeout <1-60>
set vsys <name> certificate-profile <name> ocsp-receive-timeout <1-60>
set vsys <name> certificate-profile <name> ocsp-exclude-nonce <yes|no>
set vsys <name> certificate-profile <name> cert-status-timeout <0-60>
set vsys <name> certificate-profile <name> block-unknown-cert <yes|no>
set vsys <name> certificate-profile <name> block-timeout-cert <yes|no>
set vsys <name> certificate-profile <name> block-unauthenticated-cert <yes|no>
set vsys <name> certificate-profile <name> block-expired-cert <yes|no>
set vsys <name> server-profile
set vsys <name> server-profile ldap
set vsys <name> server-profile ldap <name>
set vsys <name> server-profile ldap <name> ldap-type <active-directory|e-directory|sun|other>
set vsys <name> server-profile ldap <name> server
set vsys <name> server-profile ldap <name> server <name>
set vsys <name> server-profile ldap <name> server <name> address <ip/netmask>|<value>
set vsys <name> server-profile ldap <name> server <name> port <1-65535>
set vsys <name> server-profile ldap <name> ssl <yes|no>

```

```

set vsys <name> server-profile ldap <name> ssl <yes>
set vsys <name> server-profile ldap <name> verify-server-certificate <yes|no>
set vsys <name> server-profile ldap <name> disabled <yes|no>
set vsys <name> server-profile ldap <name> base <value>
set vsys <name> server-profile ldap <name> bind-dn <value>
set vsys <name> server-profile ldap <name> bind-password <value>
set vsys <name> server-profile ldap <name> timelimit <1-30>
set vsys <name> server-profile ldap <name> bind-timelimit <1-60>
set vsys <name> server-profile ldap <name> retry-interval <60-3600>
set vsys <name> server-profile radius
set vsys <name> server-profile radius <name>
set vsys <name> server-profile radius <name> timeout <1-120>
set vsys <name> server-profile radius <name> retries <1-5>
set vsys <name> server-profile radius <name> protocol
set vsys <name> server-profile radius <name> protocol CHAP
set vsys <name> server-profile radius <name> protocol PAP
set vsys <name> server-profile radius <name> protocol PEAP-MSCHAPv2
set vsys <name> server-profile radius <name> protocol PEAP-MSCHAPv2 anon-outer-id <yes|no>
set vsys <name> server-profile radius <name> protocol PEAP-MSCHAPv2 allow-pwd-change <yes|no>
set vsys <name> server-profile radius <name> protocol PEAP-MSCHAPv2 radius-cert-profile <value>
set vsys <name> server-profile radius <name> protocol PEAP-with-GTC
set vsys <name> server-profile radius <name> protocol PEAP-with-GTC anon-outer-id <yes|no>
set vsys <name> server-profile radius <name> protocol PEAP-with-GTC radius-cert-profile <value>
set vsys <name> server-profile radius <name> protocol EAP-TTLS-with-PAP
set vsys <name> server-profile radius <name> protocol EAP-TTLS-with-PAP anon-outer-id <yes|no>
set vsys <name> server-profile radius <name> protocol EAP-TTLS-with-PAP radius-cert-profile <value>
set vsys <name> server-profile radius <name> server
set vsys <name> server-profile radius <name> server <name>
set vsys <name> server-profile radius <name> server <name> ip-address <ip/netmask>|<value>

```

```
set vsys <name> server-profile radius <name> server <name> secret <value>
set vsys <name> server-profile radius <name> server <name> port <1-65535>
set vsys <name> server-profile kerberos
set vsys <name> server-profile kerberos <name>
set vsys <name> server-profile kerberos <name> server
set vsys <name> server-profile kerberos <name> server <name>
set vsys <name> server-profile kerberos <name> server <name> host <ip/netmask>|<value>
set vsys <name> server-profile kerberos <name> server <name> port <1-65535>
set vsys <name> server-profile tacplus
set vsys <name> server-profile tacplus <name>
set vsys <name> server-profile tacplus <name> timeout <1-30>
set vsys <name> server-profile tacplus <name> use-single-connection <yes|no>
set vsys <name> server-profile tacplus <name> protocol <CHAP|PAP>
set vsys <name> server-profile tacplus <name> server
set vsys <name> server-profile tacplus <name> server <name>
set vsys <name> server-profile tacplus <name> server <name> address <ip/netmask>|<value>
set vsys <name> server-profile tacplus <name> server <name> secret <value>
set vsys <name> server-profile tacplus <name> server <name> port <1-65535>
set vsys <name> server-profile saml-idp
set vsys <name> server-profile saml-idp <name>
set vsys <name> server-profile saml-idp <name> entity-id <value>
set vsys <name> server-profile saml-idp <name> certificate <value>
set vsys <name> server-profile saml-idp <name> sso-url <value>
set vsys <name> server-profile saml-idp <name> sso-bindings <post|redirect>
set vsys <name> server-profile saml-idp <name> slo-url <value>
set vsys <name> server-profile saml-idp <name> slo-bindings <post|redirect>
set vsys <name> server-profile saml-idp <name> validate-idp-certificate <yes|no>
set vsys <name> server-profile saml-idp <name> want-auth-requests-signed <yes|no>
set vsys <name> server-profile saml-idp <name> max-clock-skew <1-900>
set vsys <name> server-profile netflow
set vsys <name> server-profile netflow <name>
set vsys <name> server-profile netflow <name> template-refresh-rate
set vsys <name> server-profile netflow <name> template-refresh-rate minutes <1-3600>
```

```

set vsys <name> server-profile netflow <name> template-refresh-rate packets <1-600>
set vsys <name> server-profile netflow <name> active-timeout <1-60>
set vsys <name> server-profile netflow <name> export-enterprise-fields <yes|no>
set vsys <name> server-profile netflow <name> server
set vsys <name> server-profile netflow <name> server <name>
set vsys <name> server-profile netflow <name> server <name> host <ip/netmask>|<value>
set vsys <name> server-profile netflow <name> server <name> port <1-65535>
set vsys <name> server-profile dns
set vsys <name> server-profile dns <name>
set vsys <name> server-profile dns <name> inheritance
set vsys <name> server-profile dns <name> inheritance source <value>
set vsys <name> server-profile dns <name> primary <validate>|<ip/netmask>|<inherited>
set vsys <name> server-profile dns <name> secondary <validate>|<ip/netmask>|<inherited>
set vsys <name> server-profile dns <name> source
set vsys <name> server-profile dns <name> source interface <value>
set vsys <name> server-profile dns <name> source address <value>
set vsys <name> server-profile dns <name> source-v6
set vsys <name> server-profile dns <name> source-v6 interface <value>
set vsys <name> server-profile dns <name> source-v6 address <value>
set vsys <name> server-profile mfa-server-profile
set vsys <name> server-profile mfa-server-profile <name>
set vsys <name> server-profile mfa-server-profile <name> mfa-vendor-type <value>
set vsys <name> server-profile mfa-server-profile <name> mfa-cert-profile <value>
set vsys <name> server-profile mfa-server-profile <name> mfa-config
set vsys <name> server-profile mfa-server-profile <name> mfa-config <name>
set vsys <name> server-profile mfa-server-profile <name> mfa-config <name> value <value>
set vsys <name> dns-proxy
set vsys <name> dns-proxy <name>
set vsys <name> dns-proxy <name> enabled <yes|no>
set vsys <name> dns-proxy <name> interface [ <interface1> <interface2>... ]
set vsys <name> dns-proxy <name> server-profile <value>
set vsys <name> dns-proxy <name> domain-servers
set vsys <name> dns-proxy <name> domain-servers <name>

```

```
set vsys <name> dns-proxy <name> domain-servers <name> cacheable <yes|no>
set vsys <name> dns-proxy <name> domain-servers <name> domain-name [ <domain-name1>
<domain-name2>... ]
set vsys <name> dns-proxy <name> domain-servers <name> server-profile <value>
set vsys <name> dns-proxy <name> cache
set vsys <name> dns-proxy <name> cache enabled <yes|no>
set vsys <name> dns-proxy <name> cache cache-edns <yes|no>
set vsys <name> dns-proxy <name> cache max-ttl
set vsys <name> dns-proxy <name> cache max-ttl enabled <yes|no>
set vsys <name> dns-proxy <name> cache max-ttl time-to-live <60-86400>
set vsys <name> dns-proxy <name> static-entries
set vsys <name> dns-proxy <name> static-entries <name>
set vsys <name> dns-proxy <name> static-entries <name> domain <value>
set vsys <name> dns-proxy <name> static-entries <name> address [ <address1> <address2>... ]
set vsys <name> dns-proxy <name> tcp-queries
set vsys <name> dns-proxy <name> tcp-queries enabled <yes|no>
set vsys <name> dns-proxy <name> tcp-queries max-pending-requests <64-256>
set vsys <name> dns-proxy <name> udp-queries
set vsys <name> dns-proxy <name> udp-queries retries
set vsys <name> dns-proxy <name> udp-queries retries interval <1-30>
set vsys <name> dns-proxy <name> udp-queries retries attempts <1-30>
set vsys <name> log-settings
set vsys <name> log-settings snmptrap
set vsys <name> log-settings snmptrap <name>
set vsys <name> log-settings snmptrap <name> version
set vsys <name> log-settings snmptrap <name> version v2c
set vsys <name> log-settings snmptrap <name> version v2c server
set vsys <name> log-settings snmptrap <name> version v2c server <name>
set vsys <name> log-settings snmptrap <name> version v2c server <name> manager <ip/
netmask>|<value>
set vsys <name> log-settings snmptrap <name> version v2c server <name> community <value>
set vsys <name> log-settings snmptrap <name> version v3
set vsys <name> log-settings snmptrap <name> version v3 server
set vsys <name> log-settings snmptrap <name> version v3 server <name>
```



```

set vsys <name> log-settings snmptrap <name> version v3 server <name> manager <ip/
netmask>|<value>
set vsys <name> log-settings snmptrap <name> version v3 server <name> user <value>
set vsys <name> log-settings snmptrap <name> version v3 server <name> engineid <value>
set vsys <name> log-settings snmptrap <name> version v3 server <name> authpwd <value>
set vsys <name> log-settings snmptrap <name> version v3 server <name> privpwd <value>
set vsys <name> log-settings snmptrap <name> version v3 server <name> authproto <SHA|
SHA-224|SHA-256|SHA-384|SHA-512>
set vsys <name> log-settings snmptrap <name> version v3 server <name> privproto <AES|
AES-192|AES-256>
set vsys <name> log-settings email
set vsys <name> log-settings email <name>
set vsys <name> log-settings email <name> server
set vsys <name> log-settings email <name> server <name>
set vsys <name> log-settings email <name> server <name> display-name <value>
set vsys <name> log-settings email <name> server <name> from <value>
set vsys <name> log-settings email <name> server <name> to <value>
set vsys <name> log-settings email <name> server <name> and-also-to <value>
set vsys <name> log-settings email <name> server <name> gateway <value>
set vsys <name> log-settings email <name> server <name> protocol <SMTP|TLS>
set vsys <name> log-settings email <name> server <name> port <1-65535>
set vsys <name> log-settings email <name> server <name> tls-version <1.2|1.1>
set vsys <name> log-settings email <name> server <name> auth <Auto|Login|Plain>
set vsys <name> log-settings email <name> server <name> certificate-profile <value>
set vsys <name> log-settings email <name> server <name> username <value>
set vsys <name> log-settings email <name> server <name> password <value>
set vsys <name> log-settings email <name> format
set vsys <name> log-settings email <name> format traffic <value>
set vsys <name> log-settings email <name> format threat <value>
set vsys <name> log-settings email <name> format wildfire <value>
set vsys <name> log-settings email <name> format url <value>
set vsys <name> log-settings email <name> format data <value>
set vsys <name> log-settings email <name> format tunnel <value>
set vsys <name> log-settings email <name> format auth <value>

```

```

set vsys <name> log-settings email <name> format userid <value>
set vsys <name> log-settings email <name> format iptag <value>
set vsys <name> log-settings email <name> format decryption <value>
set vsys <name> log-settings email <name> format config <value>
set vsys <name> log-settings email <name> format system <value>
set vsys <name> log-settings email <name> format globalprotect <value>
set vsys <name> log-settings email <name> format hip-match <value>
set vsys <name> log-settings email <name> format correlation <value>
set vsys <name> log-settings email <name> format escaping
set vsys <name> log-settings email <name> format escaping escaped-characters <value>
set vsys <name> log-settings email <name> format escaping escape-character <value>
set vsys <name> log-settings syslog
set vsys <name> log-settings syslog <name>
set vsys <name> log-settings syslog <name> server
set vsys <name> log-settings syslog <name> server <name>
set vsys <name> log-settings syslog <name> server <name> server <value>
set vsys <name> log-settings syslog <name> server <name> transport <UDP|TCP|SSL>
set vsys <name> log-settings syslog <name> server <name> port <1-65535>
set vsys <name> log-settings syslog <name> server <name> format <BSD|IETF>
set vsys <name> log-settings syslog <name> server <name> facility <LOG_USER|LOG_LOCAL0|
LOG_LOCAL1|LOG_LOCAL2|LOG_LOCAL3|LOG_LOCAL4|LOG_LOCAL5|LOG_LOCAL6|
LOG_LOCAL7>
set vsys <name> log-settings syslog <name> format
set vsys <name> log-settings syslog <name> format traffic <value>
set vsys <name> log-settings syslog <name> format threat <value>
set vsys <name> log-settings syslog <name> format wildfire <value>
set vsys <name> log-settings syslog <name> format url <value>
set vsys <name> log-settings syslog <name> format data <value>
set vsys <name> log-settings syslog <name> format tunnel <value>
set vsys <name> log-settings syslog <name> format auth <value>
set vsys <name> log-settings syslog <name> format userid <value>
set vsys <name> log-settings syslog <name> format iptag <value>
set vsys <name> log-settings syslog <name> format decryption <value>
set vsys <name> log-settings syslog <name> format config <value>

```

```
set vsys <name> log-settings syslog <name> format system <value>
set vsys <name> log-settings syslog <name> format globalprotect <value>
set vsys <name> log-settings syslog <name> format hip-match <value>
set vsys <name> log-settings syslog <name> format correlation <value>
set vsys <name> log-settings syslog <name> format escaping
set vsys <name> log-settings syslog <name> format escaping escaped-characters <value>
set vsys <name> log-settings syslog <name> format escaping escape-character <value>
set vsys <name> log-settings http
set vsys <name> log-settings http <name>
set vsys <name> log-settings http <name> tag-registration <yes|no>
set vsys <name> log-settings http <name> server
set vsys <name> log-settings http <name> server <name>
set vsys <name> log-settings http <name> server <name> address <value>
set vsys <name> log-settings http <name> server <name> protocol <HTTP|HTTPS>
set vsys <name> log-settings http <name> server <name> port <1-65535>
set vsys <name> log-settings http <name> server <name> tls-version <1.2|1.1|1.0>
set vsys <name> log-settings http <name> server <name> certificate-profile <value>
set vsys <name> log-settings http <name> server <name> http-method <value>
set vsys <name> log-settings http <name> server <name> username <value>
set vsys <name> log-settings http <name> server <name> password <value>
set vsys <name> log-settings http <name> format
set vsys <name> log-settings http <name> format config
set vsys <name> log-settings http <name> format config name <value>
set vsys <name> log-settings http <name> format config url-format <value>
set vsys <name> log-settings http <name> format config headers
set vsys <name> log-settings http <name> format config headers <name>
set vsys <name> log-settings http <name> format config headers <name> value <value>
set vsys <name> log-settings http <name> format config params
set vsys <name> log-settings http <name> format config params <name>
set vsys <name> log-settings http <name> format config params <name> value <value>
set vsys <name> log-settings http <name> format config payload <value>
set vsys <name> log-settings http <name> format system
set vsys <name> log-settings http <name> format system name <value>
```

```
set vsys <name> log-settings http <name> format system url-format <value>
set vsys <name> log-settings http <name> format system headers
set vsys <name> log-settings http <name> format system headers <name>
set vsys <name> log-settings http <name> format system headers <name> value <value>
set vsys <name> log-settings http <name> format system params
set vsys <name> log-settings http <name> format system params <name>
set vsys <name> log-settings http <name> format system params <name> value <value>
set vsys <name> log-settings http <name> format system payload <value>
set vsys <name> log-settings http <name> format traffic
set vsys <name> log-settings http <name> format traffic name <value>
set vsys <name> log-settings http <name> format traffic url-format <value>
set vsys <name> log-settings http <name> format traffic headers
set vsys <name> log-settings http <name> format traffic headers <name>
set vsys <name> log-settings http <name> format traffic headers <name> value <value>
set vsys <name> log-settings http <name> format traffic params
set vsys <name> log-settings http <name> format traffic params <name>
set vsys <name> log-settings http <name> format traffic params <name> value <value>
set vsys <name> log-settings http <name> format traffic payload <value>
set vsys <name> log-settings http <name> format threat
set vsys <name> log-settings http <name> format threat name <value>
set vsys <name> log-settings http <name> format threat url-format <value>
set vsys <name> log-settings http <name> format threat headers
set vsys <name> log-settings http <name> format threat headers <name>
set vsys <name> log-settings http <name> format threat headers <name> value <value>
set vsys <name> log-settings http <name> format threat params
set vsys <name> log-settings http <name> format threat params <name>
set vsys <name> log-settings http <name> format threat params <name> value <value>
set vsys <name> log-settings http <name> format threat payload <value>
set vsys <name> log-settings http <name> format wildfire
set vsys <name> log-settings http <name> format wildfire name <value>
set vsys <name> log-settings http <name> format wildfire url-format <value>
set vsys <name> log-settings http <name> format wildfire headers
set vsys <name> log-settings http <name> format wildfire headers <name>
```

```
set vsys <name> log-settings http <name> format wildfire headers <name> value <value>
set vsys <name> log-settings http <name> format wildfire params
set vsys <name> log-settings http <name> format wildfire params <name>
set vsys <name> log-settings http <name> format wildfire params <name> value <value>
set vsys <name> log-settings http <name> format wildfire payload <value>
set vsys <name> log-settings http <name> format url
set vsys <name> log-settings http <name> format url name <value>
set vsys <name> log-settings http <name> format url url-format <value>
set vsys <name> log-settings http <name> format url headers
set vsys <name> log-settings http <name> format url headers <name>
set vsys <name> log-settings http <name> format url headers <name> value <value>
set vsys <name> log-settings http <name> format url params
set vsys <name> log-settings http <name> format url params <name>
set vsys <name> log-settings http <name> format url params <name> value <value>
set vsys <name> log-settings http <name> format url payload <value>
set vsys <name> log-settings http <name> format data
set vsys <name> log-settings http <name> format data name <value>
set vsys <name> log-settings http <name> format data url-format <value>
set vsys <name> log-settings http <name> format data headers
set vsys <name> log-settings http <name> format data headers <name>
set vsys <name> log-settings http <name> format data headers <name> value <value>
set vsys <name> log-settings http <name> format data params
set vsys <name> log-settings http <name> format data params <name>
set vsys <name> log-settings http <name> format data params <name> value <value>
set vsys <name> log-settings http <name> format data payload <value>
set vsys <name> log-settings http <name> format tunnel
set vsys <name> log-settings http <name> format tunnel name <value>
set vsys <name> log-settings http <name> format tunnel url-format <value>
set vsys <name> log-settings http <name> format tunnel headers
set vsys <name> log-settings http <name> format tunnel headers <name>
set vsys <name> log-settings http <name> format tunnel headers <name> value <value>
set vsys <name> log-settings http <name> format tunnel params
set vsys <name> log-settings http <name> format tunnel params <name>
```

```
set vsys <name> log-settings http <name> format tunnel params <name> value <value>
set vsys <name> log-settings http <name> format tunnel payload <value>
set vsys <name> log-settings http <name> format auth
set vsys <name> log-settings http <name> format auth name <value>
set vsys <name> log-settings http <name> format auth url-format <value>
set vsys <name> log-settings http <name> format auth headers
set vsys <name> log-settings http <name> format auth headers <name>
set vsys <name> log-settings http <name> format auth headers <name> value <value>
set vsys <name> log-settings http <name> format auth params
set vsys <name> log-settings http <name> format auth params <name>
set vsys <name> log-settings http <name> format auth params <name> value <value>
set vsys <name> log-settings http <name> format auth payload <value>
set vsys <name> log-settings http <name> format userid
set vsys <name> log-settings http <name> format userid name <value>
set vsys <name> log-settings http <name> format userid url-format <value>
set vsys <name> log-settings http <name> format userid headers
set vsys <name> log-settings http <name> format userid headers <name>
set vsys <name> log-settings http <name> format userid headers <name> value <value>
set vsys <name> log-settings http <name> format userid params
set vsys <name> log-settings http <name> format userid params <name>
set vsys <name> log-settings http <name> format userid params <name> value <value>
set vsys <name> log-settings http <name> format userid payload <value>
set vsys <name> log-settings http <name> format iptag
set vsys <name> log-settings http <name> format iptag name <value>
set vsys <name> log-settings http <name> format iptag url-format <value>
set vsys <name> log-settings http <name> format iptag headers
set vsys <name> log-settings http <name> format iptag headers <name>
set vsys <name> log-settings http <name> format iptag headers <name> value <value>
set vsys <name> log-settings http <name> format iptag params
set vsys <name> log-settings http <name> format iptag params <name>
set vsys <name> log-settings http <name> format iptag params <name> value <value>
set vsys <name> log-settings http <name> format iptag payload <value>
set vsys <name> log-settings http <name> format decryption
```

```

set vsys <name> log-settings http <name> format decryption name <value>
set vsys <name> log-settings http <name> format decryption url-format <value>
set vsys <name> log-settings http <name> format decryption headers
set vsys <name> log-settings http <name> format decryption headers <name>
set vsys <name> log-settings http <name> format decryption headers <name> value <value>
set vsys <name> log-settings http <name> format decryption params
set vsys <name> log-settings http <name> format decryption params <name>
set vsys <name> log-settings http <name> format decryption params <name> value <value>
set vsys <name> log-settings http <name> format decryption payload <value>
set vsys <name> log-settings http <name> format globalprotect
set vsys <name> log-settings http <name> format globalprotect name <value>
set vsys <name> log-settings http <name> format globalprotect url-format <value>
set vsys <name> log-settings http <name> format globalprotect headers
set vsys <name> log-settings http <name> format globalprotect headers <name>
set vsys <name> log-settings http <name> format globalprotect headers <name> value <value>
set vsys <name> log-settings http <name> format globalprotect params
set vsys <name> log-settings http <name> format globalprotect params <name>
set vsys <name> log-settings http <name> format globalprotect params <name> value <value>
set vsys <name> log-settings http <name> format globalprotect payload <value>
set vsys <name> log-settings http <name> format hip-match
set vsys <name> log-settings http <name> format hip-match name <value>
set vsys <name> log-settings http <name> format hip-match url-format <value>
set vsys <name> log-settings http <name> format hip-match headers
set vsys <name> log-settings http <name> format hip-match headers <name>
set vsys <name> log-settings http <name> format hip-match headers <name> value <value>
set vsys <name> log-settings http <name> format hip-match params
set vsys <name> log-settings http <name> format hip-match params <name>
set vsys <name> log-settings http <name> format hip-match params <name> value <value>
set vsys <name> log-settings http <name> format hip-match payload <value>
set vsys <name> log-settings http <name> format correlation
set vsys <name> log-settings http <name> format correlation name <value>
set vsys <name> log-settings http <name> format correlation url-format <value>
set vsys <name> log-settings http <name> format correlation headers

```

```
set vsys <name> log-settings http <name> format correlation headers <name>
set vsys <name> log-settings http <name> format correlation headers <name> value <value>
set vsys <name> log-settings http <name> format correlation params
set vsys <name> log-settings http <name> format correlation params <name>
set vsys <name> log-settings http <name> format correlation params <name> value <value>
set vsys <name> log-settings http <name> format correlation payload <value>
set vsys <name> log-settings profiles
set vsys <name> log-settings profiles <name>
set vsys <name> log-settings profiles <name> description <value>
set vsys <name> log-settings profiles <name> enhanced-application-logging <yes|no>
set vsys <name> log-settings profiles <name> match-list
set vsys <name> log-settings profiles <name> match-list <name>
set vsys <name> log-settings profiles <name> match-list <name> action-desc <value>
set vsys <name> log-settings profiles <name> match-list <name> log-type <traffic|threat|wildfire|
url|data|tunnel|auth|decryption>
set vsys <name> log-settings profiles <name> match-list <name> filter <value>
set vsys <name> log-settings profiles <name> match-list <name> send-to-panorama <yes|no>
set vsys <name> log-settings profiles <name> match-list <name> send-snmptrap [ <send-
snmptrap1> <send-snmptrap2>... ]
set vsys <name> log-settings profiles <name> match-list <name> send-email [ <send-email1>
<send-email2>... ]
set vsys <name> log-settings profiles <name> match-list <name> send-syslog [ <send-syslog1>
<send-syslog2>... ]
set vsys <name> log-settings profiles <name> match-list <name> send-http [ <send-http1>
<send-http2>... ]
set vsys <name> log-settings profiles <name> match-list <name> quarantine <yes|no>
set vsys <name> log-settings profiles <name> match-list <name> actions
set vsys <name> log-settings profiles <name> match-list <name> actions <name>
set vsys <name> log-settings profiles <name> match-list <name> actions <name> type
set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
target <source-address|destination-address|xff-address|user>
set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
action <add-tag|remove-tag>
set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
registration
```



```

set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
registration localhost

set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
registration panorama

set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
registration remote

set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
registration remote http-profile <value>

set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
timeout <0-43200>

set vsys <name> log-settings profiles <name> match-list <name> actions <name> type tagging
tags [ <tags1> <tags2>... ]

set vsys <name> certificate

set vsys <name> certificate <name>

set vsys <name> certificate <name> common-name <value>

set vsys <name> certificate <name> algorithm <value>

set vsys <name> certificate <name> not-valid-after <value>

set vsys <name> certificate <name> not-valid-before <value>

set vsys <name> certificate <name> expiry-epoch <value>

set vsys <name> certificate <name> subject <value>

set vsys <name> certificate <name> subject-hash <value>

set vsys <name> certificate <name> issuer <value>

set vsys <name> certificate <name> issuer-hash <value>

set vsys <name> certificate <name>

set vsys <name> certificate <name> csr <value>

set vsys <name> certificate <name> public-key <value>

set vsys <name> certificate <name>

set vsys <name> certificate <name> private-key <value>

set vsys <name> certificate <name> private-key-on-hsm <yes|no>

set vsys <name> certificate <name> status <valid|revoked>

set vsys <name> certificate <name> revoke-date-epoch <value>

set vsys <name> ssl-tls-service-profile

set vsys <name> ssl-tls-service-profile <name>

set vsys <name> ssl-tls-service-profile <name> certificate <value>

set vsys <name> ssl-tls-service-profile <name> protocol-settings

```

```
set vsys <name> ssl-tls-service-profile <name> protocol-settings min-version <tls1-0|tls1-1|
tls1-2>
set vsys <name> ssl-tls-service-profile <name> protocol-settings max-version <tls1-0|tls1-1|
tls1-2|max>
set vsys <name> ssl-tls-service-profile <name> protocol-settings keyxchg-algo-rsa <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings keyxchg-algo-dhe <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings keyxchg-algo-ecdh <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings enc-algo-3des <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings enc-algo-rc4 <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings enc-algo-aes-128-cbc <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings enc-algo-aes-256-cbc <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings enc-algo-aes-128-gcm <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings enc-algo-aes-256-gcm <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings auth-algo-sha1 <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings auth-algo-sha256 <yes|no>
set vsys <name> ssl-tls-service-profile <name> protocol-settings auth-algo-sha384 <yes|no>
set vsys <name> response-page
set vsys <name> response-page application-block-page <value>
set vsys <name> response-page captive-portal-text <value>
set vsys <name> response-page file-block-continue-page <value>
set vsys <name> response-page file-block-page <value>
set vsys <name> response-page ssl-cert-status-page <value>
set vsys <name> response-page ssl-optout-text <value>
set vsys <name> response-page url-block-page <value>
set vsys <name> response-page url-coach-text <value>
set vsys <name> response-page credential-block-page <value>
set vsys <name> response-page credential-coach-text <value>
set vsys <name> response-page virus-block-page <value>
set vsys <name> response-page data-filter-block-page <value>
set vsys <name> response-page safe-search-block-page <value>
set vsys <name> response-page saml-auth-internal-error-page <value>
set vsys <name> response-page mfa-login-page <value>
set vsys <name> response-page global-protect-portal-custom-login-page
set vsys <name> response-page global-protect-portal-custom-login-page <name>
```

```
set vsys <name> response-page global-protect-portal-custom-login-page <name> page <value>
set vsys <name> response-page global-protect-portal-custom-home-page
set vsys <name> response-page global-protect-portal-custom-home-page <name>
set vsys <name> response-page global-protect-portal-custom-home-page <name> page <value>
set vsys <name> response-page global-protect-portal-custom-help-page
set vsys <name> response-page global-protect-portal-custom-help-page <name>
set vsys <name> response-page global-protect-portal-custom-help-page <name> page <value>
set vsys <name> response-page global-protect-portal-custom-welcome-page
set vsys <name> response-page global-protect-portal-custom-welcome-page <name>
set vsys <name> response-page global-protect-portal-custom-welcome-page <name> page
<value>
set vsys <name> local-user-database
set vsys <name> local-user-database user
set vsys <name> local-user-database user <name>
set vsys <name> local-user-database user <name> phash <value>
set vsys <name> local-user-database user <name> disabled <yes|no>
set vsys <name> local-user-database user-group
set vsys <name> local-user-database user-group <name>
set vsys <name> local-user-database user-group <name> user [ <user1> <user2>... ]
set vsys <name> ssl-decrypt
set vsys <name> ssl-decrypt forward-trust-certificate
set vsys <name> ssl-decrypt forward-trust-certificate rsa <value>
set vsys <name> ssl-decrypt forward-trust-certificate ecdsa <value>
set vsys <name> ssl-decrypt forward-untrust-certificate
set vsys <name> ssl-decrypt forward-untrust-certificate rsa <value>
set vsys <name> ssl-decrypt forward-untrust-certificate ecdsa <value>
set vsys <name> ssl-decrypt ssl-exclude-cert
set vsys <name> ssl-decrypt ssl-exclude-cert <name>
set vsys <name> ssl-decrypt ssl-exclude-cert <name> description <value>
set vsys <name> ssl-decrypt ssl-exclude-cert <name> exclude <yes|no>
set vsys <name> ssl-decrypt root-ca-exclude-list [ <root-ca-exclude-list1> <root-ca-exclude-
list2>... ]
set vsys <name> ssl-decrypt trusted-root-CA [ <trusted-root-CA1> <trusted-root-CA2>... ]
set vsys <name> ocsf-responder
```

```
set vsys <name> ocsrp-responder <name>
set vsys <name> ocsrp-responder <name> host-name <value>
set vsys <name> scep
set vsys <name> scep <name>
set vsys <name> scep <name> scep-challenge
set vsys <name> scep <name> scep-challenge none
set vsys <name> scep <name> scep-challenge fixed <value>
set vsys <name> scep <name> scep-challenge dynamic
set vsys <name> scep <name> scep-challenge dynamic otp-server-url <value>
set vsys <name> scep <name> scep-challenge dynamic otp-server-url <value>
set vsys <name> scep <name> scep-challenge dynamic username <value>
set vsys <name> scep <name> scep-challenge dynamic password <value>
set vsys <name> scep <name> scep-url <value>
set vsys <name> scep <name> scep-url <value>
set vsys <name> scep <name> scep-ca-cert <value>
set vsys <name> scep <name> scep-client-cert <value>
set vsys <name> scep <name> ca-identity-name <value>
set vsys <name> scep <name> subject <value>
set vsys <name> scep <name> algorithm
set vsys <name> scep <name> algorithm rsa
set vsys <name> scep <name> algorithm rsa rsa-nbits <value>
set vsys <name> scep <name> digest <value>
set vsys <name> scep <name> fingerprint <value>
set vsys <name> scep <name> certificate-attributes
set vsys <name> scep <name> certificate-attributes rfc822name <value>
set vsys <name> scep <name> certificate-attributes dnsname <value>
set vsys <name> scep <name> certificate-attributes uniform-resource-identifier <value>
set vsys <name> scep <name> use-as-digital-signature <yes|no>
set vsys <name> scep <name> use-for-key-encipherment <yes|no>
set vsys <name> url-content-types [ <url-content-types1> <url-content-types2>... ]
set vsys <name> ts-agent
set vsys <name> ts-agent <name>
set vsys <name> ts-agent <name> host <ip/netmask>|<value>
```

```
set vsys <name> ts-agent <name> port <1-65535>
set vsys <name> ts-agent <name> ip-list [ <ip-list1> <ip-list2>... ]
set vsys <name> ts-agent <name> disabled <yes|no>
set vsys <name> redistribution-agent
set vsys <name> redistribution-agent <name>
set vsys <name> redistribution-agent <name>
set vsys <name> redistribution-agent <name> serial-number <value>
set vsys <name> redistribution-agent <name> host-port
set vsys <name> redistribution-agent <name> host-port host <ip/netmask>|<value>
set vsys <name> redistribution-agent <name> host-port ldap-proxy <yes|no>
set vsys <name> redistribution-agent <name> host-port port <1-65535>
set vsys <name> redistribution-agent <name> host-port collectorname <value>
set vsys <name> redistribution-agent <name> host-port secret <value>
set vsys <name> redistribution-agent <name> disabled <yes|no>
set vsys <name> redistribution-agent <name> ip-user-mappings <yes|no>
set vsys <name> redistribution-agent <name> ip-tags <yes|no>
set vsys <name> redistribution-agent <name> user-tags <yes|no>
set vsys <name> redistribution-agent <name> hip <yes|no>
set vsys <name> redistribution-agent <name> quarantine-list <yes|no>
set vsys <name> ipuser-include-exclude-list
set vsys <name> ipuser-include-exclude-list include-exclude-network
set vsys <name> ipuser-include-exclude-list include-exclude-network <name>
set vsys <name> ipuser-include-exclude-list include-exclude-network <name> disabled <yes|no>
set vsys <name> ipuser-include-exclude-list include-exclude-network <name> discovery <include|
exclude>
set vsys <name> ipuser-include-exclude-list include-exclude-network <name> network-address
<ip/netmask>
set vsys <name> iptag-include-exclude-list
set vsys <name> iptag-include-exclude-list include-exclude-network
set vsys <name> iptag-include-exclude-list include-exclude-network <name>
set vsys <name> iptag-include-exclude-list include-exclude-network <name> disabled <yes|no>
set vsys <name> iptag-include-exclude-list include-exclude-network <name> discovery <include|
exclude>
set vsys <name> iptag-include-exclude-list include-exclude-network <name> network-address
<ip/netmask>
```

```
set vsys <name> redistribution-collector
set vsys <name> redistribution-collector setting
set vsys <name> redistribution-collector setting collectorname <value>
set vsys <name> redistribution-collector setting secret <value>
set vsys <name> user-id-ssl-auth
set vsys <name> user-id-ssl-auth certificate-profile <value>
set vsys <name> vm-info-source
set vsys <name> vm-info-source <name>
set vsys <name> vm-info-source <name>
set vsys <name> vm-info-source <name> AWS-VPC
set vsys <name> vm-info-source <name> AWS-VPC description <value>
set vsys <name> vm-info-source <name> AWS-VPC disabled <yes|no>
set vsys <name> vm-info-source <name> AWS-VPC source <value>
set vsys <name> vm-info-source <name> AWS-VPC access-key-id <value>
set vsys <name> vm-info-source <name> AWS-VPC secret-access-key <value>
set vsys <name> vm-info-source <name> AWS-VPC update-interval <60-1200>
set vsys <name> vm-info-source <name> AWS-VPC vm-info-timeout-enable <yes|no>
set vsys <name> vm-info-source <name> AWS-VPC vm-info-timeout <2-10>
set vsys <name> vm-info-source <name> AWS-VPC vpc-id <value>
set vsys <name> vm-info-source <name> Google-Compute-Engine
set vsys <name> vm-info-source <name> Google-Compute-Engine description <value>
set vsys <name> vm-info-source <name> Google-Compute-Engine disabled <yes|no>
set vsys <name> vm-info-source <name> Google-Compute-Engine service-auth-type
set vsys <name> vm-info-source <name> Google-Compute-Engine service-auth-type service-in-
gce
set vsys <name> vm-info-source <name> Google-Compute-Engine service-auth-type service-
account
set vsys <name> vm-info-source <name> Google-Compute-Engine service-auth-type service-
account service-account-cred <value>
set vsys <name> vm-info-source <name> Google-Compute-Engine project-id <value>
set vsys <name> vm-info-source <name> Google-Compute-Engine zone-name <value>
set vsys <name> vm-info-source <name> Google-Compute-Engine update-interval <60-1200>
set vsys <name> vm-info-source <name> Google-Compute-Engine vm-info-timeout-enable <yes|
no>
set vsys <name> vm-info-source <name> Google-Compute-Engine vm-info-timeout <2-10>
```

```
set vsys <name> vm-info-source <name> VMware-ESXi
set vsys <name> vm-info-source <name> VMware-ESXi description <value>
set vsys <name> vm-info-source <name> VMware-ESXi port <1-65535>
set vsys <name> vm-info-source <name> VMware-ESXi disabled <yes|no>
set vsys <name> vm-info-source <name> VMware-ESXi vm-info-timeout-enable <yes|no>
set vsys <name> vm-info-source <name> VMware-ESXi vm-info-timeout <2-10>
set vsys <name> vm-info-source <name> VMware-ESXi source <ip/netmask>|<value>
set vsys <name> vm-info-source <name> VMware-ESXi username <value>
set vsys <name> vm-info-source <name> VMware-ESXi password <value>
set vsys <name> vm-info-source <name> VMware-ESXi update-interval <5-600>
set vsys <name> vm-info-source <name> VMware-vCenter
set vsys <name> vm-info-source <name> VMware-vCenter description <value>
set vsys <name> vm-info-source <name> VMware-vCenter port <1-65535>
set vsys <name> vm-info-source <name> VMware-vCenter disabled <yes|no>
set vsys <name> vm-info-source <name> VMware-vCenter vm-info-timeout-enable <yes|no>
set vsys <name> vm-info-source <name> VMware-vCenter vm-info-timeout <2-10>
set vsys <name> vm-info-source <name> VMware-vCenter source <ip/netmask>|<value>
set vsys <name> vm-info-source <name> VMware-vCenter username <value>
set vsys <name> vm-info-source <name> VMware-vCenter password <value>
set vsys <name> vm-info-source <name> VMware-vCenter update-interval <5-600>
set vsys <name> group-mapping
set vsys <name> group-mapping <name>
set vsys <name> group-mapping <name> server-profile <value>
set vsys <name> group-mapping <name> disabled <yes|no>
set vsys <name> group-mapping <name> use-ldap-for-serialno-check <yes|no>
set vsys <name> group-mapping <name> use-modify-timestamp <yes|no>
set vsys <name> group-mapping <name> limited-group-search <yes|no>
set vsys <name> group-mapping <name> nested-group-level <1-20>
set vsys <name> group-mapping <name> group-filter <value>
set vsys <name> group-mapping <name> user-filter <value>
set vsys <name> group-mapping <name> domain <value>
set vsys <name> group-mapping <name> update-interval <60-86400>
set vsys <name> group-mapping <name> group-object [ <group-object1> <group-object2>... ]
```

```

set vsys <name> group-mapping <name> group-member [ <group-member1> <group-
member2>... ]
set vsys <name> group-mapping <name> group-name [ <group-name1> <group-name2>... ]
set vsys <name> group-mapping <name> user-object [ <user-object1> <user-object2>... ]
set vsys <name> group-mapping <name> user-name [ <user-name1> <user-name2>... ]
set vsys <name> group-mapping <name> user-email [ <user-email1> <user-email2>... ]
set vsys <name> group-mapping <name> group-email [ <group-email1> <group-email2>... ]
set vsys <name> group-mapping <name> alternate-user-name-1 [ <alternate-user-name-11>
<alternate-user-name-12>... ]
set vsys <name> group-mapping <name> alternate-user-name-2 [ <alternate-user-name-21>
<alternate-user-name-22>... ]
set vsys <name> group-mapping <name> alternate-user-name-3 [ <alternate-user-name-31>
<alternate-user-name-32>... ]
set vsys <name> group-mapping <name> container-object [ <container-object1> <container-
object2>... ]
set vsys <name> group-mapping <name> last-modify-attr [ <last-modify-attr1> <last-modify-
attr2>... ]
set vsys <name> group-mapping <name> group-include-list [ <group-include-list1> <group-
include-list2>... ]
set vsys <name> group-mapping <name> custom-group
set vsys <name> group-mapping <name> custom-group <name>
set vsys <name> group-mapping <name> custom-group <name> ldap-filter <value>
set vsys <name> cloud-identity-engine
set vsys <name> cloud-identity-engine <name>
set vsys <name> cloud-identity-engine <name> region <value>
set vsys <name> cloud-identity-engine <name> cloud-identity-engine-instance <value>
set vsys <name> cloud-identity-engine <name> domain <value>
set vsys <name> cloud-identity-engine <name> update-interval <5-1440>
set vsys <name> cloud-identity-engine <name> enabled <yes|no>
set vsys <name> cloud-identity-engine <name> primary-user <value>
set vsys <name> cloud-identity-engine <name> user-email <value>
set vsys <name> cloud-identity-engine <name> alt-username-1 <value>
set vsys <name> cloud-identity-engine <name> alt-username-2 <value>
set vsys <name> cloud-identity-engine <name> alt-username-3 <value>
set vsys <name> cloud-identity-engine <name> group-name <value>
set vsys <name> cloud-identity-engine <name> group-email <value>

```



```
set vsys <name> cloud-identity-engine <name> endpoint-serial-number <value>
set vsys <name> captive-portal
set vsys <name> captive-portal enable-captive-portal <yes|no>
set vsys <name> captive-portal idle-timer <1-1440>
set vsys <name> captive-portal timer <1-1440>
set vsys <name> captive-portal redirect-host <ip/netmask>|<value>
set vsys <name> captive-portal ssl-tls-service-profile <value>
set vsys <name> captive-portal gp-udp-port <1-65535>
set vsys <name> captive-portal mode
set vsys <name> captive-portal mode transparent
set vsys <name> captive-portal mode redirect
set vsys <name> captive-portal mode redirect session-cookie
set vsys <name> captive-portal mode redirect session-cookie enable <yes|no>
set vsys <name> captive-portal mode redirect session-cookie timeout <60-10080>
set vsys <name> captive-portal mode redirect session-cookie roaming <yes|no>
set vsys <name> captive-portal authentication-profile <value>
set vsys <name> captive-portal certificate-profile <value>
set vsys <name> user-id-collector
set vsys <name> user-id-collector setting
set vsys <name> user-id-collector setting wmi-account <value>
set vsys <name> user-id-collector setting wmi-password <value>
set vsys <name> user-id-collector setting domain-name <value>
set vsys <name> user-id-collector setting server-profile <value>
set vsys <name> user-id-collector setting enable-security-log <yes|no>
set vsys <name> user-id-collector setting security-log-interval <1-3600>
set vsys <name> user-id-collector setting enable-session <yes|no>
set vsys <name> user-id-collector setting session-interval <1-3600>
set vsys <name> user-id-collector setting edirectory-query-interval <1-3600>
set vsys <name> user-id-collector setting enable-probing <yes|no>
set vsys <name> user-id-collector setting client-probing-interval <1-1440>
set vsys <name> user-id-collector setting enable-mapping-timeout <yes|no>
set vsys <name> user-id-collector setting ip-user-mapping-timeout <1-1440>
set vsys <name> user-id-collector setting enable-user-match <yes|no>
```

```
set vsys <name> user-id-collector setting syslog-service-profile <value>
set vsys <name> user-id-collector syslog-parse-profile
set vsys <name> user-id-collector syslog-parse-profile <name>
set vsys <name> user-id-collector syslog-parse-profile <name> description <value>
set vsys <name> user-id-collector syslog-parse-profile <name>
set vsys <name> user-id-collector syslog-parse-profile <name> regex-identifier
set vsys <name> user-id-collector syslog-parse-profile <name> regex-identifier event-regex
<value>
set vsys <name> user-id-collector syslog-parse-profile <name> regex-identifier username-regex
<value>
set vsys <name> user-id-collector syslog-parse-profile <name> regex-identifier address-regex
<value>
set vsys <name> user-id-collector syslog-parse-profile <name> field-identifier
set vsys <name> user-id-collector syslog-parse-profile <name> field-identifier event-string
<value>
set vsys <name> user-id-collector syslog-parse-profile <name> field-identifier username-prefix
<value>
set vsys <name> user-id-collector syslog-parse-profile <name> field-identifier username-delimiter
<value>
set vsys <name> user-id-collector syslog-parse-profile <name> field-identifier address-prefix
<value>
set vsys <name> user-id-collector syslog-parse-profile <name> field-identifier address-delimiter
<value>
set vsys <name> user-id-collector syslog-parse-profile <name> field-identifier address-per-log
<1-3>
set vsys <name> user-id-collector server-monitor
set vsys <name> user-id-collector server-monitor <name>
set vsys <name> user-id-collector server-monitor <name> description <value>
set vsys <name> user-id-collector server-monitor <name> disabled <yes|no>
set vsys <name> user-id-collector server-monitor <name>
set vsys <name> user-id-collector server-monitor <name> active-directory
set vsys <name> user-id-collector server-monitor <name> active-directory type <WMI|WinRM-
HTTP|WinRM-HTTPS>
set vsys <name> user-id-collector server-monitor <name> active-directory host <ip/netmask>|
<value>
set vsys <name> user-id-collector server-monitor <name> exchange
```

```
set vsys <name> user-id-collector server-monitor <name> exchange type <WMI|WinRM-HTTP|WinRM-HTTPS>
set vsys <name> user-id-collector server-monitor <name> exchange host <ip/netmask>|<value>
set vsys <name> user-id-collector server-monitor <name> e-directory
set vsys <name> user-id-collector server-monitor <name> e-directory server-profile <value>
set vsys <name> user-id-collector server-monitor <name> syslog
set vsys <name> user-id-collector server-monitor <name> syslog address <ip/netmask>
set vsys <name> user-id-collector server-monitor <name> syslog connection-type <udp|ssl>
set vsys <name> user-id-collector server-monitor <name> syslog syslog-parse-profile
set vsys <name> user-id-collector server-monitor <name> syslog syslog-parse-profile <name>
set vsys <name> user-id-collector server-monitor <name> syslog syslog-parse-profile <name> event-type <login|logout>
set vsys <name> user-id-collector server-monitor <name> syslog default-domain-name <value>
set vsys <name> user-id-collector include-exclude-network
set vsys <name> user-id-collector include-exclude-network <name>
set vsys <name> user-id-collector include-exclude-network <name> disabled <yes|no>
set vsys <name> user-id-collector include-exclude-network <name> discovery <include|exclude>
set vsys <name> user-id-collector include-exclude-network <name> network-address <ip/netmask>
set vsys <name> user-id-collector include-exclude-network-sequence
set vsys <name> user-id-collector include-exclude-network-sequence include-exclude-network [ <include-exclude-network1> <include-exclude-network2>... ]
set vsys <name> user-id-collector ignore-user [ <ignore-user1> <ignore-user2>... ]
set vsys <name> url-admin-override
set vsys <name> url-admin-override password <value>
set vsys <name> url-admin-override ssl-tls-service-profile <value>
set vsys <name> url-admin-override mode
set vsys <name> url-admin-override mode transparent
set vsys <name> url-admin-override mode redirect
set vsys <name> url-admin-override mode redirect address <ip/netmask>|<value>
set vsys <name> zone
set vsys <name> zone <name>
set vsys <name> zone <name> enable-user-identification <yes|no>
set vsys <name> zone <name> enable-device-identification <yes|no>
set vsys <name> zone <name> network
```

```

set vsys <name> zone <name> network zone-protection-profile <value>
set vsys <name> zone <name> network enable-packet-buffer-protection <yes|no>
set vsys <name> zone <name> network log-setting <value>
set vsys <name> zone <name> network
set vsys <name> zone <name> network tap [ <tap1> <tap2>... ]
set vsys <name> zone <name> network virtual-wire [ <virtual-wire1> <virtual-wire2>... ]
set vsys <name> zone <name> network layer2 [ <layer21> <layer22>... ]
set vsys <name> zone <name> network layer3 [ <layer31> <layer32>... ]
set vsys <name> zone <name> network external [ <external1> <external2>... ]
set vsys <name> zone <name> network tunnel
set vsys <name> zone <name> user-acl
set vsys <name> zone <name> user-acl include-list [ <include-list1> <include-list2>... ]
set vsys <name> zone <name> user-acl exclude-list [ <exclude-list1> <exclude-list2>... ]
set vsys <name> zone <name> device-acl
set vsys <name> zone <name> device-acl include-list [ <include-list1> <include-list2>... ]
set vsys <name> zone <name> device-acl exclude-list [ <exclude-list1> <exclude-list2>... ]
set vsys <name> sdwan-interface-profile
set vsys <name> sdwan-interface-profile <name>
set vsys <name> sdwan-interface-profile <name> link-tag <value>
set vsys <name> sdwan-interface-profile <name> link-type <ADSL/DSL|Cablemodem|Ethernet|
Fiber|LTE/3G/4G/5G|MPLS|Microwave/Radio|Satellite|WiFi|Other>
set vsys <name> sdwan-interface-profile <name> vpn-data-tunnel-support <yes|no>
set vsys <name> sdwan-interface-profile <name> maximum-download <float>
set vsys <name> sdwan-interface-profile <name> maximum-upload <float>
set vsys <name> sdwan-interface-profile <name> error-correction <yes|no>
set vsys <name> sdwan-interface-profile <name> path-monitoring <Aggressive|Relaxed>
set vsys <name> sdwan-interface-profile <name> vpn-failover-metric <1-65535>
set vsys <name> sdwan-interface-profile <name> probe-frequency <1-5>
set vsys <name> sdwan-interface-profile <name> probe-idle-time <1-86400>
set vsys <name> sdwan-interface-profile <name> failback-hold-time <20-120>
set vsys <name> sdwan-interface-profile <name> comment <value>
set vsys <name> global-protect
set vsys <name> global-protect global-protect-portal
set vsys <name> global-protect global-protect-portal <name>

```

```
set vsys <name> global-protect global-protect-portal <name> portal-config
set vsys <name> global-protect global-protect-portal <name> portal-config local-address
set vsys <name> global-protect global-protect-portal <name> portal-config local-address ip-
address-family <ipv4|ipv6|ipv4_ipv6>
set vsys <name> global-protect global-protect-portal <name> portal-config local-address
interface <value>
set vsys <name> global-protect global-protect-portal <name> portal-config local-address
set vsys <name> global-protect global-protect-portal <name> portal-config local-address ip
set vsys <name> global-protect global-protect-portal <name> portal-config local-address ip ipv4
<value>
set vsys <name> global-protect global-protect-portal <name> portal-config local-address ip ipv6
<value>
set vsys <name> global-protect global-protect-portal <name> portal-config local-address floating-
ip
set vsys <name> global-protect global-protect-portal <name> portal-config local-address floating-
ip ipv4 <value>
set vsys <name> global-protect global-protect-portal <name> portal-config local-address floating-
ip ipv6 <value>
set vsys <name> global-protect global-protect-portal <name> portal-config ssl-tls-service-profile
<value>
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name>
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name> os
<value>|<Any|Browser|Satellite>
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name>
authentication-profile <value>
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name>
auto-retrieve-passcode <yes|no>
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name>
username-label <value>
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name>
password-label <value>
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name>
authentication-message <value>
set vsys <name> global-protect global-protect-portal <name> portal-config client-auth <name>
user-credential-or-client-cert-required <no|yes>
set vsys <name> global-protect global-protect-portal <name> portal-config certificate-profile
<value>
```

```

set vsys <name> global-protect global-protect-portal <name> portal-config custom-login-page
<value>

set vsys <name> global-protect global-protect-portal <name> portal-config custom-home-page
<value>

set vsys <name> global-protect global-protect-portal <name> portal-config custom-help-page
<value>

set vsys <name> global-protect global-protect-portal <name> portal-config log-success <yes|no>

set vsys <name> global-protect global-protect-portal <name> portal-config log-fail <yes|no>

set vsys <name> global-protect global-protect-portal <name> portal-config log-setting <value>

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
certificate-profile <value>

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks windows

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks windows registry-key

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks windows registry-key <name>

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks windows registry-key <name> registry-value [ <registry-value1> <registry-
value2>... ]

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks mac-os

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks mac-os plist

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks mac-os plist <name>

set vsys <name> global-protect global-protect-portal <name> portal-config config-selection
custom-checks mac-os plist <name> key [ <key1> <key2>... ]

set vsys <name> global-protect global-protect-portal <name> clientless-vpn

set vsys <name> global-protect global-protect-portal <name> clientless-vpn hostname <value>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn security-zone
<value>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn login-lifetime

set vsys <name> global-protect global-protect-portal <name> clientless-vpn login-lifetime
minutes <60-1440>

```

```

set vsys <name> global-protect global-protect-portal <name> clientless-vpn login-lifetime hours
<1-24>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn inactivity-logout

set vsys <name> global-protect global-protect-portal <name> clientless-vpn inactivity-logout
minutes <5-1440>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn inactivity-logout
hours <1-24>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn max-user <1-30000>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn dns-proxy <value>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol min-version <ssl3|tls1-0|tls1-1|tls1-2>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol max-version <ssl3|tls1-0|tls1-1|tls1-2|max>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol keyxchg-algo-rsa <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol keyxchg-algo-dhe <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol keyxchg-algo-ecdh <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol enc-algo-3des <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol enc-algo-rc4 <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol enc-algo-aes-128-cbc <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol enc-algo-aes-256-cbc <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol enc-algo-aes-128-gcm <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol enc-algo-aes-256-gcm <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol auth-algo-md5 <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol auth-algo-sha1 <yes|no>

```

```

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol auth-algo-sha256 <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings ssl-
protocol auth-algo-sha384 <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings
server-cert-verification

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings
server-cert-verification block-expired-certificate <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings
server-cert-verification block-untrusted-issuer <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings
server-cert-verification block-unknown-cert <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn crypto-settings
server-cert-verification block-timeout-cert <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn rewrite-exclude-
domain-list [ <rewrite-exclude-domain-list1> <rewrite-exclude-domain-list2>... ]

set vsys <name> global-protect global-protect-portal <name> clientless-vpn apps-to-user-
mapping

set vsys <name> global-protect global-protect-portal <name> clientless-vpn apps-to-user-
mapping <name>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn apps-to-user-
mapping <name> source-user [ <source-user1> <source-user2>... ]

set vsys <name> global-protect global-protect-portal <name> clientless-vpn apps-to-user-
mapping <name> applications [ <applications1> <applications2>... ]

set vsys <name> global-protect global-protect-portal <name> clientless-vpn apps-to-user-
mapping <name> enable-custom-app-URL-address-bar <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn apps-to-user-
mapping <name> display-global-protect-agent-download-link <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting

set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting
<name>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting
<name> domains [ <domains1> <domains2>... ]

set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting
<name> use-proxy <yes|no>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting
<name> proxy-server

set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting
<name> proxy-server server <value>

```



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set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting
<name> proxy-server port <1-65535>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting
<name> proxy-server user <value>

set vsys <name> global-protect global-protect-portal <name> clientless-vpn proxy-server-setting
<name> proxy-server password <value>

set vsys <name> global-protect global-protect-portal <name> client-config

set vsys <name> global-protect global-protect-portal <name> client-config root-ca

set vsys <name> global-protect global-protect-portal <name> client-config root-ca <name>

set vsys <name> global-protect global-protect-portal <name> client-config root-ca <name>
install-in-cert-store <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config agent-user-override-
key <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> save-
user-credentials <0|1|2|3>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
portal-2fa <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
internal-gateway-2fa <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> auto-
discovery-external-gateway-2fa <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
manual-only-gateway-2fa <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
source-user [ <source-user1> <source-user2>... ]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
certificate

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
certificate criteria

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
certificate criteria certificate-profile <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key

```

```

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name> default-value-data <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name> negate <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name> registry-value

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name> registry-value <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name> registry-value <name> value-data <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria registry-key <name> registry-value <name> negate <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name> negate <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name> key

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name> key <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name> key <name> value <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
custom-checks criteria plist <name> key <name> negate <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
machine-account-exists-with-serialno

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
machine-account-exists-with-serialno no

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
machine-account-exists-with-serialno yes

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
refresh-config <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal

```

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name> fqdn <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name> ip

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name> ip ipv4 <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name> ip ipv6 <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal list <name> source-ip [<source-ip1> <source-ip2>...]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways internal dhcp-option-code [<dhcp-option-code1> <dhcp-option-code2>...]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external cutoff-time <0-10>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> fqdn <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> ip

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> ip ipv4 <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> ip ipv6 <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> priority-rule

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> priority-rule <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> priority-rule <name> priority <0|1|2|3|4|5>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
gateways external list <name> manual <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
internal-host-detection

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
internal-host-detection ip-address <ip/netmask>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
internal-host-detection hostname <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
internal-host-detection-v6

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
internal-host-detection-v6 ip-address <ip/netmask>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
internal-host-detection-v6 hostname <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-
ui

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-
ui passcode <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-
ui uninstall-password <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-
ui agent-user-override-timeout <0-65535>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-
ui max-agent-user-overrides <0-65535>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-
ui welcome-page

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-
ui welcome-page page <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-
collection

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-
collection certificate-profile <value>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-
collection exclusion

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-
collection exclusion category

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-
collection exclusion category <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection exclusion category <name> vendor

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection exclusion category <name> vendor <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection exclusion category <name> vendor <name> product [<product1> <product2>...]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks windows

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks windows registry-key

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks windows registry-key <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks windows registry-key <name> registry-value [<registry-value1> <registry-value2>...]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks windows process-list [<process-list1> <process-list2>...]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks mac-os

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks mac-os plist

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks mac-os plist <name>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks mac-os plist <name> key [<key1> <key2>...]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks mac-os process-list [<process-list1> <process-list2>...]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks linux

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection custom-checks linux process-list [<process-list1> <process-list2>...]

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection max-wait-time <10-60>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> hip-collection collect-hip-data <yes|no>

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> third-party-vpn-clients [<third-party-vpn-clients1> <third-party-vpn-clients2>...]

```

set vsys <name> global-protect global-protect-portal <name> client-config configs <name> agent-
config
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> gp-
app-config
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> gp-
app-config config
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> gp-
app-config config <name>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> gp-
app-config config <name> value [ <value1> <value2>... ]
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> os
[ <os1> <os2>... ]
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> mdm-
address <value>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> mdm-
enrollment-port <443|7443|8443>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> client-
certificate
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> client-
certificate local <value>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name> client-
certificate scep <value>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override
set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override generate-cookie <yes|no>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override accept-cookie
set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override accept-cookie cookie-lifetime
set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override accept-cookie cookie-lifetime lifetime-in-days <1-365>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override accept-cookie cookie-lifetime lifetime-in-hours <1-72>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override accept-cookie cookie-lifetime lifetime-in-minutes <1-59>
set vsys <name> global-protect global-protect-portal <name> client-config configs <name>
authentication-override cookie-encrypt-decrypt-cert <value>
set vsys <name> global-protect global-protect-portal <name> satellite-config

```

```

set vsys <name> global-protect global-protect-portal <name> satellite-config root-ca [ <root-ca1>
<root-ca2>... ]

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
local

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
local issuing-certificate <value>

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
local ocsp-responder <value>

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
local certificate-life-time <7-365>

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
local certificate-renewal-period <3-30>

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
scep

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
scep scep <value>

set vsys <name> global-protect global-protect-portal <name> satellite-config client-certificate
scep certificate-renewal-period <3-30>

set vsys <name> global-protect global-protect-portal <name> satellite-config configs

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
devices [ <devices1> <devices2>... ]

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
source-user [ <source-user1> <source-user2>... ]

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name>

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name>

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name> fqdn <value>

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name> ip

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name> ip ipv4 <value>

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name> ip ipv6 <value>

```



```

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name> ipv6-preferred <yes|no>

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
gateways <name> priority <1-25>

set vsys <name> global-protect global-protect-portal <name> satellite-config configs <name>
config-refresh-interval <1-48>

set vsys <name> global-protect global-protect-gateway

set vsys <name> global-protect global-protect-gateway <name>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel <value>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> source-user [ <source-user1> <source-user2>... ]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override generate-cookie <yes|no>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override accept-cookie

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override accept-cookie cookie-lifetime

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override accept-cookie cookie-lifetime lifetime-in-days <1-365>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override accept-cookie cookie-lifetime lifetime-in-hours <1-72>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override accept-cookie cookie-lifetime lifetime-in-minutes <1-59>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-override cookie-encrypt-decrypt-cert <value>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> os [ <os1> <os2>... ]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> source-address

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> source-address region [ <region1> <region2>... ]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> source-address ip-address [ <ip-address1> <ip-address2>... ]

```


set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> dns-server [<dns-server1> <dns-server2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> dns-suffix [<dns-suffix1> <dns-suffix2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> ip-pool [<ip-pool1> <ip-pool2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling access-route [<access-route1> <access-route2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling exclude-access-route [<exclude-access-route1> <exclude-access-
route2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling include-applications [<include-applications1> <include-applications2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling include-domains

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling include-domains list

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling include-domains list <name>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling include-domains list <name> ports [<ports1> <ports2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-
configs <name> split-tunneling exclude-applications [<exclude-applications1> <exclude-
applications2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling exclude-domains

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling exclude-domains list

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling exclude-domains list <name>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> split-tunneling exclude-domains list <name> ports [<ports1> <ports2>...]

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> no-direct-access-to-local-network <yes|no>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> retrieve-framed-ip-address <yes|no>

set vsys <name> global-protect global-protect-gateway <name> remote-user-tunnel-configs
<name> authentication-server-ip-pool [<authentication-server-ip-pool1> <authentication-server-
ip-pool2>...]

```
set vsys <name> global-protect global-protect-gateway <name> ssl-tls-service-profile <value>
set vsys <name> global-protect global-protect-gateway <name> client-auth
set vsys <name> global-protect global-protect-gateway <name> client-auth <name>
set vsys <name> global-protect global-protect-gateway <name> client-auth <name> os <value>|
<Any|Satellite|X-Auth>
set vsys <name> global-protect global-protect-gateway <name> client-auth <name>
authentication-profile <value>
set vsys <name> global-protect global-protect-gateway <name> client-auth <name> auto-
retrieve-passcode <yes|no>
set vsys <name> global-protect global-protect-gateway <name> client-auth <name> username-
label <value>
set vsys <name> global-protect global-protect-gateway <name> client-auth <name> password-
label <value>
set vsys <name> global-protect global-protect-gateway <name> client-auth <name>
authentication-message <value>
set vsys <name> global-protect global-protect-gateway <name> client-auth <name> user-
credential-or-client-cert-required <no|yes>
set vsys <name> global-protect global-protect-gateway <name> certificate-profile <value>
set vsys <name> global-protect global-protect-gateway <name> satellite-tunnel <value>
set vsys <name> global-protect global-protect-gateway <name> tunnel-mode <yes|no>
set vsys <name> global-protect global-protect-gateway <name> local-address
set vsys <name> global-protect global-protect-gateway <name> local-address ip-address-family
<ipv4|ipv6|ipv4_ipv6>
set vsys <name> global-protect global-protect-gateway <name> local-address interface <value>
set vsys <name> global-protect global-protect-gateway <name> local-address
set vsys <name> global-protect global-protect-gateway <name> local-address ip
set vsys <name> global-protect global-protect-gateway <name> local-address ip ipv4 <value>
set vsys <name> global-protect global-protect-gateway <name> local-address ip ipv6 <value>
set vsys <name> global-protect global-protect-gateway <name> local-address floating-ip
set vsys <name> global-protect global-protect-gateway <name> local-address floating-ip ipv4
<value>
set vsys <name> global-protect global-protect-gateway <name> local-address floating-ip ipv6
<value>
set vsys <name> global-protect global-protect-gateway <name> security-restrictions
set vsys <name> global-protect global-protect-gateway <name> security-restrictions disallow-
automatic-restoration <yes|no>
```

```

set vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement

set vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement enable <yes|no>

set vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement

set vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement default

set vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement custom

set vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement custom source-ipv4-netmask <0-32>

set vsys <name> global-protect global-protect-gateway <name> security-restrictions source-ip-
enforcement custom source-ipv6-netmask <0-128>

set vsys <name> global-protect global-protect-gateway <name> block-quarantined-devices <yes|
no>

set vsys <name> global-protect global-protect-gateway <name> roles

set vsys <name> global-protect global-protect-gateway <name> roles <name>

set vsys <name> global-protect global-protect-gateway <name> roles <name> login-lifetime

set vsys <name> global-protect global-protect-gateway <name> roles <name> login-lifetime
minutes <120-43200>

set vsys <name> global-protect global-protect-gateway <name> roles <name> login-lifetime
hours <2-720>

set vsys <name> global-protect global-protect-gateway <name> roles <name> login-lifetime days
<1-30>

set vsys <name> global-protect global-protect-gateway <name> roles <name> inactivity-logout
<5-43200>

set vsys <name> global-protect global-protect-gateway <name> hip-notification

set vsys <name> global-protect global-protect-gateway <name> hip-notification <name>

set vsys <name> global-protect global-protect-gateway <name> hip-notification <name> match-
message

set vsys <name> global-protect global-protect-gateway <name> hip-notification <name> match-
message include-app-list <yes|no>

set vsys <name> global-protect global-protect-gateway <name> hip-notification <name> match-
message show-notification-as <system-tray-balloon|pop-up-message>

set vsys <name> global-protect global-protect-gateway <name> hip-notification <name> match-
message message <value>

set vsys <name> global-protect global-protect-gateway <name> hip-notification <name> not-
match-message

```

```
set vsys <name> global-protect global-protect-gateway <name> hip-notification <name> not-  
match-message show-notification-as <system-tray-balloon|pop-up-message>  
set vsys <name> global-protect global-protect-gateway <name> hip-notification <name> not-  
match-message message <value>  
set vsys <name> global-protect global-protect-gateway <name> log-success <yes|no>  
set vsys <name> global-protect global-protect-gateway <name> log-fail <yes|no>  
set vsys <name> global-protect global-protect-gateway <name> log-setting <value>  
set vsys <name> global-protect global-protect-mdm  
set vsys <name> global-protect global-protect-mdm <name>  
set vsys <name> global-protect global-protect-mdm <name> disabled <yes|no>  
set vsys <name> global-protect global-protect-mdm <name> host <value>  
set vsys <name> global-protect global-protect-mdm <name> port <1-65535>  
set vsys <name> global-protect global-protect-mdm <name> root-ca [ <root-ca1> <root-ca2>... ]  
set vsys <name> global-protect global-protect-mdm <name> client-certificate <value>  
set vsys <name> global-protect clientless-app  
set vsys <name> global-protect clientless-app <name>  
set vsys <name> global-protect clientless-app <name> application-home-url <value>  
set vsys <name> global-protect clientless-app <name> description <value>  
set vsys <name> global-protect clientless-app <name> app-icon <value>  
set vsys <name> global-protect clientless-app-group  
set vsys <name> global-protect clientless-app-group <name>  
set vsys <name> global-protect clientless-app-group <name> members [ <members1>  
<members2>... ]  
set vsys <name> profiles  
set vsys <name> profiles hip-objects  
set vsys <name> profiles hip-objects <name>  
set vsys <name> profiles hip-objects <name> description <value>  
set vsys <name> profiles hip-objects <name> host-info  
set vsys <name> profiles hip-objects <name> host-info criteria  
set vsys <name> profiles hip-objects <name> host-info criteria domain  
set vsys <name> profiles hip-objects <name> host-info criteria domain  
set vsys <name> profiles hip-objects <name> host-info criteria domain contains <value>  
set vsys <name> profiles hip-objects <name> host-info criteria domain is <value>  
set vsys <name> profiles hip-objects <name> host-info criteria domain is-not <value>
```

```

set vsys <name> profiles hip-objects <name> host-info criteria os
set vsys <name> profiles hip-objects <name> host-info criteria os
set vsys <name> profiles hip-objects <name> host-info criteria os contains
set vsys <name> profiles hip-objects <name> host-info criteria os contains
set vsys <name> profiles hip-objects <name> host-info criteria os contains Microsoft <value>
set vsys <name> profiles hip-objects <name> host-info criteria os contains Apple <value>
set vsys <name> profiles hip-objects <name> host-info criteria os contains Google <value>
set vsys <name> profiles hip-objects <name> host-info criteria os contains Linux <value>
set vsys <name> profiles hip-objects <name> host-info criteria os contains Other <value>
set vsys <name> profiles hip-objects <name> host-info criteria client-version
set vsys <name> profiles hip-objects <name> host-info criteria client-version
set vsys <name> profiles hip-objects <name> host-info criteria client-version contains <value>
set vsys <name> profiles hip-objects <name> host-info criteria client-version is <value>
set vsys <name> profiles hip-objects <name> host-info criteria client-version is-not <value>
set vsys <name> profiles hip-objects <name> host-info criteria host-name
set vsys <name> profiles hip-objects <name> host-info criteria host-name
set vsys <name> profiles hip-objects <name> host-info criteria host-name contains <value>
set vsys <name> profiles hip-objects <name> host-info criteria host-name is <value>
set vsys <name> profiles hip-objects <name> host-info criteria host-name is-not <value>
set vsys <name> profiles hip-objects <name> host-info criteria host-id
set vsys <name> profiles hip-objects <name> host-info criteria host-id
set vsys <name> profiles hip-objects <name> host-info criteria host-id contains <value>
set vsys <name> profiles hip-objects <name> host-info criteria host-id is <value>
set vsys <name> profiles hip-objects <name> host-info criteria host-id is-not <value>
set vsys <name> profiles hip-objects <name> host-info criteria managed <no|yes>
set vsys <name> profiles hip-objects <name> host-info criteria serial-number
set vsys <name> profiles hip-objects <name> host-info criteria serial-number
set vsys <name> profiles hip-objects <name> host-info criteria serial-number contains <value>
set vsys <name> profiles hip-objects <name> host-info criteria serial-number is <value>
set vsys <name> profiles hip-objects <name> host-info criteria serial-number is-not <value>
set vsys <name> profiles hip-objects <name> network-info
set vsys <name> profiles hip-objects <name> network-info criteria
set vsys <name> profiles hip-objects <name> network-info criteria network

```

```

set vsys <name> profiles hip-objects <name> network-info criteria network is
set vsys <name> profiles hip-objects <name> network-info criteria network is wifi
set vsys <name> profiles hip-objects <name> network-info criteria network is wifi ssid <value>
set vsys <name> profiles hip-objects <name> network-info criteria network is mobile
set vsys <name> profiles hip-objects <name> network-info criteria network is mobile carrier
<value>
set vsys <name> profiles hip-objects <name> network-info criteria network is unknown
set vsys <name> profiles hip-objects <name> network-info criteria network is-not
set vsys <name> profiles hip-objects <name> network-info criteria network is-not wifi
set vsys <name> profiles hip-objects <name> network-info criteria network is-not wifi ssid
<value>
set vsys <name> profiles hip-objects <name> network-info criteria network is-not mobile
set vsys <name> profiles hip-objects <name> network-info criteria network is-not mobile carrier
<value>
set vsys <name> profiles hip-objects <name> network-info criteria network is-not ethernet
set vsys <name> profiles hip-objects <name> network-info criteria network is-not unknown
set vsys <name> profiles hip-objects <name> patch-management
set vsys <name> profiles hip-objects <name> patch-management criteria
set vsys <name> profiles hip-objects <name> patch-management criteria is-installed <yes|no>
set vsys <name> profiles hip-objects <name> patch-management criteria is-enabled <no|yes|not-
available>
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches severity
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches severity
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches severity
greater-equal <0-100000>
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches severity
greater-than <0-100000>
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches severity
is <0-100000>
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches severity
is-not <0-100000>
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches severity
less-equal <0-100000>
set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches severity
less-than <0-100000>

```

```

set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches patches
[ <patches1> <patches2>... ]

set vsys <name> profiles hip-objects <name> patch-management criteria missing-patches check
<has-any|has-none|has-all>

set vsys <name> profiles hip-objects <name> patch-management vendor

set vsys <name> profiles hip-objects <name> patch-management vendor <name>

set vsys <name> profiles hip-objects <name> patch-management vendor <name> product
[ <product1> <product2>... ]

set vsys <name> profiles hip-objects <name> patch-management exclude-vendor <yes|no>

set vsys <name> profiles hip-objects <name> data-loss-prevention

set vsys <name> profiles hip-objects <name> data-loss-prevention criteria

set vsys <name> profiles hip-objects <name> data-loss-prevention criteria is-installed <yes|no>

set vsys <name> profiles hip-objects <name> data-loss-prevention criteria is-enabled <no|yes|not-
available>

set vsys <name> profiles hip-objects <name> data-loss-prevention vendor

set vsys <name> profiles hip-objects <name> data-loss-prevention vendor <name>

set vsys <name> profiles hip-objects <name> data-loss-prevention vendor <name> product
[ <product1> <product2>... ]

set vsys <name> profiles hip-objects <name> data-loss-prevention exclude-vendor <yes|no>

set vsys <name> profiles hip-objects <name> firewall

set vsys <name> profiles hip-objects <name> firewall criteria

set vsys <name> profiles hip-objects <name> firewall criteria is-installed <yes|no>

set vsys <name> profiles hip-objects <name> firewall criteria is-enabled <no|yes|not-available>

set vsys <name> profiles hip-objects <name> firewall vendor

set vsys <name> profiles hip-objects <name> firewall vendor <name>

set vsys <name> profiles hip-objects <name> firewall vendor <name> product [ <product1>
<product2>... ]

set vsys <name> profiles hip-objects <name> firewall exclude-vendor <yes|no>

set vsys <name> profiles hip-objects <name> anti-malware

set vsys <name> profiles hip-objects <name> anti-malware criteria

set vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version

set vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version

set vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version within

set vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version within days
<1-65535>

```

```

set vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version within versions
<1-65535>

set vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version not-within

set vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version not-within days
<1-65535>

set vsys <name> profiles hip-objects <name> anti-malware criteria virdef-version not-within
versions <1-65535>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version greater-equal
<value>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version greater-than
<value>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version is <value>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version is-not <value>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version less-equal
<value>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version less-than
<value>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version contains
<value>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version within

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version within
versions <1-1>

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version not-within

set vsys <name> profiles hip-objects <name> anti-malware criteria product-version not-within
versions <1-1>

set vsys <name> profiles hip-objects <name> anti-malware criteria is-installed <yes|no>

set vsys <name> profiles hip-objects <name> anti-malware criteria real-time-protection <no|yes|
not-available>

set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time

set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time

set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time not-available

set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time within

set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time within days
<1-65535>

set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time within hours
<1-65535>

```



```
set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time not-within
set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time not-within days
<1-65535>
set vsys <name> profiles hip-objects <name> anti-malware criteria last-scan-time not-within
hours <1-65535>
set vsys <name> profiles hip-objects <name> anti-malware vendor
set vsys <name> profiles hip-objects <name> anti-malware vendor <name>
set vsys <name> profiles hip-objects <name> anti-malware vendor <name> product [ <product1>
<product2>... ]
set vsys <name> profiles hip-objects <name> anti-malware exclude-vendor <yes|no>
set vsys <name> profiles hip-objects <name> disk-backup
set vsys <name> profiles hip-objects <name> disk-backup criteria
set vsys <name> profiles hip-objects <name> disk-backup criteria is-installed <yes|no>
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time not-available
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time within
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time within days
<1-65535>
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time within hours
<1-65535>
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time not-within
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time not-within
days <1-65535>
set vsys <name> profiles hip-objects <name> disk-backup criteria last-backup-time not-within
hours <1-65535>
set vsys <name> profiles hip-objects <name> disk-backup vendor
set vsys <name> profiles hip-objects <name> disk-backup vendor <name>
set vsys <name> profiles hip-objects <name> disk-backup vendor <name> product [ <product1>
<product2>... ]
set vsys <name> profiles hip-objects <name> disk-backup exclude-vendor <yes|no>
set vsys <name> profiles hip-objects <name> disk-encryption
set vsys <name> profiles hip-objects <name> disk-encryption criteria
set vsys <name> profiles hip-objects <name> disk-encryption criteria is-installed <yes|no>
set vsys <name> profiles hip-objects <name> disk-encryption criteria encrypted-locations
set vsys <name> profiles hip-objects <name> disk-encryption criteria encrypted-locations <name>
```

```

set vsys <name> profiles hip-objects <name> disk-encryption criteria encrypted-locations <name>
encryption-state
set vsys <name> profiles hip-objects <name> disk-encryption criteria encrypted-locations <name>
encryption-state is <encrypted|unencrypted|partial|unknown>
set vsys <name> profiles hip-objects <name> disk-encryption criteria encrypted-locations <name>
encryption-state is-not <encrypted|unencrypted|partial|unknown>
set vsys <name> profiles hip-objects <name> disk-encryption vendor
set vsys <name> profiles hip-objects <name> disk-encryption vendor <name>
set vsys <name> profiles hip-objects <name> disk-encryption vendor <name> product
[ <product1> <product2>... ]
set vsys <name> profiles hip-objects <name> disk-encryption exclude-vendor <yes|no>
set vsys <name> profiles hip-objects <name> custom-checks
set vsys <name> profiles hip-objects <name> custom-checks criteria
set vsys <name> profiles hip-objects <name> custom-checks criteria process-list
set vsys <name> profiles hip-objects <name> custom-checks criteria process-list <name>
set vsys <name> profiles hip-objects <name> custom-checks criteria process-list <name> running
<yes|no>
set vsys <name> profiles hip-objects <name> custom-checks criteria registry-key
set vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name>
set vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name> default-
value-data <value>
set vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name> negate
<yes|no>
set vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name>
registry-value
set vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name>
registry-value <name>
set vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name>
registry-value <name> value-data <value>
set vsys <name> profiles hip-objects <name> custom-checks criteria registry-key <name>
registry-value <name> negate <yes|no>
set vsys <name> profiles hip-objects <name> custom-checks criteria plist
set vsys <name> profiles hip-objects <name> custom-checks criteria plist <name>
set vsys <name> profiles hip-objects <name> custom-checks criteria plist <name> negate <yes|
no>
set vsys <name> profiles hip-objects <name> custom-checks criteria plist <name> key
set vsys <name> profiles hip-objects <name> custom-checks criteria plist <name> key <name>

```

```

set vsys <name> profiles hip-objects <name> custom-checks criteria plist <name> key <name>
value <value>

set vsys <name> profiles hip-objects <name> custom-checks criteria plist <name> key <name>
negate <yes|no>

set vsys <name> profiles hip-objects <name> mobile-device

set vsys <name> profiles hip-objects <name> mobile-device criteria

set vsys <name> profiles hip-objects <name> mobile-device criteria jailbroken <no|yes>

set vsys <name> profiles hip-objects <name> mobile-device criteria disk-encrypted <no|yes>

set vsys <name> profiles hip-objects <name> mobile-device criteria passcode-set <no|yes>

set vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time

set vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time

set vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time within

set vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time within days
<1-365>

set vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time not-within

set vsys <name> profiles hip-objects <name> mobile-device criteria last-checkin-time not-within
days <1-365>

set vsys <name> profiles hip-objects <name> mobile-device criteria imei

set vsys <name> profiles hip-objects <name> mobile-device criteria imei

set vsys <name> profiles hip-objects <name> mobile-device criteria imei contains <value>

set vsys <name> profiles hip-objects <name> mobile-device criteria imei is <value>

set vsys <name> profiles hip-objects <name> mobile-device criteria imei is-not <value>

set vsys <name> profiles hip-objects <name> mobile-device criteria model

set vsys <name> profiles hip-objects <name> mobile-device criteria model

set vsys <name> profiles hip-objects <name> mobile-device criteria model contains <value>

set vsys <name> profiles hip-objects <name> mobile-device criteria model is <value>

set vsys <name> profiles hip-objects <name> mobile-device criteria model is-not <value>

set vsys <name> profiles hip-objects <name> mobile-device criteria phone-number

set vsys <name> profiles hip-objects <name> mobile-device criteria phone-number

set vsys <name> profiles hip-objects <name> mobile-device criteria phone-number contains
<value>

set vsys <name> profiles hip-objects <name> mobile-device criteria phone-number is <value>

set vsys <name> profiles hip-objects <name> mobile-device criteria phone-number is-not <value>

set vsys <name> profiles hip-objects <name> mobile-device criteria tag

set vsys <name> profiles hip-objects <name> mobile-device criteria tag

```

```

set vsys <name> profiles hip-objects <name> mobile-device criteria tag contains <value>
set vsys <name> profiles hip-objects <name> mobile-device criteria tag is <value>
set vsys <name> profiles hip-objects <name> mobile-device criteria tag is-not <value>
set vsys <name> profiles hip-objects <name> mobile-device criteria applications
set vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware
set vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware no
set vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware yes
set vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware yes
excludes
set vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware yes
excludes <name>
set vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware yes
excludes <name> package <value>
set vsys <name> profiles hip-objects <name> mobile-device criteria applications has-malware yes
excludes <name> hash <value>
set vsys <name> profiles hip-objects <name> mobile-device criteria applications has-unmanaged-
app <no|yes>
set vsys <name> profiles hip-objects <name> mobile-device criteria applications includes
set vsys <name> profiles hip-objects <name> mobile-device criteria applications includes <name>
set vsys <name> profiles hip-objects <name> mobile-device criteria applications includes <name>
package <value>
set vsys <name> profiles hip-objects <name> mobile-device criteria applications includes <name>
hash <value>
set vsys <name> profiles hip-objects <name> certificate
set vsys <name> profiles hip-objects <name> certificate criteria
set vsys <name> profiles hip-objects <name> certificate criteria certificate-profile <value>
set vsys <name> profiles hip-objects <name> certificate criteria certificate-attributes
set vsys <name> profiles hip-objects <name> certificate criteria certificate-attributes <name>
set vsys <name> profiles hip-objects <name> certificate criteria certificate-attributes <name>
value <value>
set vsys <name> profiles virus
set vsys <name> profiles virus <name>
set vsys <name> profiles virus <name> description <value>
set vsys <name> profiles virus <name> packet-capture <yes|no>
set vsys <name> profiles virus <name> mlav-engine-filebased-enabled
set vsys <name> profiles virus <name> mlav-engine-filebased-enabled <name>

```

```

set vsys <name> profiles virus <name> mlav-engine-filebased-enabled <name> mlav-policy-action
<enable|enable(alert-only)|disable>
set vsys <name> profiles virus <name> decoder
set vsys <name> profiles virus <name> decoder <name>
set vsys <name> profiles virus <name> decoder <name> action <default|allow|alert|drop|reset-
client|reset-server|reset-both>
set vsys <name> profiles virus <name> decoder <name> wildfire-action <default|allow|alert|drop|
reset-client|reset-server|reset-both>
set vsys <name> profiles virus <name> decoder <name> mlav-action <default|allow|alert|drop|
reset-client|reset-server|reset-both>
set vsys <name> profiles virus <name> application
set vsys <name> profiles virus <name> application <name>
set vsys <name> profiles virus <name> application <name> action <default|allow|alert|drop|reset-
client|reset-server|reset-both>
set vsys <name> profiles virus <name> threat-exception
set vsys <name> profiles virus <name> threat-exception <name>
set vsys <name> profiles virus <name> mlav-exception
set vsys <name> profiles virus <name> mlav-exception <name>
set vsys <name> profiles virus <name> mlav-exception <name> filename <value>
set vsys <name> profiles virus <name> mlav-exception <name> description <value>
set vsys <name> profiles spyware
set vsys <name> profiles spyware <name>
set vsys <name> profiles spyware <name> description <value>
set vsys <name> profiles spyware <name> botnet-domains
set vsys <name> profiles spyware <name> botnet-domains lists
set vsys <name> profiles spyware <name> botnet-domains lists <name>
set vsys <name> profiles spyware <name> botnet-domains lists <name> action
set vsys <name> profiles spyware <name> botnet-domains lists <name> action alert
set vsys <name> profiles spyware <name> botnet-domains lists <name> action allow
set vsys <name> profiles spyware <name> botnet-domains lists <name> action block
set vsys <name> profiles spyware <name> botnet-domains lists <name> action sinkhole
set vsys <name> profiles spyware <name> botnet-domains lists <name> packet-capture <disable|
single-packet|extended-capture>
set vsys <name> profiles spyware <name> botnet-domains dns-security-categories
set vsys <name> profiles spyware <name> botnet-domains dns-security-categories <name>

```

```

set vsys <name> profiles spyware <name> botnet-domains dns-security-categories <name>
action <default|allow|block|sinkhole>

set vsys <name> profiles spyware <name> botnet-domains dns-security-categories <name> log-
level <default|none|low|informational|medium|high|critical>

set vsys <name> profiles spyware <name> botnet-domains dns-security-categories <name>
packet-capture <disable|single-packet|extended-capture>

set vsys <name> profiles spyware <name> botnet-domains whitelist

set vsys <name> profiles spyware <name> botnet-domains whitelist <name>

set vsys <name> profiles spyware <name> botnet-domains whitelist <name> description <value>

set vsys <name> profiles spyware <name> botnet-domains sinkhole

set vsys <name> profiles spyware <name> botnet-domains sinkhole ipv4-address <value>|
<127.0.0.1|pan-sinkhole-default-ip>

set vsys <name> profiles spyware <name> botnet-domains sinkhole ipv6-address <ip/netmask>|
<::1>

set vsys <name> profiles spyware <name> botnet-domains threat-exception

set vsys <name> profiles spyware <name> botnet-domains threat-exception <name>

set vsys <name> profiles spyware <name> rules

set vsys <name> profiles spyware <name> rules <name>

set vsys <name> profiles spyware <name> rules <name> threat-name <value>|<any>

set vsys <name> profiles spyware <name> rules <name> category <value>|<any>

set vsys <name> profiles spyware <name> rules <name> severity [ <severity1> <severity2>... ]

set vsys <name> profiles spyware <name> rules <name> action

set vsys <name> profiles spyware <name> rules <name> action default

set vsys <name> profiles spyware <name> rules <name> action allow

set vsys <name> profiles spyware <name> rules <name> action alert

set vsys <name> profiles spyware <name> rules <name> action drop

set vsys <name> profiles spyware <name> rules <name> action reset-client

set vsys <name> profiles spyware <name> rules <name> action reset-server

set vsys <name> profiles spyware <name> rules <name> action reset-both

set vsys <name> profiles spyware <name> rules <name> action block-ip

set vsys <name> profiles spyware <name> rules <name> action block-ip track-by <source|source-
and-destination>

set vsys <name> profiles spyware <name> rules <name> action block-ip duration <1-3600>

set vsys <name> profiles spyware <name> rules <name> packet-capture <disable|single-packet|
extended-capture>

set vsys <name> profiles spyware <name> threat-exception

```

```

set vsys <name> profiles spyware <name> threat-exception <name>
set vsys <name> profiles spyware <name> threat-exception <name> packet-capture <disable|
single-packet|extended-capture>
set vsys <name> profiles spyware <name> threat-exception <name> action
set vsys <name> profiles spyware <name> threat-exception <name> action default
set vsys <name> profiles spyware <name> threat-exception <name> action allow
set vsys <name> profiles spyware <name> threat-exception <name> action alert
set vsys <name> profiles spyware <name> threat-exception <name> action drop
set vsys <name> profiles spyware <name> threat-exception <name> action reset-both
set vsys <name> profiles spyware <name> threat-exception <name> action reset-client
set vsys <name> profiles spyware <name> threat-exception <name> action reset-server
set vsys <name> profiles spyware <name> threat-exception <name> action block-ip
set vsys <name> profiles spyware <name> threat-exception <name> action block-ip track-by
<source|source-and-destination>
set vsys <name> profiles spyware <name> threat-exception <name> action block-ip duration
<1-3600>
set vsys <name> profiles spyware <name> threat-exception <name> exempt-ip
set vsys <name> profiles spyware <name> threat-exception <name> exempt-ip <name>
set vsys <name> profiles vulnerability
set vsys <name> profiles vulnerability <name>
set vsys <name> profiles vulnerability <name> description <value>
set vsys <name> profiles vulnerability <name> rules
set vsys <name> profiles vulnerability <name> rules <name>
set vsys <name> profiles vulnerability <name> rules <name> threat-name <value>|<any>
set vsys <name> profiles vulnerability <name> rules <name> cve [ <cve1> <cve2>... ]
set vsys <name> profiles vulnerability <name> rules <name> host <any|client|server>
set vsys <name> profiles vulnerability <name> rules <name> vendor-id [ <vendor-id1> <vendor-
id2>... ]
set vsys <name> profiles vulnerability <name> rules <name> severity [ <severity1> <severity2>... ]
set vsys <name> profiles vulnerability <name> rules <name> category <value>|<any>
set vsys <name> profiles vulnerability <name> rules <name> action
set vsys <name> profiles vulnerability <name> rules <name> action default
set vsys <name> profiles vulnerability <name> rules <name> action allow
set vsys <name> profiles vulnerability <name> rules <name> action alert
set vsys <name> profiles vulnerability <name> rules <name> action drop

```

```

set vsys <name> profiles vulnerability <name> rules <name> action reset-client
set vsys <name> profiles vulnerability <name> rules <name> action reset-server
set vsys <name> profiles vulnerability <name> rules <name> action reset-both
set vsys <name> profiles vulnerability <name> rules <name> action block-ip
set vsys <name> profiles vulnerability <name> rules <name> action block-ip track-by <source|
source-and-destination>
set vsys <name> profiles vulnerability <name> rules <name> action block-ip duration <1-3600>
set vsys <name> profiles vulnerability <name> rules <name> packet-capture <disable|single-
packet|extended-capture>
set vsys <name> profiles vulnerability <name> threat-exception
set vsys <name> profiles vulnerability <name> threat-exception <name>
set vsys <name> profiles vulnerability <name> threat-exception <name> packet-capture <disable|
single-packet|extended-capture>
set vsys <name> profiles vulnerability <name> threat-exception <name> action
set vsys <name> profiles vulnerability <name> threat-exception <name> action default
set vsys <name> profiles vulnerability <name> threat-exception <name> action allow
set vsys <name> profiles vulnerability <name> threat-exception <name> action alert
set vsys <name> profiles vulnerability <name> threat-exception <name> action drop
set vsys <name> profiles vulnerability <name> threat-exception <name> action reset-client
set vsys <name> profiles vulnerability <name> threat-exception <name> action reset-server
set vsys <name> profiles vulnerability <name> threat-exception <name> action reset-both
set vsys <name> profiles vulnerability <name> threat-exception <name> action block-ip
set vsys <name> profiles vulnerability <name> threat-exception <name> action block-ip track-by
<source|source-and-destination>
set vsys <name> profiles vulnerability <name> threat-exception <name> action block-ip duration
<1-3600>
set vsys <name> profiles vulnerability <name> threat-exception <name> time-attribute
set vsys <name> profiles vulnerability <name> threat-exception <name> time-attribute interval
<1-3600>
set vsys <name> profiles vulnerability <name> threat-exception <name> time-attribute threshold
<1-65535>
set vsys <name> profiles vulnerability <name> threat-exception <name> time-attribute track-by
<source|destination|source-and-destination>
set vsys <name> profiles vulnerability <name> threat-exception <name> exempt-ip
set vsys <name> profiles vulnerability <name> threat-exception <name> exempt-ip <name>
set vsys <name> profiles url-filtering

```



```
set vsys <name> profiles url-filtering <name>
set vsys <name> profiles url-filtering <name> description <value>
set vsys <name> profiles url-filtering <name> allow [ <allow1> <allow2>... ]
set vsys <name> profiles url-filtering <name> alert [ <alert1> <alert2>... ]
set vsys <name> profiles url-filtering <name> block [ <block1> <block2>... ]
set vsys <name> profiles url-filtering <name> continue [ <continue1> <continue2>... ]
set vsys <name> profiles url-filtering <name> override [ <override1> <override2>... ]
set vsys <name> profiles url-filtering <name> credential-enforcement
set vsys <name> profiles url-filtering <name> credential-enforcement mode
set vsys <name> profiles url-filtering <name> credential-enforcement mode disabled
set vsys <name> profiles url-filtering <name> credential-enforcement mode ip-user
set vsys <name> profiles url-filtering <name> credential-enforcement mode domain-credentials
set vsys <name> profiles url-filtering <name> credential-enforcement mode group-mapping
<value>
set vsys <name> profiles url-filtering <name> credential-enforcement log-severity <value>
set vsys <name> profiles url-filtering <name> credential-enforcement allow [ <allow1>
<allow2>... ]
set vsys <name> profiles url-filtering <name> credential-enforcement alert [ <alert1> <alert2>... ]
set vsys <name> profiles url-filtering <name> credential-enforcement block [ <block1>
<block2>... ]
set vsys <name> profiles url-filtering <name> credential-enforcement continue [ <continue1>
<continue2>... ]
set vsys <name> profiles url-filtering <name> enable-container-page <yes|no>
set vsys <name> profiles url-filtering <name> log-container-page-only <yes|no>
set vsys <name> profiles url-filtering <name> safe-search-enforcement <yes|no>
set vsys <name> profiles url-filtering <name> log-http-hdr-xff <yes|no>
set vsys <name> profiles url-filtering <name> log-http-hdr-user-agent <yes|no>
set vsys <name> profiles url-filtering <name> log-http-hdr-referer <yes|no>
set vsys <name> profiles url-filtering <name> http-header-insertion
set vsys <name> profiles url-filtering <name> http-header-insertion <name>
set vsys <name> profiles url-filtering <name> http-header-insertion <name> type
set vsys <name> profiles url-filtering <name> http-header-insertion <name> type <name>
set vsys <name> profiles url-filtering <name> http-header-insertion <name> type <name>
headers
```

```
set vsys <name> profiles url-filtering <name> http-header-insertion <name> type <name>
headers <name>

set vsys <name> profiles url-filtering <name> http-header-insertion <name> type <name>
headers <name> header <value>

set vsys <name> profiles url-filtering <name> http-header-insertion <name> type <name>
headers <name> value <value>

set vsys <name> profiles url-filtering <name> http-header-insertion <name> type <name>
headers <name> log <yes|no>

set vsys <name> profiles url-filtering <name> http-header-insertion <name> type <name>
domains [ <domains1> <domains2>... ]

set vsys <name> profiles url-filtering <name> mlav-category-exception [ <mlav-category-
exception1> <mlav-category-exception2>... ]

set vsys <name> profiles url-filtering <name> mlav-engine-urlbased-enabled

set vsys <name> profiles url-filtering <name> mlav-engine-urlbased-enabled <name>

set vsys <name> profiles url-filtering <name> mlav-engine-urlbased-enabled <name> mlav-policy-
action <block|alert|allow>

set vsys <name> profiles file-blocking

set vsys <name> profiles file-blocking <name>

set vsys <name> profiles file-blocking <name> description <value>

set vsys <name> profiles file-blocking <name> rules

set vsys <name> profiles file-blocking <name> rules <name>

set vsys <name> profiles file-blocking <name> rules <name> application [ <application1>
<application2>... ]

set vsys <name> profiles file-blocking <name> rules <name> file-type [ <file-type1> <file-
type2>... ]

set vsys <name> profiles file-blocking <name> rules <name> direction <upload|download|both>

set vsys <name> profiles file-blocking <name> rules <name> action <alert|block|continue>

set vsys <name> profiles wildfire-analysis

set vsys <name> profiles wildfire-analysis <name>

set vsys <name> profiles wildfire-analysis <name> description <value>

set vsys <name> profiles wildfire-analysis <name> rules

set vsys <name> profiles wildfire-analysis <name> rules <name>

set vsys <name> profiles wildfire-analysis <name> rules <name> application [ <application1>
<application2>... ]

set vsys <name> profiles wildfire-analysis <name> rules <name> file-type [ <file-type1> <file-
type2>... ]
```

```
set vsys <name> profiles wildfire-analysis <name> rules <name> direction <upload|download|
both>

set vsys <name> profiles wildfire-analysis <name> rules <name> analysis <public-cloud|private-
cloud>

set vsys <name> profiles custom-url-category

set vsys <name> profiles custom-url-category <name>

set vsys <name> profiles custom-url-category <name> description <value>

set vsys <name> profiles custom-url-category <name> list [ <list1> <list2>... ]

set vsys <name> profiles custom-url-category <name> type <value>

set vsys <name> profiles data-objects

set vsys <name> profiles data-objects <name>

set vsys <name> profiles data-objects <name> description <value>

set vsys <name> profiles data-objects <name> pattern-type

set vsys <name> profiles data-objects <name> pattern-type predefined

set vsys <name> profiles data-objects <name> pattern-type predefined pattern

set vsys <name> profiles data-objects <name> pattern-type predefined pattern <name>

set vsys <name> profiles data-objects <name> pattern-type predefined pattern <name> file-type
[ <file-type1> <file-type2>... ]

set vsys <name> profiles data-objects <name> pattern-type regex

set vsys <name> profiles data-objects <name> pattern-type regex pattern

set vsys <name> profiles data-objects <name> pattern-type regex pattern <name>

set vsys <name> profiles data-objects <name> pattern-type regex pattern <name> file-type
[ <file-type1> <file-type2>... ]

set vsys <name> profiles data-objects <name> pattern-type regex pattern <name> regex <value>

set vsys <name> profiles data-objects <name> pattern-type file-properties

set vsys <name> profiles data-objects <name> pattern-type file-properties pattern

set vsys <name> profiles data-objects <name> pattern-type file-properties pattern <name>

set vsys <name> profiles data-objects <name> pattern-type file-properties pattern <name> file-
type <value>

set vsys <name> profiles data-objects <name> pattern-type file-properties pattern <name> file-
property <value>

set vsys <name> profiles data-objects <name> pattern-type file-properties pattern <name>
property-value <value>

set vsys <name> profiles data-filtering

set vsys <name> profiles data-filtering <name>

set vsys <name> profiles data-filtering <name> description <value>
```

```
set vsys <name> profiles data-filtering <name> data-capture <yes|no>
set vsys <name> profiles data-filtering <name> rules
set vsys <name> profiles data-filtering <name> rules <name>
set vsys <name> profiles data-filtering <name> rules <name> data-object <value>
set vsys <name> profiles data-filtering <name> rules <name> application [ <application1>
<application2>... ]
set vsys <name> profiles data-filtering <name> rules <name> file-type [ <file-type1> <file-
type2>... ]
set vsys <name> profiles data-filtering <name> rules <name> direction <upload|download|both>
set vsys <name> profiles data-filtering <name> rules <name> alert-threshold <0-65535>
set vsys <name> profiles data-filtering <name> rules <name> block-threshold <0-65535>
set vsys <name> profiles data-filtering <name> rules <name> log-severity <value>
set vsys <name> profiles hip-profiles
set vsys <name> profiles hip-profiles <name>
set vsys <name> profiles hip-profiles <name> description <value>
set vsys <name> profiles hip-profiles <name> match <value>
set vsys <name> profiles dos-protection
set vsys <name> profiles dos-protection <name>
set vsys <name> profiles dos-protection <name> type <aggregate|classified>
set vsys <name> profiles dos-protection <name> description <value>
set vsys <name> profiles dos-protection <name> flood
set vsys <name> profiles dos-protection <name> flood tcp-syn
set vsys <name> profiles dos-protection <name> flood tcp-syn enable <yes|no>
set vsys <name> profiles dos-protection <name> flood tcp-syn
set vsys <name> profiles dos-protection <name> flood tcp-syn red
set vsys <name> profiles dos-protection <name> flood tcp-syn red alarm-rate <0-2000000>
set vsys <name> profiles dos-protection <name> flood tcp-syn red activate-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood tcp-syn red maximal-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood tcp-syn red block
set vsys <name> profiles dos-protection <name> flood tcp-syn red block duration <1-21600>
set vsys <name> profiles dos-protection <name> flood tcp-syn syn-cookies
set vsys <name> profiles dos-protection <name> flood tcp-syn syn-cookies alarm-rate
<0-2000000>
set vsys <name> profiles dos-protection <name> flood tcp-syn syn-cookies activate-rate
<0-2000000>
```

```

set vsys <name> profiles dos-protection <name> flood tcp-syn syn-cookies maximal-rate
<1-2000000>
set vsys <name> profiles dos-protection <name> flood tcp-syn syn-cookies block
set vsys <name> profiles dos-protection <name> flood tcp-syn syn-cookies block duration
<1-21600>
set vsys <name> profiles dos-protection <name> flood udp
set vsys <name> profiles dos-protection <name> flood udp enable <yes|no>
set vsys <name> profiles dos-protection <name> flood udp red
set vsys <name> profiles dos-protection <name> flood udp red alarm-rate <0-2000000>
set vsys <name> profiles dos-protection <name> flood udp red activate-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood udp red maximal-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood udp red block
set vsys <name> profiles dos-protection <name> flood udp red block duration <1-21600>
set vsys <name> profiles dos-protection <name> flood icmp
set vsys <name> profiles dos-protection <name> flood icmp enable <yes|no>
set vsys <name> profiles dos-protection <name> flood icmp red
set vsys <name> profiles dos-protection <name> flood icmp red alarm-rate <0-2000000>
set vsys <name> profiles dos-protection <name> flood icmp red activate-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood icmp red maximal-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood icmp red block
set vsys <name> profiles dos-protection <name> flood icmp red block duration <1-21600>
set vsys <name> profiles dos-protection <name> flood icmpv6
set vsys <name> profiles dos-protection <name> flood icmpv6 enable <yes|no>
set vsys <name> profiles dos-protection <name> flood icmpv6 red
set vsys <name> profiles dos-protection <name> flood icmpv6 red alarm-rate <0-2000000>
set vsys <name> profiles dos-protection <name> flood icmpv6 red activate-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood icmpv6 red maximal-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood icmpv6 red block
set vsys <name> profiles dos-protection <name> flood icmpv6 red block duration <1-21600>
set vsys <name> profiles dos-protection <name> flood other-ip
set vsys <name> profiles dos-protection <name> flood other-ip enable <yes|no>
set vsys <name> profiles dos-protection <name> flood other-ip red
set vsys <name> profiles dos-protection <name> flood other-ip red alarm-rate <0-2000000>
set vsys <name> profiles dos-protection <name> flood other-ip red activate-rate <1-2000000>

```

```

set vsys <name> profiles dos-protection <name> flood other-ip red maximal-rate <1-2000000>
set vsys <name> profiles dos-protection <name> flood other-ip red block
set vsys <name> profiles dos-protection <name> flood other-ip red block duration <1-21600>
set vsys <name> profiles dos-protection <name> resource
set vsys <name> profiles dos-protection <name> resource sessions
set vsys <name> profiles dos-protection <name> resource sessions enabled <yes|no>
set vsys <name> profiles dos-protection <name> resource sessions max-concurrent-limit
<1-4194304>
set vsys <name> profiles sdwan-path-quality
set vsys <name> profiles sdwan-path-quality <name>
set vsys <name> profiles sdwan-path-quality <name> metric
set vsys <name> profiles sdwan-path-quality <name> metric latency
set vsys <name> profiles sdwan-path-quality <name> metric latency threshold <10-3000>
set vsys <name> profiles sdwan-path-quality <name> metric latency sensitivity <low|medium|
high>
set vsys <name> profiles sdwan-path-quality <name> metric pkt-loss
set vsys <name> profiles sdwan-path-quality <name> metric pkt-loss threshold <1-100>
set vsys <name> profiles sdwan-path-quality <name> metric pkt-loss sensitivity <low|medium|
high>
set vsys <name> profiles sdwan-path-quality <name> metric jitter
set vsys <name> profiles sdwan-path-quality <name> metric jitter threshold <10-2000>
set vsys <name> profiles sdwan-path-quality <name> metric jitter sensitivity <low|medium|high>
set vsys <name> profiles sdwan-traffic-distribution
set vsys <name> profiles sdwan-traffic-distribution <name>
set vsys <name> profiles sdwan-traffic-distribution <name> traffic-distribution <Best Available
Path|Top Down Priority|Weighted Session Distribution>
set vsys <name> profiles sdwan-traffic-distribution <name> link-tags
set vsys <name> profiles sdwan-traffic-distribution <name> link-tags <name>
set vsys <name> profiles sdwan-traffic-distribution <name> link-tags <name> weight <0-100>
set vsys <name> profiles sdwan-saas-quality
set vsys <name> profiles sdwan-saas-quality <name>
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode adaptive
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip

```

```

set vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip ip-address
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip ip-address <name>
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip ip-address <name>
probe-interval <1-60>
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip fqdn
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip fqdn fqdn-name
<value>
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode static-ip fqdn probe-interval
<1-60>
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode http-https
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode http-https monitored-url
<value>
set vsys <name> profiles sdwan-saas-quality <name> monitor-mode http-https probe-interval
<3-60>
set vsys <name> profiles sdwan-error-correction
set vsys <name> profiles sdwan-error-correction <name>
set vsys <name> profiles sdwan-error-correction <name> activation-threshold <1-99>
set vsys <name> profiles sdwan-error-correction <name> mode
set vsys <name> profiles sdwan-error-correction <name> mode
set vsys <name> profiles sdwan-error-correction <name> mode forward-error-correction
set vsys <name> profiles sdwan-error-correction <name> mode forward-error-correction ratio
<10% (20:2)|20% (20:4)|30% (20:6)|40% (20:8)|50% (20:10)>
set vsys <name> profiles sdwan-error-correction <name> mode forward-error-correction
recovery-duration <1-5000>
set vsys <name> profiles sdwan-error-correction <name> mode packet-duplication
set vsys <name> profiles sdwan-error-correction <name> mode packet-duplication recovery-
duration-pd <1-5000>
set vsys <name> profiles decryption
set vsys <name> profiles decryption <name>
set vsys <name> profiles decryption <name> interface <value>
set vsys <name> profiles decryption <name> forwarded-only <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy
set vsys <name> profiles decryption <name> ssl-forward-proxy block-expired-certificate <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy block-untrusted-issuer <yes|no>

```

```

set vsys <name> profiles decryption <name> ssl-forward-proxy block-tls13-downgrade-no-resource <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy restrict-cert-exts <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy block-unsupported-version <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy block-unsupported-cipher <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy block-client-cert <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy block-if-no-resource <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy block-if-hsm-unavailable <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy block-unknown-cert <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy block-timeout-cert <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy auto-include-altname <yes|no>
set vsys <name> profiles decryption <name> ssl-forward-proxy strip-alpn <yes|no>
set vsys <name> profiles decryption <name> ssl-inbound-proxy
set vsys <name> profiles decryption <name> ssl-inbound-proxy block-unsupported-version <yes|no>
set vsys <name> profiles decryption <name> ssl-inbound-proxy block-unsupported-cipher <yes|no>
set vsys <name> profiles decryption <name> ssl-inbound-proxy block-if-no-resource <yes|no>
set vsys <name> profiles decryption <name> ssl-inbound-proxy block-tls13-downgrade-no-resource <yes|no>
set vsys <name> profiles decryption <name> ssl-inbound-proxy block-if-hsm-unavailable <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings
set vsys <name> profiles decryption <name> ssl-protocol-settings min-version <ssl3|tls1-0|tls1-1|tls1-2|tls1-3>
set vsys <name> profiles decryption <name> ssl-protocol-settings max-version <ssl3|tls1-0|tls1-1|tls1-2|tls1-3|max>
set vsys <name> profiles decryption <name> ssl-protocol-settings keyxchg-algo-rsa <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings keyxchg-algo-dhe <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings keyxchg-algo-ecdh <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings enc-algo-3des <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings enc-algo-rc4 <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings enc-algo-aes-128-cbc <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings enc-algo-aes-256-cbc <yes|no>

```



```
set vsys <name> profiles decryption <name> ssl-protocol-settings enc-algo-aes-128-gcm <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings enc-algo-aes-256-gcm <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings enc-algo-chacha20-poly1305 <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings auth-algo-md5 <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings auth-algo-sha1 <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings auth-algo-sha256 <yes|no>
set vsys <name> profiles decryption <name> ssl-protocol-settings auth-algo-sha384 <yes|no>
set vsys <name> profiles decryption <name> ssl-no-proxy
set vsys <name> profiles decryption <name> ssl-no-proxy block-expired-certificate <yes|no>
set vsys <name> profiles decryption <name> ssl-no-proxy block-untrusted-issuer <yes|no>
set vsys <name> profiles decryption <name> ssh-proxy
set vsys <name> profiles decryption <name> ssh-proxy block-unsupported-version <yes|no>
set vsys <name> profiles decryption <name> ssh-proxy block-unsupported-alg <yes|no>
set vsys <name> profiles decryption <name> ssh-proxy block-ssh-errors <yes|no>
set vsys <name> profiles decryption <name> ssh-proxy block-if-no-resource <yes|no>
set vsys <name> profiles packet-broker
set vsys <name> profiles packet-broker <name>
set vsys <name> profiles packet-broker <name> description <value>
set vsys <name> profiles packet-broker <name> interface-primary <value>
set vsys <name> profiles packet-broker <name> interface-secondary <value>
set vsys <name> profiles packet-broker <name> flow <unidirectional|bidirectional>
set vsys <name> profiles packet-broker <name>
set vsys <name> profiles packet-broker <name> transparent
set vsys <name> profiles packet-broker <name> transparent enable-ipv6 <yes|no>
set vsys <name> profiles packet-broker <name> routed
set vsys <name> profiles packet-broker <name> routed security-chain
set vsys <name> profiles packet-broker <name> routed security-chain <name>
set vsys <name> profiles packet-broker <name> routed security-chain <name> enable <yes|no>
set vsys <name> profiles packet-broker <name> routed security-chain <name> first-device <ip/netmask>
set vsys <name> profiles packet-broker <name> routed security-chain <name> first-device-description <value>
```

```

set vsys <name> profiles packet-broker <name> routed security-chain <name> last-device <ip/
netmask>

set vsys <name> profiles packet-broker <name> routed security-chain <name> last-device-
description <value>

set vsys <name> profiles packet-broker <name> routed distribution <round-robin|ip-modulo|ip-
hash|lowest-latency>

set vsys <name> profiles packet-broker <name> health-check

set vsys <name> profiles packet-broker <name> health-check failure-action <bypass|block>

set vsys <name> profiles packet-broker <name> health-check failure-condition <any|all>

set vsys <name> profiles packet-broker <name> health-check path-enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check path-count <1-10>

set vsys <name> profiles packet-broker <name> health-check path-interval-s <1-60>

set vsys <name> profiles packet-broker <name> health-check path-recovery-hold-s <0-65535>

set vsys <name> profiles packet-broker <name> health-check http-enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check http-count <1-10>

set vsys <name> profiles packet-broker <name> health-check http-interval-s <1-60>

set vsys <name> profiles packet-broker <name> health-check http-latency-enable <yes|no>

set vsys <name> profiles packet-broker <name> health-check http-latency-maximum-ms
<10-65535>

set vsys <name> profiles packet-broker <name> health-check http-latency-duration-s <1-65535>

set vsys <name> profiles packet-broker <name> health-check http-latency-log-exceeded <yes|
no>

set vsys <name> profile-group

set vsys <name> profile-group <name>

set vsys <name> profile-group <name> virus [ <virus1> <virus2>... ]

set vsys <name> profile-group <name> spyware [ <spyware1> <spyware2>... ]

set vsys <name> profile-group <name> vulnerability [ <vulnerability1> <vulnerability2>... ]

set vsys <name> profile-group <name> url-filtering [ <url-filtering1> <url-filtering2>... ]

set vsys <name> profile-group <name> file-blocking [ <file-blocking1> <file-blocking2>... ]

set vsys <name> profile-group <name> wildfire-analysis [ <wildfire-analysis1> <wildfire-
analysis2>... ]

set vsys <name> profile-group <name> data-filtering [ <data-filtering1> <data-filtering2>... ]

set vsys <name> service

set vsys <name> service <name>

set vsys <name> service <name> description <value>

```

```

set vsys <name> service <name> protocol
set vsys <name> service <name> protocol tcp
set vsys <name> service <name> protocol tcp port <0-65535,...>
set vsys <name> service <name> protocol tcp source-port <0-65535,...>
set vsys <name> service <name> protocol tcp override
set vsys <name> service <name> protocol tcp override no
set vsys <name> service <name> protocol tcp override yes
set vsys <name> service <name> protocol tcp override yes timeout <1-604800>
set vsys <name> service <name> protocol tcp override yes halfclose-timeout <1-604800>
set vsys <name> service <name> protocol tcp override yes timewait-timeout <1-600>
set vsys <name> service <name> protocol udp
set vsys <name> service <name> protocol udp port <0-65535,...>
set vsys <name> service <name> protocol udp source-port <0-65535,...>
set vsys <name> service <name> protocol udp override
set vsys <name> service <name> protocol udp override no
set vsys <name> service <name> protocol udp override yes
set vsys <name> service <name> protocol udp override yes timeout <1-604800>
set vsys <name> service <name> tag [ <tag1> <tag2>... ]
set vsys <name> service-group
set vsys <name> service-group <name>
set vsys <name> service-group <name> members [ <members1> <members2>... ]
set vsys <name> service-group <name> tag [ <tag1> <tag2>... ]
set vsys <name> reports
set vsys <name> reports <name>
set vsys <name> reports <name> description <value>
set vsys <name> reports <name> disabled <yes|no>
set vsys <name> reports <name> query <value>
set vsys <name> reports <name> caption <value>
set vsys <name> reports <name> frequency <daily>
set vsys <name> reports <name> start-time <value>
set vsys <name> reports <name> end-time <value>
set vsys <name> reports <name> period <last-15-minutes|last-hour|last-6-hrs|last-12-hrs|
last-24-hrs|last-calendar-day|last-7-days|last-7-calendar-days|last-calendar-week|last-30-days|

```

last-30-calendar-days|last-60-days|last-60-calendar-days|last-90-days|last-90-calendar-days|last-calendar-month>

set vsys <name> reports <name> topn <1-10000>

set vsys <name> reports <name> topm <1-50>

set vsys <name> reports <name> type

set vsys <name> reports <name> type appstat

set vsys <name> reports <name> type appstat aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type appstat group-by <serial|vsys_name|device_name|vsys_name|risk|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|subcategory-of-name|category-of-name|risk-of-name|container-of-name|technology-of-name>

set vsys <name> reports <name> type appstat values [<values1> <values2>...]

set vsys <name> reports <name> type appstat labels [<labels1> <labels2>...]

set vsys <name> reports <name> type appstat sortby <nbytes|nsess|npkts|nthreats>

set vsys <name> reports <name> type decryption

set vsys <name> reports <name> type decryption aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type decryption group-by <serial|time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|natdport|proto|action|tunnel|rule_uid|s_encrypted|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|vsys_name|device_name|tls_version|tls_keyxchg|tls_enc|tls_auth|ec_curve|err_index|root_status|proxy_type|policy_name|cn|issuer_cn|root_cn|sn|error|src_dag|dst_dag|src_edl|dst_edl|container_id|pod_namespace|pod_name|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time>

set vsys <name> reports <name> type decryption values [<values1> <values2>...]

set vsys <name> reports <name> type decryption labels [<labels1> <labels2>...]

set vsys <name> reports <name> type decryption sortby <repeatcnt|nunique-of-src_profile|nunique-of-dst_profile>

set vsys <name> reports <name> type desum

set vsys <name> reports <name> type desum aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type desum group-by <serial|time_generated|vsys_name|device_name|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|app|src|dst|srcuser|dstuser|vsys|tls_version|tls_keyxchg|tls_enc|tls_auth|sn|error|err_index|src_edl|dst_edl|container_id|pod_namespace|pod_name|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time>

```
set vsys <name> reports <name> type desum values [ <values1> <values2>... ]
set vsys <name> reports <name> type desum labels [ <labels1> <labels2>... ]
set vsys <name> reports <name> type desum sortby <repeatcnt|nunique-of-src_profile|nunique-of-dst_profile>
set vsys <name> reports <name> type threat
set vsys <name> reports <name> type threat aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set vsys <name> reports <name> type threat group-by <serial|time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|nat sport|natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|vsys_name|device_name|parent_session_id|parent_start_time|threatid|category|severity|direction|http_method|nssai_sst|filedigest|filetype|http2_connection|xff_ip|threat_name|src_edl|dst_edl|dynusergroup_name|hostid|partial_hash|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|misc|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|pbf-s2c|pbf-c2s|flag-nat|flag-pcap|subtype|transaction|captive-portal|flag-proxy|non-std-dport|tunnelid|monitortag|users|category-of-threatid|threat-type>
set vsys <name> reports <name> type threat values [ <values1> <values2>... ]
set vsys <name> reports <name> type threat labels [ <labels1> <labels2>... ]
set vsys <name> reports <name> type threat sortby <repeatcnt|nunique-of-users|nunique-of-src_profile|nunique-of-dst_profile>
set vsys <name> reports <name> type url
set vsys <name> reports <name> type url aggregate-by [ <aggregate-by1> <aggregate-by2>... ]
set vsys <name> reports <name> type url group-by <action|app|category|category-of-app|direction|dport|dst|dstuser|from|inbound_if|misc|http_headers|natdport|natdst|nat sport|nat src|outbound_if|proto|risk-of-app|rule|rule_uuid|severity|sport|src|srcuser|subcategory-of-app|technology-of-app|container-of-app|to|dstloc|srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-receive_time|contenttype|user_agent|device_name|vsys_name|url|tunnelid|monitortag|parent_session_id|parent_start_time|http2_connection|tunnel|http_method|url_category_list|xff_ip|container_id|pod_namespace|pod_name|src_dag|dst_dag|src_edl|dst_edl|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac>
set vsys <name> reports <name> type url values [ <values1> <values2>... ]
set vsys <name> reports <name> type url labels [ <labels1> <labels2>... ]
set vsys <name> reports <name> type url sortby <repeatcnt|nunique-of-users>
set vsys <name> reports <name> type wildfire
set vsys <name> reports <name> type wildfire aggregate-by [ <aggregate-by1> <aggregate-by2>... ]
```

```
set vsys <name> reports <name> type wildfire group-by <app|category|category-of-app|dport|
dst|dstuser|from|inbound_if|misc|natdport|natdst|natsport|natsrc|outbound_if|proto|risk-of-app|
rule|rule_uuid|sport|src|srcuser|subcategory-of-app|technology-of-app|container-of-app|to|dstloc|
srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-receive_time|vsys_name|
device_name|filetype|filename|filedigest|tunnelid|monitortag|parent_session_id|parent_start_time|
http2_connection|tunnel|xff_ip|src_dag|dst_dag|src_edl|dst_edl>

set vsys <name> reports <name> type wildfire values [ <values1> <values2>... ]

set vsys <name> reports <name> type wildfire labels [ <labels1> <labels2>... ]

set vsys <name> reports <name> type wildfire sortby <repeatcnt|nunique-of-users>

set vsys <name> reports <name> type data

set vsys <name> reports <name> type data aggregate-by [ <aggregate-by1> <aggregate-by2>... ]

set vsys <name> reports <name> type data group-by <action|app|category-of-app|direction|dport|
dst|dstuser|from|inbound_if|misc|natdport|natdst|natsport|natsrc|outbound_if|proto|risk-of-app|
rule|rule_uuid|severity|sport|src|srcuser|subcategory-of-app|subtype|technology-of-app|container-
of-app|threatid|to|dstloc|srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-
receive_time|vsys_name|device_name|data-type|filename|tunnelid|monitortag|parent_session_id|
parent_start_time|http2_connection|tunnel|xff_ip|src_dag|dst_dag|src_edl|dst_edl|src_category|
src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|
dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac>

set vsys <name> reports <name> type data values [ <values1> <values2>... ]

set vsys <name> reports <name> type data labels [ <labels1> <labels2>... ]

set vsys <name> reports <name> type data sortby <repeatcnt|nunique-of-users>

set vsys <name> reports <name> type thsum

set vsys <name> reports <name> type thsum aggregate-by [ <aggregate-by1> <aggregate-
by2>... ]

set vsys <name> reports <name> type thsum group-by <serial|time_generated|vsys_name|
device_name|app|src|dst|rule|threatid|srcuser|dstuser|srcloc|dstloc|xff_ip|vsys|from|to|dev_serial|
dport|action|severity|inbound_if|outbound_if|category|category-of-app|subcategory-of-
app|technology-of-app|container-of-app|risk-of-app|parent_session_id|parent_start_time|
tunnel|direction|assoc_id|ppid|http2_connection|rule_uuid|threat_name|src_edl|dst_edl|hostid|
dynusergroup_name|nssai_sst|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|
dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|src_dag|dst_dag|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time|subtype|tunnelid|monitortag|
category-of-threatid|threat-type>

set vsys <name> reports <name> type thsum values [ <values1> <values2>... ]

set vsys <name> reports <name> type thsum labels [ <labels1> <labels2>... ]

set vsys <name> reports <name> type thsum sortby <sessions|count|nunique-of-apps|nunique-of-
users|nunique-of-src_profile|nunique-of-dst_profile>

set vsys <name> reports <name> type traffic
```

set vsys <name> reports <name> type traffic aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type traffic group-by <serial|time_generated|src|dst|natsrc|natdst|rule|srcuser|dstuser|srcloc|dstloc|app|vsys|from|to|inbound_if|outbound_if|sport|dport|natport|natdport|proto|action|tunnel|rule_uuid|s_encrypted|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|vsys_name|device_name|parent_session_id|parent_start_time|category|session_end_reason|action_source|nssai_sst|nssai_sd|http2_connection|xff_ip|dynusergroup_name|src_edl|dst_edl|hostid|session_owner|policy_id|offloaded|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|pbf-s2c|pbf-c2s|decrypt-mirror|threat-type|flag-nat|flag-pcap|captive-portal|flag-proxy|non-std-dport|transaction|sym-return|sessionid|flag-decrypt-fwd|tunnelid|monitortag>

set vsys <name> reports <name> type traffic values [<values1> <values2>...]

set vsys <name> reports <name> type traffic labels [<labels1> <labels2>...]

set vsys <name> reports <name> type traffic sortby <repeatcnt|bytes|bytes_sent|bytes_received|packets|pkts_sent|pkts_received|chunks|chunks_sent|chunks_received|nunique-of-users|elapsed|nunique-of-src_profile|nunique-of-dst_profile>

set vsys <name> reports <name> type urlsum

set vsys <name> reports <name> type urlsum aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type urlsum group-by <serial|time_generated|vsys_name|device_name|app|category|src|dst|rule|srcuser|dstuser|srcloc|dstloc|vsys|from|to|dev_serial|inbound_if|outbound_if|dport|action|tunnel|url_domain|user_agent|http_method|http2_connection|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|parent_session_id|parent_start_time|rule_uuid|xff_ip|src_edl|dst_edl|hostid|dynusergroup_name|nssai_sst|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|url_category_list|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|tunnelid|monitortag>

set vsys <name> reports <name> type urlsum values [<values1> <values2>...]

set vsys <name> reports <name> type urlsum labels [<labels1> <labels2>...]

set vsys <name> reports <name> type urlsum sortby <repeatcnt|nunique-of-users|nunique-of-src_profile|nunique-of-dst_profile>

set vsys <name> reports <name> type trsum

set vsys <name> reports <name> type trsum aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type trsum group-by <serial|time_generated|vsys_name|device_name|app|src|dst|xff_ip|rule|srcuser|dstuser|srcloc|dstloc|category|vsys|from|to|dev_serial|dport|action|tunnel|inbound_if|outbound_if|category-of-app|subcategory-of-app|technology-of-app|container-of-app|risk-of-app|parent_session_id|parent_start_time|assoc_id|http2_connection|rule_uuid|src_edl|dst_edl|dynusergroup_name|s_decrypted|s_encrypted|hostid|

nssai_sst|src_category|src_profile|src_model|src_vendor|src_osfamily|src_osversion|src_host|src_mac|dst_category|dst_profile|dst_model|dst_vendor|dst_osfamily|dst_osversion|dst_host|dst_mac|container_id|pod_namespace|pod_name|src_dag|dst_dag|day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time|tunnelid|monitortag|standard-ports-of-app>

set vsys <name> reports <name> type trsum values [<values1> <values2>...]

set vsys <name> reports <name> type trsum labels [<labels1> <labels2>...]

set vsys <name> reports <name> type trsum sortby <bytes|sessions|bytes_sent|bytes_received|nthreats|nfrans|ndpmatches|nurlcount|chunks|chunks_sent|chunks_received|ncontent|nunique-of-apps|nunique-of-users|nunique-of-src_profile|nunique-of-dst_profile>

set vsys <name> reports <name> type tunnel

set vsys <name> reports <name> type tunnel aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type tunnel group-by <action|app|category-of-app|dport|dst|dstuser|from|inbound_if|natdport|natdst|natsport|natsrc|outbound_if|proto|risk-of-app|rule|rule_uuid|sessionid|sport|src|srcuser|subcategory-of-app|technology-of-app|container-of-app|to|dstloc|srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-receive_time|vsys_name|device_name|tunnelid|monitortag|parent_session_id|parent_start_time|session_end_reason|action_source|tunnel|tunnel_insp_rule|src_dag|dst_dag|src_edl|dst_edl>

set vsys <name> reports <name> type tunnel values [<values1> <values2>...]

set vsys <name> reports <name> type tunnel labels [<labels1> <labels2>...]

set vsys <name> reports <name> type tunnel sortby <repeatcnt|bytes|bytes_sent|bytes_received|packets|pkts_sent|pkts_received|max_encap|unknown_proto|strict_check|tunnel_fragment|sessions_created|sessions_closed|nunique-of-users>

set vsys <name> reports <name> type tunnelsum

set vsys <name> reports <name> type tunnelsum aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type tunnelsum group-by <action|app|category-of-app|dst|risk-of-app|rule|rule_uuid|src|subcategory-of-app|technology-of-app|container-of-app|dstloc|srcloc|vsys|quarter-hour-of-receive_time|hour-of-receive_time|day-of-receive_time|serial|vsys_name|device_name|tunnelid|monitortag|parent_session_id|parent_start_time|tunnel|tunnel_insp_rule|src_dag|dst_dag|src_edl|dst_edl>

set vsys <name> reports <name> type tunnelsum values [<values1> <values2>...]

set vsys <name> reports <name> type tunnelsum labels [<labels1> <labels2>...]

set vsys <name> reports <name> type tunnelsum sortby <repeatcnt|bytes|bytes_sent|bytes_received>

set vsys <name> reports <name> type userid

set vsys <name> reports <name> type userid aggregate-by [<aggregate-by1> <aggregate-by2>...]

set vsys <name> reports <name> type userid group-by <serial|time_generated|vsys_name|device_name|vsys|ip|user|datasourcename|beginport|endport|datasource|datasourcetype|


```
factortype|factorcompletiontime|factorno|tag_name|day-of-receive_time|hour-of-receive_time|
quarter-hour-of-receive_time|subtype>
set vsys <name> reports <name> type userid values [ <values1> <values2>... ]
set vsys <name> reports <name> type userid labels [ <labels1> <labels2>... ]
set vsys <name> reports <name> type userid sortby <repeatcnt|factortype|factorcompletiontime>
set vsys <name> reports <name> type auth
set vsys <name> reports <name> type auth aggregate-by [ <aggregate-by1> <aggregate-by2>... ]
set vsys <name> reports <name> type auth group-by <serial|time_generated|vsys_name|
device_name|vsys|ip|user|normalize_user|object|authpolicy|authid|vendor|clienttype|event|
factorno|authproto|rule_uuid|src_category|src_profile|src_model|src_vendor|src_osfamily|
src_osversion|src_host|src_mac|day-of-receive_time|hour-of-receive_time|quarter-hour-of-
receive_time|serverprofile|desc>
set vsys <name> reports <name> type auth values [ <values1> <values2>... ]
set vsys <name> reports <name> type auth labels [ <labels1> <labels2>... ]
set vsys <name> reports <name> type auth sortby <repeatcnt|time_generated|vendor>
set vsys <name> reports <name> type iptag
set vsys <name> reports <name> type iptag aggregate-by [ <aggregate-by1> <aggregate-by2>... ]
set vsys <name> reports <name> type iptag group-by <serial|time_generated|vsys_name|
device_name|vsys|ip|tag_name|event_id|datasourcename|datasource_type|datasource_subtype|
day-of-receive_time|hour-of-receive_time|quarter-hour-of-receive_time>
set vsys <name> reports <name> type iptag values [ <values1> <values2>... ]
set vsys <name> reports <name> type iptag labels [ <labels1> <labels2>... ]
set vsys <name> reports <name> type iptag sortby <repeatcnt|time_generated>
set vsys <name> reports <name> type hipmatch
set vsys <name> reports <name> type hipmatch aggregate-by [ <aggregate-by1> <aggregate-
by2>... ]
set vsys <name> reports <name> type hipmatch group-by <serial|time_generated|vsys_name|
device_name|srcuser|vsys|machinename|src|matchname|os|matchtype|srcipv6|hostid|mac|day-of-
receive_time|hour-of-receive_time|quarter-hour-of-receive_time>
set vsys <name> reports <name> type hipmatch values [ <values1> <values2>... ]
set vsys <name> reports <name> type hipmatch labels [ <labels1> <labels2>... ]
set vsys <name> reports <name> type hipmatch sortby <repeatcnt>
set vsys <name> reports <name> type hipmatch last-match-by <>
set vsys <name> reports <name> type globalprotect
set vsys <name> reports <name> type globalprotect aggregate-by [ <aggregate-by1> <aggregate-
by2>... ]
```

```
set vsys <name> reports <name> type globalprotect group-by <serial|time_generated|vsys_name|
device_name|vsys|eventid|status|stage|auth_method|tunnel_type|portal|srcuser|srcregion|
machinename|public_ip|public_ipv6|private_ip|private_ipv6|hostid|serialnumber|client_ver|
client_os|client_os_ver|login_duration|connect_method|reason|error_code|error|opaque|gateway|
selection_type|response_time|priority|attempted_gateways|day-of-receive_time|hour-of-
receive_time|quarter-hour-of-receive_time>

set vsys <name> reports <name> type globalprotect values [ <values1> <values2>... ]

set vsys <name> reports <name> type globalprotect labels [ <labels1> <labels2>... ]

set vsys <name> reports <name> type globalprotect sortby <repeatcnt|nunique-of-ips|nunique-
of-gateways|nunique-of-users|nunique-of-hostid>

set vsys <name> report-group

set vsys <name> report-group <name>

set vsys <name> report-group <name> title-page <yes|no>

set vsys <name> report-group <name>

set vsys <name> report-group <name> predefined <user-activity-report|saas-application-usage-
report>

set vsys <name> report-group <name> custom-widget

set vsys <name> report-group <name> custom-widget <name>

set vsys <name> report-group <name> custom-widget <name>

set vsys <name> report-group <name> custom-widget <name> custom-report <value>

set vsys <name> report-group <name> custom-widget <name> pdf-summary-report <value>

set vsys <name> report-group <name> custom-widget <name> log-view <value>

set vsys <name> report-group <name> custom-widget <name> csv <value>

set vsys <name> report-group <name>

set vsys <name> report-group <name> all

set vsys <name> report-group <name> all entry

set vsys <name> report-group <name> all entry include-user-groups-info <yes|no>

set vsys <name> report-group <name> all entry user-groups [ <user-groups1> <user-groups2>... ]

set vsys <name> report-group <name> selected-zone

set vsys <name> report-group <name> selected-zone entry

set vsys <name> report-group <name> selected-zone entry include-user-groups-info <yes|no>

set vsys <name> report-group <name> selected-zone entry user-groups [ <user-groups1> <user-
groups2>... ]

set vsys <name> report-group <name> selected-zone entry zone <value>

set vsys <name> report-group <name> selected-user-group

set vsys <name> report-group <name> selected-user-group entry
```

```

set vsys <name> report-group <name> selected-user-group entry user-group <value>
set vsys <name> report-group <name> variable
set vsys <name> report-group <name> variable <name>
set vsys <name> report-group <name> variable <name> value <value>
set vsys <name> pdf-summary-report
set vsys <name> pdf-summary-report <name>
set vsys <name> pdf-summary-report <name> header
set vsys <name> pdf-summary-report <name> header caption <value>
set vsys <name> pdf-summary-report <name> footer
set vsys <name> pdf-summary-report <name> footer note <value>
set vsys <name> pdf-summary-report <name> custom-widget
set vsys <name> pdf-summary-report <name> custom-widget <name>
set vsys <name> pdf-summary-report <name> custom-widget <name> chart-type <pie|line|bar|
table>
set vsys <name> pdf-summary-report <name> custom-widget <name> row <1-6>
set vsys <name> pdf-summary-report <name> custom-widget <name> column <1-3>
set vsys <name> email-scheduler
set vsys <name> email-scheduler <name>
set vsys <name> email-scheduler <name> report-group <value>
set vsys <name> email-scheduler <name> email-profile <value>
set vsys <name> email-scheduler <name> recipient-emails <value>
set vsys <name> email-scheduler <name> recurring
set vsys <name> email-scheduler <name> recurring disabled
set vsys <name> email-scheduler <name> recurring daily
set vsys <name> email-scheduler <name> recurring weekly <sunday|monday|tuesday|wednesday|
thursday|friday|saturday>
set vsys <name> email-scheduler <name> recurring monthly <1-31>
set vsys <name> external-list
set vsys <name> external-list <name>
set vsys <name> external-list <name> type
set vsys <name> external-list <name> type predefined-ip
set vsys <name> external-list <name> type predefined-ip exception-list [ <exception-list1>
<exception-list2>... ]
set vsys <name> external-list <name> type predefined-ip description <value>

```

```
set vsys <name> external-list <name> type predefined-ip url <value>
set vsys <name> external-list <name> type predefined-url
set vsys <name> external-list <name> type predefined-url exception-list [ <exception-list1>
<exception-list2>... ]
set vsys <name> external-list <name> type predefined-url description <value>
set vsys <name> external-list <name> type predefined-url url <value>
set vsys <name> external-list <name> type ip
set vsys <name> external-list <name> type ip exception-list [ <exception-list1> <exception-
list2>... ]
set vsys <name> external-list <name> type ip description <value>
set vsys <name> external-list <name> type ip url <value>
set vsys <name> external-list <name> type ip certificate-profile <value>|<None>
set vsys <name> external-list <name> type ip auth
set vsys <name> external-list <name> type ip auth username <value>
set vsys <name> external-list <name> type ip auth password <value>
set vsys <name> external-list <name> type ip recurring
set vsys <name> external-list <name> type ip recurring
set vsys <name> external-list <name> type ip recurring five-minute
set vsys <name> external-list <name> type ip recurring hourly
set vsys <name> external-list <name> type ip recurring daily
set vsys <name> external-list <name> type ip recurring daily at <value>
set vsys <name> external-list <name> type ip recurring weekly
set vsys <name> external-list <name> type ip recurring weekly day-of-week <sunday|monday|
tuesday|wednesday|thursday|friday|saturday>
set vsys <name> external-list <name> type ip recurring weekly at <value>
set vsys <name> external-list <name> type ip recurring monthly
set vsys <name> external-list <name> type ip recurring monthly day-of-month <1-31>
set vsys <name> external-list <name> type ip recurring monthly at <value>
set vsys <name> external-list <name> type domain
set vsys <name> external-list <name> type domain exception-list [ <exception-list1> <exception-
list2>... ]
set vsys <name> external-list <name> type domain description <value>
set vsys <name> external-list <name> type domain url <value>
set vsys <name> external-list <name> type domain certificate-profile <value>|<None>
set vsys <name> external-list <name> type domain auth
```

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set vsys <name> external-list <name> type domain auth username <value>
set vsys <name> external-list <name> type domain auth password <value>
set vsys <name> external-list <name> type domain recurring
set vsys <name> external-list <name> type domain recurring
set vsys <name> external-list <name> type domain recurring hourly
set vsys <name> external-list <name> type domain recurring five-minute
set vsys <name> external-list <name> type domain recurring daily
set vsys <name> external-list <name> type domain recurring daily at <value>
set vsys <name> external-list <name> type domain recurring weekly
set vsys <name> external-list <name> type domain recurring weekly day-of-week <sunday|
monday|tuesday|wednesday|thursday|friday|saturday>
set vsys <name> external-list <name> type domain recurring weekly at <value>
set vsys <name> external-list <name> type domain recurring monthly
set vsys <name> external-list <name> type domain recurring monthly day-of-month <1-31>
set vsys <name> external-list <name> type domain recurring monthly at <value>
set vsys <name> external-list <name> type domain expand-domain <yes|no>
set vsys <name> external-list <name> type url
set vsys <name> external-list <name> type url exception-list [ <exception-list1> <exception-
list2>... ]
set vsys <name> external-list <name> type url description <value>
set vsys <name> external-list <name> type url url <value>
set vsys <name> external-list <name> type url certificate-profile <value>|<None>
set vsys <name> external-list <name> type url auth
set vsys <name> external-list <name> type url auth username <value>
set vsys <name> external-list <name> type url auth password <value>
set vsys <name> external-list <name> type url recurring
set vsys <name> external-list <name> type url recurring
set vsys <name> external-list <name> type url recurring hourly
set vsys <name> external-list <name> type url recurring five-minute
set vsys <name> external-list <name> type url recurring daily
set vsys <name> external-list <name> type url recurring daily at <value>
set vsys <name> external-list <name> type url recurring weekly
set vsys <name> external-list <name> type url recurring weekly day-of-week <sunday|monday|
tuesday|wednesday|thursday|friday|saturday>

```

```
set vsys <name> external-list <name> type url recurring weekly at <value>
set vsys <name> external-list <name> type url recurring monthly
set vsys <name> external-list <name> type url recurring monthly day-of-month <1-31>
set vsys <name> external-list <name> type url recurring monthly at <value>
set vsys <name> address
set vsys <name> address <name>
set vsys <name> address <name> description <value>
set vsys <name> address <name>
set vsys <name> address <name> ip-netmask <ip/netmask>
set vsys <name> address <name> ip-range <ip-range>
set vsys <name> address <name> ip-wildcard <ipdiscontmask>
set vsys <name> address <name> fqdn <value>
set vsys <name> address <name> tag [ <tag1> <tag2>... ]
set vsys <name> address-group
set vsys <name> address-group <name>
set vsys <name> address-group <name> description <value>
set vsys <name> address-group <name>
set vsys <name> address-group <name> static [ <static1> <static2>... ]
set vsys <name> address-group <name> dynamic
set vsys <name> address-group <name> dynamic filter <value>
set vsys <name> address-group <name> tag [ <tag1> <tag2>... ]
set vsys <name> dynamic-user-group
set vsys <name> dynamic-user-group <name>
set vsys <name> dynamic-user-group <name> description <value>
set vsys <name> dynamic-user-group <name> filter <value>
set vsys <name> dynamic-user-group <name> tag [ <tag1> <tag2>... ]
set vsys <name> schedule
set vsys <name> schedule <name>
set vsys <name> schedule <name> schedule-type
set vsys <name> schedule <name> schedule-type recurring
set vsys <name> schedule <name> schedule-type recurring weekly
set vsys <name> schedule <name> schedule-type recurring weekly sunday [ <sunday1>
<sunday2>... ]
```

```
set vsys <name> schedule <name> schedule-type recurring weekly monday [ <monday1>
<monday2>... ]
set vsys <name> schedule <name> schedule-type recurring weekly tuesday [ <tuesday1>
<tuesday2>... ]
set vsys <name> schedule <name> schedule-type recurring weekly wednesday [ <wednesday1>
<wednesday2>... ]
set vsys <name> schedule <name> schedule-type recurring weekly thursday [ <thursday1>
<thursday2>... ]
set vsys <name> schedule <name> schedule-type recurring weekly friday [ <friday1> <friday2>... ]
set vsys <name> schedule <name> schedule-type recurring weekly saturday [ <saturday1>
<saturday2>... ]
set vsys <name> schedule <name> schedule-type recurring daily [ <daily1> <daily2>... ]
set vsys <name> schedule <name> schedule-type non-recurring [ <non-recurring1> <non-
recurring2>... ]
set vsys <name> threats
set vsys <name> threats vulnerability
set vsys <name> threats vulnerability <name>
set vsys <name> threats vulnerability <name> threatname <value>
set vsys <name> threats vulnerability <name> affected-host
set vsys <name> threats vulnerability <name> affected-host client <yes|no>
set vsys <name> threats vulnerability <name> affected-host server <yes|no>
set vsys <name> threats vulnerability <name> comment <value>
set vsys <name> threats vulnerability <name> severity <value>
set vsys <name> threats vulnerability <name> direction <value>
set vsys <name> threats vulnerability <name> default-action
set vsys <name> threats vulnerability <name> default-action alert
set vsys <name> threats vulnerability <name> default-action drop
set vsys <name> threats vulnerability <name> default-action reset-client
set vsys <name> threats vulnerability <name> default-action reset-server
set vsys <name> threats vulnerability <name> default-action reset-both
set vsys <name> threats vulnerability <name> default-action block-ip
set vsys <name> threats vulnerability <name> default-action block-ip track-by <source|source-
and-destination>
set vsys <name> threats vulnerability <name> default-action block-ip duration <1-3600>
set vsys <name> threats vulnerability <name> default-action allow
set vsys <name> threats vulnerability <name> cve [ <cve1> <cve2>... ]
```

```

set vsys <name> threats vulnerability <name> bugtraq [ <bugtraq1> <bugtraq2>... ]
set vsys <name> threats vulnerability <name> vendor [ <vendor1> <vendor2>... ]
set vsys <name> threats vulnerability <name> reference [ <reference1> <reference2>... ]
set vsys <name> threats vulnerability <name> signature
set vsys <name> threats vulnerability <name> signature standard
set vsys <name> threats vulnerability <name> signature standard <name>
set vsys <name> threats vulnerability <name> signature standard <name> comment <value>
set vsys <name> threats vulnerability <name> signature standard <name> scope <protocol-data-unit|session>
set vsys <name> threats vulnerability <name> signature standard <name> order-free <yes|no>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than context <value>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than value <0-4294967295>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier <name>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator less-than qualifier <name> value <1-127>|<value>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to context <value>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to value <0-4294967295>
set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name> or-condition <name> operator equal-to qualifier

```


set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator equal-to qualifier <name>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator equal-to qualifier <name> value <1-127>|<value>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator greater-than

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator greater-than context <value>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator greater-than value <0-4294967295>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator greater-than qualifier

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator greater-than qualifier <name>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator greater-than qualifier <name> value <1-127>|<value>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator pattern-match

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator pattern-match context <value>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator pattern-match pattern <value>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator pattern-match negate <yes|no>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator pattern-match qualifier

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator pattern-match qualifier <name>

set vsys <name> threats vulnerability <name> signature standard <name> and-condition <name>
or-condition <name> operator pattern-match qualifier <name> value <1-127>|<value>

set vsys <name> threats vulnerability <name> signature combination

set vsys <name> threats vulnerability <name> signature combination time-attribute

set vsys <name> threats vulnerability <name> signature combination time-attribute interval
<1-3600>

set vsys <name> threats vulnerability <name> signature combination time-attribute threshold
<1-255>

set vsys <name> threats vulnerability <name> signature combination time-attribute track-by
<source|destination|source-and-destination>

set vsys <name> threats vulnerability <name> signature combination order-free <yes|no>

```

set vsys <name> threats vulnerability <name> signature combination and-condition
set vsys <name> threats vulnerability <name> signature combination and-condition <name>
set vsys <name> threats vulnerability <name> signature combination and-condition <name> or-
condition
set vsys <name> threats vulnerability <name> signature combination and-condition <name> or-
condition <name>
set vsys <name> threats vulnerability <name> signature combination and-condition <name> or-
condition <name> threat-id <value>
set vsys <name> threats spyware
set vsys <name> threats spyware <name>
set vsys <name> threats spyware <name> threatname <value>
set vsys <name> threats spyware <name> comment <value>
set vsys <name> threats spyware <name> severity <value>
set vsys <name> threats spyware <name> direction <value>
set vsys <name> threats spyware <name> default-action
set vsys <name> threats spyware <name> default-action alert
set vsys <name> threats spyware <name> default-action drop
set vsys <name> threats spyware <name> default-action reset-client
set vsys <name> threats spyware <name> default-action reset-server
set vsys <name> threats spyware <name> default-action reset-both
set vsys <name> threats spyware <name> default-action block-ip
set vsys <name> threats spyware <name> default-action block-ip track-by <source|source-and-
destination>
set vsys <name> threats spyware <name> default-action block-ip duration <1-3600>
set vsys <name> threats spyware <name> default-action allow
set vsys <name> threats spyware <name> cve [ <cve1> <cve2>... ]
set vsys <name> threats spyware <name> bugtraq [ <bugtraq1> <bugtraq2>... ]
set vsys <name> threats spyware <name> vendor [ <vendor1> <vendor2>... ]
set vsys <name> threats spyware <name> reference [ <reference1> <reference2>... ]
set vsys <name> threats spyware <name> signature
set vsys <name> threats spyware <name> signature standard
set vsys <name> threats spyware <name> signature standard <name>
set vsys <name> threats spyware <name> signature standard <name> comment <value>
set vsys <name> threats spyware <name> signature standard <name> scope <protocol-data-unit|
session>

```

```

set vsys <name> threats spyware <name> signature standard <name> order-free <yes|no>
set vsys <name> threats spyware <name> signature standard <name> and-condition
set vsys <name> threats spyware <name> signature standard <name> and-condition <name>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than value <0-4294967295>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than context <value>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than qualifier
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than qualifier <name>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator less-than qualifier <name> value <1-127>|<value>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to value <0-4294967295>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to context <value>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to qualifier
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to qualifier <name>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator equal-to qualifier <name> value <1-127>|<value>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator greater-than
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator greater-than value <0-4294967295>
set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator greater-than context <value>

```

```

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator greater-than qualifier

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator greater-than qualifier <name>

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator greater-than qualifier <name> value <1-127>|<value>

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match context <value>

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match pattern <value>

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match negate <yes|no>

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match qualifier

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match qualifier <name>

set vsys <name> threats spyware <name> signature standard <name> and-condition <name> or-
condition <name> operator pattern-match qualifier <name> value <1-127>|<value>

set vsys <name> threats spyware <name> signature combination

set vsys <name> threats spyware <name> signature combination time-attribute

set vsys <name> threats spyware <name> signature combination time-attribute interval <1-3600>

set vsys <name> threats spyware <name> signature combination time-attribute threshold
<1-255>

set vsys <name> threats spyware <name> signature combination time-attribute track-by <source|
destination|source-and-destination>

set vsys <name> threats spyware <name> signature combination order-free <yes|no>

set vsys <name> threats spyware <name> signature combination and-condition

set vsys <name> threats spyware <name> signature combination and-condition <name>

set vsys <name> threats spyware <name> signature combination and-condition <name> or-
condition

set vsys <name> threats spyware <name> signature combination and-condition <name> or-
condition <name>

set vsys <name> threats spyware <name> signature combination and-condition <name> or-
condition <name> threat-id <value>

set vsys <name> application

set vsys <name> application <name>

```

```
set vsys <name> application <name> default
set vsys <name> application <name> default port [ <port1> <port2>... ]
set vsys <name> application <name> default ident-by-ip-protocol <0-255,...>
set vsys <name> application <name> default ident-by-icmp-type
set vsys <name> application <name> default ident-by-icmp-type type <0-255,...>
set vsys <name> application <name> default ident-by-icmp-type code <0-255,...>
set vsys <name> application <name> default ident-by-icmp6-type
set vsys <name> application <name> default ident-by-icmp6-type type <0-255,...>
set vsys <name> application <name> default ident-by-icmp6-type code <0-255,...>
set vsys <name> application <name> category <value>
set vsys <name> application <name> subcategory <value>
set vsys <name> application <name> technology <value>
set vsys <name> application <name> description <value>
set vsys <name> application <name> timeout <0-604800>
set vsys <name> application <name> tcp-timeout <0-604800>
set vsys <name> application <name> udp-timeout <0-604800>
set vsys <name> application <name> tcp-half-closed-timeout <1-604800>
set vsys <name> application <name> tcp-time-wait-timeout <1-600>
set vsys <name> application <name> risk <1-5>
set vsys <name> application <name> evasive-behavior <yes|no>
set vsys <name> application <name> consume-big-bandwidth <yes|no>
set vsys <name> application <name> used-by-malware <yes|no>
set vsys <name> application <name> able-to-transfer-file <yes|no>
set vsys <name> application <name> has-known-vulnerability <yes|no>
set vsys <name> application <name> tunnel-other-application <yes|no>
set vsys <name> application <name> tunnel-applications <yes|no>
set vsys <name> application <name> prone-to-misuse <yes|no>
set vsys <name> application <name> pervasive-use <yes|no>
set vsys <name> application <name> file-type-ident <yes|no>
set vsys <name> application <name> virus-ident <yes|no>
set vsys <name> application <name> data-ident <yes|no>
set vsys <name> application <name> no-appid-caching <yes|no>
set vsys <name> application <name> alg-disable-capability <value>
```

```
set vsys <name> application <name> parent-app <value>
set vsys <name> application <name> signature
set vsys <name> application <name> signature <name>
set vsys <name> application <name> signature <name> comment <value>
set vsys <name> application <name> signature <name> scope <protocol-data-unit|session>
set vsys <name> application <name> signature <name> order-free <yes|no>
set vsys <name> application <name> signature <name> and-condition
set vsys <name> application <name> signature <name> and-condition <name>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator pattern-match
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator pattern-match context <value>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator pattern-match pattern <value>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator pattern-match qualifier
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator pattern-match qualifier <name>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator pattern-match qualifier <name> value <1-127>|<value>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator greater-than
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator greater-than context <value>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator greater-than value <0-4294967295>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator greater-than qualifier
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator greater-than qualifier <name>
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator greater-than qualifier <name> value <1-127>|<value>
```

```
set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator less-than

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator less-than context <value>

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator less-than value <0-4294967295>

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator less-than qualifier

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator less-than qualifier <name>

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator less-than qualifier <name> value <1-127>|<value>

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator equal-to

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator equal-to context <value>|<unknown-req-tcp|unknown-rsp-tcp|unknown-req-
udp|unknown-rsp-udp>

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator equal-to position <value>

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator equal-to mask <value>

set vsys <name> application <name> signature <name> and-condition <name> or-condition
<name> operator equal-to value <value>

set vsys <name> application-tag

set vsys <name> application-tag <name>

set vsys <name> application-tag <name> tag [ <tag1> <tag2>... ]

set vsys <name> application-filter

set vsys <name> application-filter <name>

set vsys <name> application-filter <name> category [ <category1> <category2>... ]

set vsys <name> application-filter <name> subcategory [ <subcategory1> <subcategory2>... ]

set vsys <name> application-filter <name> technology [ <technology1> <technology2>... ]

set vsys <name> application-filter <name> evasive <yes>

set vsys <name> application-filter <name> excessive-bandwidth-use <yes>

set vsys <name> application-filter <name> used-by-malware <yes>

set vsys <name> application-filter <name> transfers-files <yes>

set vsys <name> application-filter <name> has-known-vulnerabilities <yes>

set vsys <name> application-filter <name> tunnels-other-apps <yes>
```

```
set vsys <name> application-filter <name> prone-to-misuse <yes>
set vsys <name> application-filter <name> pervasive <yes>
set vsys <name> application-filter <name> is-saas <yes>
set vsys <name> application-filter <name> new-appid <yes>
set vsys <name> application-filter <name> risk [ <risk1> <risk2>... ]
set vsys <name> application-filter <name> saas-certifications [ <saas-certifications1> <saas-certifications2>... ]
set vsys <name> application-filter <name> saas-risk [ <saas-risk1> <saas-risk2>... ]
set vsys <name> application-filter <name> tagging
set vsys <name> application-filter <name> tagging no-tag <yes>
set vsys <name> application-filter <name> tagging tag [ <tag1> <tag2>... ]
set vsys <name> application-filter <name> exclude [ <exclude1> <exclude2>... ]
set vsys <name> application-group
set vsys <name> application-group <name>
set vsys <name> application-group <name> members [ <members1> <members2>... ]
set vsys <name> device-object
set vsys <name> device-object <name>
set vsys <name> device-object <name> description <value>
set vsys <name> device-object <name> category [ <category1> <category2>... ]
set vsys <name> device-object <name> profile [ <profile1> <profile2>... ]
set vsys <name> device-object <name> osfamily [ <osfamily1> <osfamily2>... ]
set vsys <name> device-object <name> os [ <os1> <os2>... ]
set vsys <name> device-object <name> model [ <model1> <model2>... ]
set vsys <name> device-object <name> vendor [ <vendor1> <vendor2>... ]
set vsys <name> region
set vsys <name> region <name>
set vsys <name> region <name> geo-location
set vsys <name> region <name> geo-location latitude <float>
set vsys <name> region <name> geo-location longitude <float>
set vsys <name> region <name> address [ <address1> <address2>... ]
set vsys <name> tag
set vsys <name> tag <name>
set vsys <name> tag <name> color <color1|color2|color3|color4|color5|color6|color7|color8|
color9|color10|color11|color12|color13|color14|color15|color16|color17|color19|color20|color21|
```



```
color22|color23|color24|color25|color26|color27|color28|color29|color30|color31|color32|
color33|color34|color35|color36|color37|color38|color39|color40|color41|color42>

set vsys <name> tag <name> comments <value>

set vsys <name> authentication-object

set vsys <name> authentication-object <name>

set vsys <name> authentication-object <name> authentication-method <web-form|no-captive-
portal|browser-challenge>

set vsys <name> authentication-object <name> authentication-profile <value>

set vsys <name> authentication-object <name> message <value>

set vsys <name> rulebase

set vsys <name> rulebase security

set vsys <name> rulebase security rules

set vsys <name> rulebase security rules <name>

set vsys <name> rulebase security rules <name> from [ <from1> <from2>... ]

set vsys <name> rulebase security rules <name> to [ <to1> <to2>... ]

set vsys <name> rulebase security rules <name> source [ <source1> <source2>... ]

set vsys <name> rulebase security rules <name> source-user [ <source-user1> <source-user2>... ]

set vsys <name> rulebase security rules <name> destination [ <destination1> <destination2>... ]

set vsys <name> rulebase security rules <name> service [ <service1> <service2>... ]

set vsys <name> rulebase security rules <name> category [ <category1> <category2>... ]

set vsys <name> rulebase security rules <name> application [ <application1> <application2>... ]

set vsys <name> rulebase security rules <name> source-hip [ <source-hip1> <source-hip2>... ]

set vsys <name> rulebase security rules <name> destination-hip [ <destination-hip1>
<destination-hip2>... ]

set vsys <name> rulebase security rules <name> schedule <value>

set vsys <name> rulebase security rules <name> tag [ <tag1> <tag2>... ]

set vsys <name> rulebase security rules <name> negate-source <yes|no>

set vsys <name> rulebase security rules <name> negate-destination <yes|no>

set vsys <name> rulebase security rules <name> disabled <yes|no>

set vsys <name> rulebase security rules <name> description <value>

set vsys <name> rulebase security rules <name> group-tag <value>

set vsys <name> rulebase security rules <name> hip-profiles [ <hip-profiles1> <hip-profiles2>... ]

set vsys <name> rulebase security rules <name> action <deny|allow|drop|reset-client|reset-server|
reset-both>

set vsys <name> rulebase security rules <name> icmp-unreachable <yes|no>
```

```
set vsys <name> rulebase security rules <name> rule-type <universal|intrazone|interzone>
set vsys <name> rulebase security rules <name> option
set vsys <name> rulebase security rules <name> option disable-server-response-inspection <yes|no>
set vsys <name> rulebase security rules <name> log-setting <value>
set vsys <name> rulebase security rules <name> log-start <yes|no>
set vsys <name> rulebase security rules <name> log-end <yes|no>
set vsys <name> rulebase security rules <name> profile-setting
set vsys <name> rulebase security rules <name> profile-setting profiles
set vsys <name> rulebase security rules <name> profile-setting profiles url-filtering [ <url-filtering1> <url-filtering2>... ]
set vsys <name> rulebase security rules <name> profile-setting profiles data-filtering [ <data-filtering1> <data-filtering2>... ]
set vsys <name> rulebase security rules <name> profile-setting profiles file-blocking [ <file-blocking1> <file-blocking2>... ]
set vsys <name> rulebase security rules <name> profile-setting profiles wildfire-analysis [ <wildfire-analysis1> <wildfire-analysis2>... ]
set vsys <name> rulebase security rules <name> profile-setting profiles virus [ <virus1> <virus2>... ]
set vsys <name> rulebase security rules <name> profile-setting profiles spyware [ <spyware1> <spyware2>... ]
set vsys <name> rulebase security rules <name> profile-setting profiles vulnerability [ <vulnerability1> <vulnerability2>... ]
set vsys <name> rulebase security rules <name> profile-setting group [ <group1> <group2>... ]
set vsys <name> rulebase security rules <name> qos
set vsys <name> rulebase security rules <name> qos marking
set vsys <name> rulebase security rules <name> qos marking ip-dscp <value>|<ef|af11|af12|af13|af21|af22|af23|af31|af32|af33|af41|af42|af43|cs0|cs1|cs2|cs3|cs4|cs5|cs6|cs7>
set vsys <name> rulebase security rules <name> qos marking ip-precedence <value>|<cs0|cs1|cs2|cs3|cs4|cs5|cs6|cs7>
set vsys <name> rulebase security rules <name> qos marking follow-c2s-flow
set vsys <name> rulebase default-security-rules
set vsys <name> rulebase default-security-rules rules
set vsys <name> rulebase default-security-rules rules <name>
set vsys <name> rulebase default-security-rules rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase default-security-rules rules <name> log-setting <value>
set vsys <name> rulebase default-security-rules rules <name> log-start <yes|no>
```

```
set vsys <name> rulebase default-security-rules rules <name> log-end <yes|no>
set vsys <name> rulebase default-security-rules rules <name> profile-setting
set vsys <name> rulebase default-security-rules rules <name> profile-setting profiles
set vsys <name> rulebase default-security-rules rules <name> profile-setting profiles url-filtering
[ <url-filtering1> <url-filtering2>... ]
set vsys <name> rulebase default-security-rules rules <name> profile-setting profiles data-filtering
[ <data-filtering1> <data-filtering2>... ]
set vsys <name> rulebase default-security-rules rules <name> profile-setting profiles file-blocking
[ <file-blocking1> <file-blocking2>... ]
set vsys <name> rulebase default-security-rules rules <name> profile-setting profiles wildfire-
analysis [ <wildfire-analysis1> <wildfire-analysis2>... ]
set vsys <name> rulebase default-security-rules rules <name> profile-setting profiles virus
[ <virus1> <virus2>... ]
set vsys <name> rulebase default-security-rules rules <name> profile-setting profiles spyware
[ <spyware1> <spyware2>... ]
set vsys <name> rulebase default-security-rules rules <name> profile-setting profiles vulnerability
[ <vulnerability1> <vulnerability2>... ]
set vsys <name> rulebase default-security-rules rules <name> profile-setting group [ <group1>
<group2>... ]
set vsys <name> rulebase default-security-rules rules <name> group-tag <value>
set vsys <name> rulebase default-security-rules rules <name> action <deny|allow|drop|reset-
client|reset-server|reset-both>
set vsys <name> rulebase default-security-rules rules <name> icmp-unreachable <yes|no>
set vsys <name> rulebase application-override
set vsys <name> rulebase application-override rules
set vsys <name> rulebase application-override rules <name>
set vsys <name> rulebase application-override rules <name> from [ <from1> <from2>... ]
set vsys <name> rulebase application-override rules <name> to [ <to1> <to2>... ]
set vsys <name> rulebase application-override rules <name> source [ <source1> <source2>... ]
set vsys <name> rulebase application-override rules <name> source-user [ <source-user1>
<source-user2>... ]
set vsys <name> rulebase application-override rules <name> destination [ <destination1>
<destination2>... ]
set vsys <name> rulebase application-override rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase application-override rules <name> negate-source <yes|no>
set vsys <name> rulebase application-override rules <name> negate-destination <yes|no>
set vsys <name> rulebase application-override rules <name> disabled <yes|no>
```

```
set vsys <name> rulebase application-override rules <name> description <value>
set vsys <name> rulebase application-override rules <name> group-tag <value>
set vsys <name> rulebase application-override rules <name> protocol <tcp|udp>
set vsys <name> rulebase application-override rules <name> port <0-65535,...>
set vsys <name> rulebase application-override rules <name> application <value>
set vsys <name> rulebase decryption
set vsys <name> rulebase decryption rules
set vsys <name> rulebase decryption rules <name>
set vsys <name> rulebase decryption rules <name> from [ <from1> <from2>... ]
set vsys <name> rulebase decryption rules <name> to [ <to1> <to2>... ]
set vsys <name> rulebase decryption rules <name> source [ <source1> <source2>... ]
set vsys <name> rulebase decryption rules <name> source-user [ <source-user1> <source-user2>... ]
set vsys <name> rulebase decryption rules <name> destination [ <destination1> <destination2>... ]
set vsys <name> rulebase decryption rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase decryption rules <name> negate-source <yes|no>
set vsys <name> rulebase decryption rules <name> negate-destination <yes|no>
set vsys <name> rulebase decryption rules <name> disabled <yes|no>
set vsys <name> rulebase decryption rules <name> description <value>
set vsys <name> rulebase decryption rules <name> group-tag <value>
set vsys <name> rulebase decryption rules <name> source-hip [ <source-hip1> <source-hip2>... ]
set vsys <name> rulebase decryption rules <name> destination-hip [ <destination-hip1> <destination-hip2>... ]
set vsys <name> rulebase decryption rules <name> service [ <service1> <service2>... ]
set vsys <name> rulebase decryption rules <name> category [ <category1> <category2>... ]
set vsys <name> rulebase decryption rules <name> action <no-decrypt|decrypt>
set vsys <name> rulebase decryption rules <name> type
set vsys <name> rulebase decryption rules <name> type ssl-forward-proxy
set vsys <name> rulebase decryption rules <name> type ssh-proxy
set vsys <name> rulebase decryption rules <name> type ssl-inbound-inspection <value>
set vsys <name> rulebase decryption rules <name> profile <value>
set vsys <name> rulebase decryption rules <name> log-success <yes|no>
set vsys <name> rulebase decryption rules <name> log-fail <yes|no>
```

```
set vsys <name> rulebase decryption rules <name> log-setting <value>
set vsys <name> rulebase authentication
set vsys <name> rulebase authentication rules
set vsys <name> rulebase authentication rules <name>
set vsys <name> rulebase authentication rules <name> from [ <from1> <from2>... ]
set vsys <name> rulebase authentication rules <name> to [ <to1> <to2>... ]
set vsys <name> rulebase authentication rules <name> source [ <source1> <source2>... ]
set vsys <name> rulebase authentication rules <name> source-user [ <source-user1> <source-user2>... ]
set vsys <name> rulebase authentication rules <name> destination [ <destination1> <destination2>... ]
set vsys <name> rulebase authentication rules <name> source-hip [ <source-hip1> <source-hip2>... ]
set vsys <name> rulebase authentication rules <name> destination-hip [ <destination-hip1> <destination-hip2>... ]
set vsys <name> rulebase authentication rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase authentication rules <name> negate-source <yes|no>
set vsys <name> rulebase authentication rules <name> negate-destination <yes|no>
set vsys <name> rulebase authentication rules <name> disabled <yes|no>
set vsys <name> rulebase authentication rules <name> description <value>
set vsys <name> rulebase authentication rules <name> group-tag <value>
set vsys <name> rulebase authentication rules <name> service [ <service1> <service2>... ]
set vsys <name> rulebase authentication rules <name> category [ <category1> <category2>... ]
set vsys <name> rulebase authentication rules <name> hip-profiles [ <hip-profiles1> <hip-profiles2>... ]
set vsys <name> rulebase authentication rules <name> authentication-enforcement <value>
set vsys <name> rulebase authentication rules <name> log-setting <value>
set vsys <name> rulebase authentication rules <name> timeout <1-1440>
set vsys <name> rulebase authentication rules <name> log-authentication-timeout <yes|no>
set vsys <name> rulebase tunnel-inspect
set vsys <name> rulebase tunnel-inspect rules
set vsys <name> rulebase tunnel-inspect rules <name>
set vsys <name> rulebase tunnel-inspect rules <name> from [ <from1> <from2>... ]
set vsys <name> rulebase tunnel-inspect rules <name> to [ <to1> <to2>... ]
set vsys <name> rulebase tunnel-inspect rules <name> source [ <source1> <source2>... ]
```

```

set vsys <name> rulebase tunnel-inspect rules <name> source-user [ <source-user1> <source-user2>... ]

set vsys <name> rulebase tunnel-inspect rules <name> destination [ <destination1> <destination2>... ]

set vsys <name> rulebase tunnel-inspect rules <name> tag [ <tag1> <tag2>... ]

set vsys <name> rulebase tunnel-inspect rules <name> negate-source <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> negate-destination <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> disabled <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> description <value>

set vsys <name> rulebase tunnel-inspect rules <name> group-tag <value>

set vsys <name> rulebase tunnel-inspect rules <name> application [ <application1> <application2>... ]

set vsys <name> rulebase tunnel-inspect rules <name> tunnel-id

set vsys <name> rulebase tunnel-inspect rules <name> tunnel-id vni

set vsys <name> rulebase tunnel-inspect rules <name> tunnel-id vni <name>

set vsys <name> rulebase tunnel-inspect rules <name> tunnel-id vni <name> id <0-16777215,...>

set vsys <name> rulebase tunnel-inspect rules <name> inspect-options

set vsys <name> rulebase tunnel-inspect rules <name> inspect-options max-level-inspection <1|2>

set vsys <name> rulebase tunnel-inspect rules <name> inspect-options drop-over-max <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> inspect-options drop-unknown-protocol <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> inspect-options drop-strict-checking <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> inspect-options return-vxlan-to-source <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> zone-assign

set vsys <name> rulebase tunnel-inspect rules <name> zone-assign source [ <source1> <source2>... ]

set vsys <name> rulebase tunnel-inspect rules <name> zone-assign destination [ <destination1> <destination2>... ]

set vsys <name> rulebase tunnel-inspect rules <name> monitor-options

set vsys <name> rulebase tunnel-inspect rules <name> monitor-options monitor-name <value>

set vsys <name> rulebase tunnel-inspect rules <name> monitor-options monitor-id <1-16777215>

set vsys <name> rulebase tunnel-inspect rules <name> monitor-options log-setting-override

```

```

set vsys <name> rulebase tunnel-inspect rules <name> monitor-options log-setting-override
enable <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> monitor-options log-setting-override log-
setting <value>

set vsys <name> rulebase tunnel-inspect rules <name> monitor-options log-setting-override log-
start <yes|no>

set vsys <name> rulebase tunnel-inspect rules <name> monitor-options log-setting-override log-
end <yes|no>

set vsys <name> rulebase nat

set vsys <name> rulebase nat rules

set vsys <name> rulebase nat rules <name>

set vsys <name> rulebase nat rules <name> from [ <from1> <from2>... ]

set vsys <name> rulebase nat rules <name> to [ <to1> <to2>... ]

set vsys <name> rulebase nat rules <name> source [ <source1> <source2>... ]

set vsys <name> rulebase nat rules <name> destination [ <destination1> <destination2>... ]

set vsys <name> rulebase nat rules <name> service <value>

set vsys <name> rulebase nat rules <name> nat-type <ipv4|nat64|nptv6>

set vsys <name> rulebase nat rules <name> to-interface <value>|<any>

set vsys <name> rulebase nat rules <name> source-translation

set vsys <name> rulebase nat rules <name> source-translation

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port translated-
address [ <translated-address1> <translated-address2>... ]

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port interface-
address

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port interface-
address interface <value>

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port interface-
address

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port interface-
address ip <value>

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip-and-port interface-
address floating-ip <value>

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip translated-address
[ <translated-address1> <translated-address2>... ]

```

```

set vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback
set vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback
set vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback translated-
address [ <translated-address1> <translated-address2>... ]
set vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback interface-
address
set vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback interface-
address interface <value>
set vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback interface-
address
set vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback interface-
address ip <value>
set vsys <name> rulebase nat rules <name> source-translation dynamic-ip fallback interface-
address floating-ip <value>
set vsys <name> rulebase nat rules <name> source-translation static-ip
set vsys <name> rulebase nat rules <name> source-translation static-ip translated-address
<value>|<ip/netmask>|<ip-range>
set vsys <name> rulebase nat rules <name> source-translation static-ip bi-directional <yes|no>
set vsys <name> rulebase nat rules <name>
set vsys <name> rulebase nat rules <name> destination-translation
set vsys <name> rulebase nat rules <name> destination-translation translated-address <value>|
<ip/netmask>|<ip-range>
set vsys <name> rulebase nat rules <name> destination-translation translated-port <1-65535>
set vsys <name> rulebase nat rules <name> destination-translation
set vsys <name> rulebase nat rules <name> destination-translation dns-rewrite
set vsys <name> rulebase nat rules <name> destination-translation dns-rewrite direction
<reverse|forward>
set vsys <name> rulebase nat rules <name> dynamic-destination-translation
set vsys <name> rulebase nat rules <name> dynamic-destination-translation translated-address
<value>|<ip/netmask>|<ip-range>
set vsys <name> rulebase nat rules <name> dynamic-destination-translation translated-port
<1-65535>
set vsys <name> rulebase nat rules <name> dynamic-destination-translation distribution <round-
robin|source-ip-hash|ip-modulo|ip-hash|least-sessions>
set vsys <name> rulebase nat rules <name> active-active-device-binding <primary|both|0|1>
set vsys <name> rulebase nat rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase nat rules <name> disabled <yes|no>

```



```
set vsys <name> rulebase nat rules <name> description <value>
set vsys <name> rulebase nat rules <name> group-tag <value>
set vsys <name> rulebase qos
set vsys <name> rulebase qos rules
set vsys <name> rulebase qos rules <name>
set vsys <name> rulebase qos rules <name> from [ <from1> <from2>... ]
set vsys <name> rulebase qos rules <name> to [ <to1> <to2>... ]
set vsys <name> rulebase qos rules <name> source [ <source1> <source2>... ]
set vsys <name> rulebase qos rules <name> source-user [ <source-user1> <source-user2>... ]
set vsys <name> rulebase qos rules <name> destination [ <destination1> <destination2>... ]
set vsys <name> rulebase qos rules <name> service [ <service1> <service2>... ]
set vsys <name> rulebase qos rules <name> category [ <category1> <category2>... ]
set vsys <name> rulebase qos rules <name> application [ <application1> <application2>... ]
set vsys <name> rulebase qos rules <name> source-hip [ <source-hip1> <source-hip2>... ]
set vsys <name> rulebase qos rules <name> destination-hip [ <destination-hip1> <destination-hip2>... ]
set vsys <name> rulebase qos rules <name> schedule <value>
set vsys <name> rulebase qos rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase qos rules <name> negate-source <yes|no>
set vsys <name> rulebase qos rules <name> negate-destination <yes|no>
set vsys <name> rulebase qos rules <name> disabled <yes|no>
set vsys <name> rulebase qos rules <name> description <value>
set vsys <name> rulebase qos rules <name> group-tag <value>
set vsys <name> rulebase qos rules <name> dscp-tos
set vsys <name> rulebase qos rules <name> dscp-tos any
set vsys <name> rulebase qos rules <name> dscp-tos codepoints
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name>
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name>
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> ef
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> ef codepoint <ef>
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> af
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> af codepoint <af11|af12|af13|af21|af22|af23|af31|af32|af33|af41|af42|af43>
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> cs
```

```

set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> cs codepoint <cs0|cs1|
cs2|cs3|cs4|cs5|cs6|cs7>
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> tos
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> tos codepoint <cs0|cs1|
cs2|cs3|cs4|cs5|cs6|cs7>
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> custom
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> custom codepoint
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> custom codepoint name
<value>
set vsys <name> rulebase qos rules <name> dscp-tos codepoints <name> custom codepoint value
<value>
set vsys <name> rulebase qos rules <name> action
set vsys <name> rulebase qos rules <name> action class <1|2|3|4|5|6|7|8>
set vsys <name> rulebase pbf
set vsys <name> rulebase pbf rules
set vsys <name> rulebase pbf rules <name>
set vsys <name> rulebase pbf rules <name> from
set vsys <name> rulebase pbf rules <name> from
set vsys <name> rulebase pbf rules <name> from zone [ <zone1> <zone2>... ]
set vsys <name> rulebase pbf rules <name> from interface [ <interface1> <interface2>... ]
set vsys <name> rulebase pbf rules <name> source [ <source1> <source2>... ]
set vsys <name> rulebase pbf rules <name> source-user [ <source-user1> <source-user2>... ]
set vsys <name> rulebase pbf rules <name> destination [ <destination1> <destination2>... ]
set vsys <name> rulebase pbf rules <name> service [ <service1> <service2>... ]
set vsys <name> rulebase pbf rules <name> schedule <value>
set vsys <name> rulebase pbf rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase pbf rules <name> negate-source <yes|no>
set vsys <name> rulebase pbf rules <name> negate-destination <yes|no>
set vsys <name> rulebase pbf rules <name> disabled <yes|no>
set vsys <name> rulebase pbf rules <name> description <value>
set vsys <name> rulebase pbf rules <name> group-tag <value>
set vsys <name> rulebase pbf rules <name> application [ <application1> <application2>... ]
set vsys <name> rulebase pbf rules <name> action
set vsys <name> rulebase pbf rules <name> action
set vsys <name> rulebase pbf rules <name> action forward

```

```

set vsys <name> rulebase pbf rules <name> action forward egress-interface <value>
set vsys <name> rulebase pbf rules <name> action forward nexthop
set vsys <name> rulebase pbf rules <name> action forward nexthop
set vsys <name> rulebase pbf rules <name> action forward nexthop ip-address <value>|<ip/
netmask>
set vsys <name> rulebase pbf rules <name> action forward nexthop fqdn <value>
set vsys <name> rulebase pbf rules <name> action forward monitor
set vsys <name> rulebase pbf rules <name> action forward monitor profile <value>
set vsys <name> rulebase pbf rules <name> action forward monitor disable-if-unreachable <yes|
no>
set vsys <name> rulebase pbf rules <name> action forward monitor ip-address <ip/netmask>
set vsys <name> rulebase pbf rules <name> action forward-to-vsys <value>
set vsys <name> rulebase pbf rules <name> action discard
set vsys <name> rulebase pbf rules <name> action no-pbf
set vsys <name> rulebase pbf rules <name> enforce-symmetric-return
set vsys <name> rulebase pbf rules <name> enforce-symmetric-return enabled <yes|no>
set vsys <name> rulebase pbf rules <name> enforce-symmetric-return nexthop-address-list
set vsys <name> rulebase pbf rules <name> enforce-symmetric-return nexthop-address-list
<name>
set vsys <name> rulebase pbf rules <name> active-active-device-binding <both|0|1>
set vsys <name> rulebase sdwan
set vsys <name> rulebase sdwan rules
set vsys <name> rulebase sdwan rules <name>
set vsys <name> rulebase sdwan rules <name> from [ <from1> <from2>... ]
set vsys <name> rulebase sdwan rules <name> to [ <to1> <to2>... ]
set vsys <name> rulebase sdwan rules <name> source [ <source1> <source2>... ]
set vsys <name> rulebase sdwan rules <name> source-user [ <source-user1> <source-user2>... ]
set vsys <name> rulebase sdwan rules <name> destination [ <destination1> <destination2>... ]
set vsys <name> rulebase sdwan rules <name> application [ <application1> <application2>... ]
set vsys <name> rulebase sdwan rules <name> service [ <service1> <service2>... ]
set vsys <name> rulebase sdwan rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase sdwan rules <name> negate-source <yes|no>
set vsys <name> rulebase sdwan rules <name> negate-destination <yes|no>
set vsys <name> rulebase sdwan rules <name> disabled <yes|no>

```

```
set vsys <name> rulebase sdwan rules <name> description <value>
set vsys <name> rulebase sdwan rules <name> group-tag <value>
set vsys <name> rulebase sdwan rules <name> path-quality-profile <value>
set vsys <name> rulebase sdwan rules <name> saas-quality-profile <value>
set vsys <name> rulebase sdwan rules <name> error-correction-profile <value>
set vsys <name> rulebase sdwan rules <name> action
set vsys <name> rulebase sdwan rules <name> action traffic-distribution-profile <value>
set vsys <name> rulebase sdwan rules <name> action app-failover-for-nat-sessions <keep-existing-link|failover-to-better-path>
set vsys <name> rulebase dos
set vsys <name> rulebase dos rules
set vsys <name> rulebase dos rules <name>
set vsys <name> rulebase dos rules <name> from
set vsys <name> rulebase dos rules <name> from
set vsys <name> rulebase dos rules <name> from zone [ <zone1> <zone2>... ]
set vsys <name> rulebase dos rules <name> from interface [ <interface1> <interface2>... ]
set vsys <name> rulebase dos rules <name> to
set vsys <name> rulebase dos rules <name> to
set vsys <name> rulebase dos rules <name> to zone [ <zone1> <zone2>... ]
set vsys <name> rulebase dos rules <name> to interface [ <interface1> <interface2>... ]
set vsys <name> rulebase dos rules <name> source [ <source1> <source2>... ]
set vsys <name> rulebase dos rules <name> source-user [ <source-user1> <source-user2>... ]
set vsys <name> rulebase dos rules <name> destination [ <destination1> <destination2>... ]
set vsys <name> rulebase dos rules <name> service [ <service1> <service2>... ]
set vsys <name> rulebase dos rules <name> schedule <value>
set vsys <name> rulebase dos rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase dos rules <name> negate-source <yes|no>
set vsys <name> rulebase dos rules <name> negate-destination <yes|no>
set vsys <name> rulebase dos rules <name> disabled <yes|no>
set vsys <name> rulebase dos rules <name> description <value>
set vsys <name> rulebase dos rules <name> group-tag <value>
set vsys <name> rulebase dos rules <name> protection
set vsys <name> rulebase dos rules <name> protection aggregate
set vsys <name> rulebase dos rules <name> protection aggregate profile <value>
```

```
set vsys <name> rulebase dos rules <name> protection classified
set vsys <name> rulebase dos rules <name> protection classified profile <value>
set vsys <name> rulebase dos rules <name> protection classified classification-criteria
set vsys <name> rulebase dos rules <name> protection classified classification-criteria address
<source-ip-only|destination-ip-only|src-dest-ip-both>
set vsys <name> rulebase dos rules <name> action
set vsys <name> rulebase dos rules <name> action
set vsys <name> rulebase dos rules <name> action deny
set vsys <name> rulebase dos rules <name> action allow
set vsys <name> rulebase dos rules <name> action protect
set vsys <name> rulebase dos rules <name> log-setting <value>
set vsys <name> rulebase network-packet-broker
set vsys <name> rulebase network-packet-broker rules
set vsys <name> rulebase network-packet-broker rules <name>
set vsys <name> rulebase network-packet-broker rules <name> from [ <from1> <from2>... ]
set vsys <name> rulebase network-packet-broker rules <name> to [ <to1> <to2>... ]
set vsys <name> rulebase network-packet-broker rules <name> source [ <source1> <source2>... ]
set vsys <name> rulebase network-packet-broker rules <name> source-user [ <source-user1>
<source-user2>... ]
set vsys <name> rulebase network-packet-broker rules <name> destination [ <destination1>
<destination2>... ]
set vsys <name> rulebase network-packet-broker rules <name> application [ <application1>
<application2>... ]
set vsys <name> rulebase network-packet-broker rules <name> service [ <service1>
<service2>... ]
set vsys <name> rulebase network-packet-broker rules <name> tag [ <tag1> <tag2>... ]
set vsys <name> rulebase network-packet-broker rules <name> negate-source <yes|no>
set vsys <name> rulebase network-packet-broker rules <name> negate-destination <yes|no>
set vsys <name> rulebase network-packet-broker rules <name> disabled <yes|no>
set vsys <name> rulebase network-packet-broker rules <name> description <value>
set vsys <name> rulebase network-packet-broker rules <name> group-tag <value>
set vsys <name> rulebase network-packet-broker rules <name> source-hip [ <source-hip1>
<source-hip2>... ]
set vsys <name> rulebase network-packet-broker rules <name> destination-hip [ <destination-
hip1> <destination-hip2>... ]
set vsys <name> rulebase network-packet-broker rules <name> traffic-type
```

set vsys <name> rulebase network-packet-broker rules <name> traffic-type tls-decrypted <yes|no>

set vsys <name> rulebase network-packet-broker rules <name> traffic-type tls-encrypted <yes|no>

set vsys <name> rulebase network-packet-broker rules <name> traffic-type non-tls <yes|no>

set vsys <name> rulebase network-packet-broker rules <name> action

set vsys <name> rulebase network-packet-broker rules <name> action packet-broker-profile <value>