

## » fortios\_\_system\_\_setting\_\_global

Provides a resource to configure options related to the overall operation of FortiOS.

### » Example Usage

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_setting_global" "test1" {
    admintimeout = 65
    timezone = "04"
    hostname = "mytestFortiGate"
    admin_sport = 443
    admin_ssh_port = 22
}
```

### » Argument Reference

The following arguments are supported:

- **hostname** - (Required) FortiGate unit's hostname.
- **admintimeout** - Number of minutes before an idle administrator session time out.
- **timezone** - Number corresponding to your time zone from 00 to 86.
- **admin\_sport** - Administrative access port for HTTPS.
- **admin\_ssh\_port** - Administrative access port for SSH.

### » Attributes Reference

The following attributes are exported:

- **admintimeout** - Number of minutes before an idle administrator session time out.
- **timezone** - Number corresponding to your time zone from 00 to 86.
- **hostname** - FortiGate unit's hostname.
- **admin\_sport** - Administrative access port for HTTPS.
- **admin\_ssh\_port** - Administrative access port for SSH.

## » fortios\_\_system\_\_setting\_\_dns

Provides a resource to configure DNS of FortiOS.

### » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_setting_dns" "test1" {
  primary = "208.91.112.53"
  secondary = "208.91.112.22"
}
```

### » Argument Reference

The following arguments are supported:

- **primary** - Primary DNS server IP address.
- **secondary** - Secondary DNS server IP address.

### » Attributes Reference

The following attributes are exported:

- **primary** - Primary DNS server IP address.
- **secondary** - Secondary DNS server IP address.

## » fortios\_\_system\_\_setting\_\_ntp

Provides a resource to configure Network Time Protocol (NTP) servers of FortiOS.

### » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}
```

```
resource "fortios_system_setting_ntp" "test2" {
  type = "custom"
  ntpserver = ["1.1.1.1", "3.3.3.3"]
  ntpsync = "disable"
}
```

## » Argument Reference

The following arguments are supported:

- **type** - (Required) Use the FortiGuard NTP server or any other available NTP Server.
- **ntpserver** - Configure the FortiGate to connect to any available third-party NTP server.
- **ntpsync** - Enable/disable setting the FortiGate system time by synchronizing with an NTP Server.

## » Attributes Reference

The following attributes are exported:

- **type** - Use the FortiGuard NTP server or any other available NTP Server.
- **ntpserver** - Configure the FortiGate to connect to any available third-party NTP server.
- **ntpsync** - Enable/disable setting the FortiGate system time by synchronizing with an NTP Server.

## » fortios\_networking\_interface\_port

Provides a resource to configure interface settings of FortiOS.

## » Example Usage for Loopback Interface

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_networking_interface_port" "loopback1" {
  ip = "23.123.33.10/24"
  allowaccess = "ping http"
```

```

        alias = "cc1"
        description = "description"
        status = "up"
        role = "lan"
        name = "myinterface1"
        vdom = "root"
        type = "loopback"
        mode = "static"
    }

```

## » Example Usage for VLAN Interface

```

provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_networking_interface_port" "vlan1" {
    role = "lan"
    mode = "static"
    defaultgw = "enable"
    distance = "33"
    type = "vlan"
    vlanid = "3"
    name = "myinterface2"
    vdom = "root"
    ip = "3.123.33.10/24"
    interface = "port2"
    allowaccess = "ping"
}

```

## » Example Usage for Physical Interface

```

provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_networking_interface_port" "test1" {
    name = "port2"
    ip = "93.133.133.110/24"
    alias = "dkeeew"
    description = "description"
    status = "up"
}

```

```

device_identification = "enable"
tcp_mss = "3232"
speed = "auto"
mtu_override = "enable"
mtu = "2933"
role = "lan"
allowaccess = "ping https"
mode = "static"
dns_server_override = "enable"
defaultgw = "enable"
distance = "33"
type = "physical"
}

```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) If the interface is physical, the argument is the name of the interface.
- **type** - (Required) Interface type (support physical, vlan, loopback).
- **ip** - Interface IPv4 address and subnet mask, syntax: X.X.X.X/24.
- **alias** - Alias will be displayed with the interface name to make it easier to distinguish.
- **status** - Bring the interface up or shut the interface down.
- **device\_identification** - Enable/disable passively gathering of device identity information about the devices on the network connected to this interface.
- **tcp\_mss** - TCP maximum segment size. 0 means do not change segment size.
- **speed** - Interface speed. The default setting and the options available depend on the interface hardware.
- **mtu\_override** - Enable to set a custom MTU for this interface.
- **mtu** - MTU value for this interface.
- **role** - Interface role.
- **allowaccess** - Permitted types of management access to this interface.
- **mode** - (Required) Addressing mode.
- **dns\_server\_override** - Enable/disable use DNS acquired by DHCP or PPPoE.
- **defaultgw** - Enable to get the gateway IP from the DHCP or PPPoE server.
- **distance** - Distance for routes learned through PPPoE or DHCP, lower distance indicates preferred route.
- **description** - Description.
- **interface** - Interface name.

- **name** - Name.
- **vdom** - Interface is in this virtual domain (VDOM).
- **vlanid** - VLAN ID.

## » Attributes Reference

The following attributes are exported:

- **id** - The Name of the interface.
- **ip** - Interface IPv4 address and subnet mask, syntax' - X.X.X.X/24.
- **alias** - Alias will be displayed with the interface name to make it easier to distinguish.
- **status** - Bring the interface up or shut the interface down.
- **device\_identification** - Enable/disable passively gathering of device identity information about the devices on the network connected to this interface.
- **tcp\_mss** - TCP maximum segment size. 0 means do not change segment size.
- **speed** - Interface speed. The default setting and the options available depend on the interface hardware.
- **mtu\_override** - Enable to set a custom MTU for this interface.
- **mtu** - MTU value for this interface.
- **role** - Interface role.
- **allowaccess** - Permitted types of management access to this interface.
- **mode** - Addressing mode.
- **dns\_server\_override** - Enable/disable use DNS acquired by DHCP or PPPoE.
- **defaultgw** - Enable to get the gateway IP from the DHCP or PPPoE server.
- **distance** - Distance for routes learned through PPPoE or DHCP, lower distance indicates preferred route.
- **description** - Description.
- **type** - Interface type (support physical, vlan, loopback).
- **interface** - Interface name.
- **name** - Name.
- **vdom** - Interface is in this virtual domain (VDOM).
- **vlanid** - VLAN ID.

## » fortios\_\_networking\_\_route\_\_static

Provides a resource to configure static route of FortiOS.

## » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_networking_route_static" "test1" {
  dst = "110.2.2.122/32"
  gateway = "2.2.2.2"
  blackhole = "disable"
  distance = "22"
  weight = "3"
  priority = "3"
  device = "port2"
  comment = "Terraform test"
}
```

## » Argument Reference

The following arguments are supported:

- `dst` - (Required) Destination IP and mask for this route.
- `gateway` - (Required) Gateway IP for this route.
- `blackhole` - Enable/disable black hole.
- `distance` - Administrative distance.
- `weight` - Administrative weight.
- `priority` - Administrative priority.
- `device` - (Required) Gateway out interface or tunnel.
- `comment` - Optional comments.

## » Attributes Reference

The following attributes are exported:

- `id` - The ID of the static route item.
- `dst` - Destination IP and mask for this route.
- `gateway` - Gateway IP for this route.
- `blackhole` - Enable/disable black hole.
- `distance` - Administrative distance.
- `weight` - Administrative weight.
- `priority` - Administrative priority.
- `device` - Gateway out interface or tunnel.
- `comment` - Optional comments.

## » fortios\_\_firewall\_\_object\_\_address

Provides a resource to configure firewall addresses used in firewall policies of FortiOS.

### » Example Usage for Iprange Address

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_address" "s1" {
    name = "s1"
    type = "iprange"
    start_ip = "1.0.0.0"
    end_ip = "2.0.0.0"
    comment = "dd"
}
```

### » Example Usage for Geography Address

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_address" "s2" {
    name = "s2"
    type = "geography"
    country = "A0"
    comment = "dd"
}
```

### » Example Usage for Fqdn Address

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_address" "s3" {
    name = "s3"
}
```



```

    type = "fqdn"
    fqdn = "baid.com"
    comment = "dd"
}

```

## » Example Usage for Ipmask Address

```

provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_address" "s4" {
    name = "s4"
    type = "ipmask"
    subnet = "0.0.0.0 0.0.0.0"
    comment = "dd"
}

```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) Address name.
- **type** - (Required) Type of address(Support ipmask, iprange, fqdn and geography).
- **subnet** - IP address and subnet mask of address.
- **start\_ip** - First IP address (inclusive) in the range for the address.
- **end\_ip** - Final IP address (inclusive) in the range for the address.
- **fqdn** - Fully Qualified Domain Name address.
- **country** - IP addresses associated to a specific country.
- **comment** - Comment.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the address item.
- **name** - Address name.
- **type** - Type of address(Support ipmask, iprange, fqdn and geography).
- **subnet** - IP address and subnet mask of address.
- **start\_ip** - First IP address (inclusive) in the range for the address.
- **end\_ip** - Final IP address (inclusive) in the range for the address.
- **fqdn** - Fully Qualified Domain Name address.

- **country** - IP addresses associated to a specific country.
- **comment** - Comment.

## » **fortios\_\_firewall\_\_object\_\_addressgroup**

Provides a resource to configure firewall address group used in firewall policies of FortiOS.

### » **Example Usage**

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_addressgroup" "s1" {
  name = "s1"
  member = ["google-play", "swscan.apple.com"]
  comment = "dfdsad"
}
```

### » **Argument Reference**

The following arguments are supported:

- **name** - (Required) Address group name.
- **member** - (Required) Address objects contained within the group.
- **comment** - Comment.

### » **Attributes Reference**

The following attributes are exported:

- **id** - The ID of the firewall address group item.
- **name** - Address group name.
- **member** - Address objects contained within the group.
- **comment** - Comment.

## » **fortios\_\_firewall\_\_object\_\_ippool**

Provides a resource to configure IPv4 IP address pools of FortiOS.

## » Example Usage for Overload Ippool

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_ippool" "s1" {
    name = "ddd"
    type = "overload"
    startip = "11.0.0.0"
    endip = "22.0.0.0"
    arp_reply = "enable"
    comments = "fdsaf"
}
```

## » Example Usage for One-to-one Ippool

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_ippool" "s2" {
    name = "dd22d"
    type = "one-to-one"
    startip = "121.0.0.0"
    endip = "222.0.0.0"
    arp_reply = "enable"
    comments = "fdsaf"
}
```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) IP pool name.
- **type** - (Required) IP pool type(Support overload and one-to-one).
- **startip** - (Required) First IPv4 address (inclusive) in the range for the address pool (format xxx.xxx.xxx.xxx).
- **endip** - (Required) Final IPv4 address (inclusive) in the range for the address pool (format xxx.xxx.xxx.xxx).
- **arp\_reply** - Enable/disable replying to ARP requests when an IP Pool is added to a policy.

- `comments` - Comment.

## » Attributes Reference

The following attributes are exported:

- `id` - The ID of the IP pool item.
- `name` - IP pool name.
- `type` - IP pool type(Support overload and one-to-one).
- `startip` - First IPv4 address (inclusive) in the range for the address pool (format xxx.xxx.xxx.xxx).
- `endip` - Final IPv4 address (inclusive) in the range for the address pool (format xxx.xxx.xxx.xxx).
- `arp_reply` - Enable/disable replying to ARP requests when an IP Pool is added to a policy.
- `comments` - Comment.

## » `fortios_firewall_object_service`

Provides a resource to configure firewall service of FortiOS.

### » Example Usage for Fqdn Service

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_service" "v11" {
  name = "servicetest1"
  category = "General"
  protocol = "TCP/UDP/SCTP"
  fqdn = "abc.com"
  comment = "comment"
}
```

### » Example Usage for Iprange Service

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}
```

```

resource "fortios_firewall_object_service" "v13" {
  name = "servicetest2"
  category = "General"
  protocol = "TCP/UDP/SCTP"
  iprange = "1.1.1.1-2.2.2.2"
  tcp_portrange = "22-33"
  udp_portrange = "44-55"
  sctp_portrange = "66-88"
  comment = "comment"
}

```

## » Example Usage for ICMP Service

```

resource "fortios_firewall_object_service" "ICMP" {
  name = "ICMPService"
  category = "General"
  protocol = "ICMP"
  icmptype = "2"
  icmpcode = "3"
  protocol_number = "1"
  comment = "comment"
}

```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) Number of minutes before an idle administrator session time out.
- **category** - (Required) Service category.
- **protocol** - Protocol type based on IANA numbers.
- **fqdn** - Fully qualified domain name.
- **iprange** - Start and end of the IP range associated with service.
- **tcp\_portrange** - Multiple TCP port ranges.
- **udp\_portrange** - Multiple UDP port ranges.
- **sctp\_portrange** - Multiple SCTP port ranges.
- **icmptype** - ICMP type.
- **icmpcode** - ICMP code.
- **protocol\_number** - IP protocol number.
- **comment** - Comment.

## » Attributes Reference

The following attributes are exported:

- `id` - The ID of the firewall service item.
- `name` - Number of minutes before an idle administrator session time out.
- `category` - Service category.
- `protocol` - Protocol type based on IANA numbers.
- `fqdn` - Fully qualified domain name.
- `iprange` - Start and end of the IP range associated with service.
- `tcp_portrange` - Multiple TCP port ranges.
- `udp_portrange` - Multiple UDP port ranges.
- `sctp_portrange` - Multiple SCTP port ranges.
- `icmptype` - ICMP type.
- `icmpcode` - ICMP code.
- `protocol_number` - IP protocol number.
- `comment` - Comment.

## » fortios\_\_firewall\_\_object\_\_servicegroup

Provides a resource to configure firewall service group of FortiOS.

## » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_servicegroup" "v11" {
  name = "1fdsafd11a"
  comment = "fdsafdsa"
  member = ["DCE-RPC", "DNS", "HTTPS"]
}
```

## » Argument Reference

The following arguments are supported:

- `name` - (Required) Service group name.
- `member` - (Required) Service objects contained within the group.
- `comment` - Comment.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the firewall service group item.
- **name** - Service group name.
- **member** - Service objects contained within the group.
- **comment** - Comment.

## » fortios\_\_firewall\_\_object\_\_vip

Provides a resource to configure firewall virtual IPs (VIPs) of FortiOS.

## » Example Usage

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_vip" "v11" {
    name = "dfa"
    comment = "fdsafdsafds"
    extip = "11.1.1.1-21.1.1.1"
    mappedip = ["22.2.2.2-32.2.2.2"]
    extintf = "port3"
    portforward = "enable"
    protocol = "tcp"
    extport = "2-3"
    mappedport = "4-5"
}
```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) Virtual IP name.
- **extip** - (Required) IP address or address range on the external interface that you want to map to an address or address range on the destination network.
- **mappedip** - (Required) IP address or address range on the destination network to which the external IP address is mapped.

- **extintf** - Interface connected to the source network that receives the packets that will be forwarded to the destination network.
- **portforward** - Enable/disable port forwarding.
- **protocol** - Protocol to use when forwarding packets.
- **extport** - Incoming port number range that you want to map to a port number range on the destination network.
- **mappedport** - Port number range on the destination network to which the external port number range is mapped.
- **comment** - Comment.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the firewall virtual IPs item.
- **name** - Virtual IP name.
- **extip** - IP address or address range on the external interface that you want to map to an address or address range on the destination network.
- **mappedip** - IP address or address range on the destination network to which the external IP address is mapped.
- **extintf** - Interface connected to the source network that receives the packets that will be forwarded to the destination network.
- **portforward** - Enable/disable port forwarding.
- **protocol** - Protocol to use when forwarding packets.
- **extport** - Incoming port number range that you want to map to a port number range on the destination network.
- **mappedport** - Port number range on the destination network to which the external port number range is mapped.
- **comment** - Comment.

## » fortios\_\_firewall\_\_object\_\_vipgroup

Provides a resource to configure virtual IP groups of FortiOS.

## » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_object_vipgroup" "v11" {
  name = "1fdsafd11a"
```



```

    interface = "port3"
    comments = "comments"
    member = ["vip1", "vip3"]
}

```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) VIP group name.
- **interface** - Interface name.
- **member** - (Required) Member VIP objects of the group.
- **comments** - Comment.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the virtual IP groups item.
- **name** - VIP group name.
- **interface** - Interface name.
- **member** - Member VIP objects of the group.
- **comments** - Comment.

## » fortios\_firewall\_security\_policy

Provides a resource to configure firewall policies of FortiOS.

### » Example Usage 1

```

provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_security_policy" "test1" {
    name = "ap11"
    srcintf = ["port2"]
    dstintf = ["port1"]
    srcaddr = ["swscan.apple.com", "google-play"]
    dstaddr = ["swscan.apple.com", "update.microsoft.com"]
    internet_service = "disable"
}

```

```

internet_service_id = []
schedule = "always"
service = ["ALL_ICMP", "FTP"]
action = "accept"
utm_status = "enable"
logtraffic = "all"
logtraffic_start = "enable"
capture_packet = "enable"
ippool = "enable"
poolname = ["rewq", "rbb"]
groups = ["Guest-group", "SSO_Guest_Users"]
devices = ["android-phone", "android-tablet"]
comments = "security policy"
av_profile = "wifi-default"
webfilter_profile = "monitor-all"
dnsfilter_profile = "default"
ips_sensor = "protect_client"
application_list = "block-high-risk"
ssl_ssh_profile = "certificate-inspection"
nat = "enable"
}

```

## » Example Usage 2

```

provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_firewall_security_policy" "test2" {
  name = "ap21"
  srcintf = ["port2"]
  dstintf = ["port1"]
  srcaddr = ["swscan.apple.com", "google-play"]
  dstaddr = ["swscan.apple.com", "update.microsoft.com"]
  internet_service = "enable"
  internet_service_id = [917520, 6881402, 393219]
  schedule = "always"
  service = []
  action = "accept"
  utm_status = "enable"
  logtraffic = "all"
  logtraffic_start = "enable"
  capture_packet = "enable"
  ippool = "enable"
}

```

```

poolname = ["rewq", "rbb"]
groups = ["Guest-group", "SSO_Guest_Users"]
devices = ["android-phone", "android-tablet"]
comments = "security policy"
av_profile = "wifi-default"
webfilter_profile = "monitor-all"
dnsfilter_profile = "default"
ips_sensor = "protect_client"
application_list = "block-high-risk"
ssl_ssh_profile = "certificate-inspection"
nat = "enable"
}

```

### » Example Usage 3

```

resource "fortios_firewall_security_policy" "test1" {
  name = "ap12221"
  srcintf = ["port3"]
  dstintf = ["port4"]
  srcaddr = []
  dstaddr = []
  internet_service = "enable"
  internet_service_id = [5242880]
  internet_service_src = "enable"
  internet_service_src_id = [65643]
  users = ["guest"]
  status = "enable"
  schedule = "always"
  service = []
  action = "accept"
  utm_status = "enable"
  logtraffic = "all"
  logtraffic_start = "enable"
  capture_packet = "enable"
  ippool = "disable"
  poolname = []
  groups = ["Guest-group", "SSO_Guest_Users"]
  devices = []
  comments = "security policy"
  av_profile = "wifi-default"
  webfilter_profile = "monitor-all"
  dnsfilter_profile = "default"
  ips_sensor = "protect_client"
  application_list = "block-high-risk"
  ssl_ssh_profile = "certificate-inspection"
}

```

```

    nat = "enable"
    profile_protocol_options = "default"
}

```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) Policy name.
- **srcintf** - (Required) Incoming (ingress) interface.
- **dstintf** - (Required) Outgoing (egress) interface.
- **srcaddr** - (Required) Source address and address group names.
- **dstaddr** - (Required) Destination address and address group names.
- **internet\_service** - Enable/disable use of Internet Services for this policy. If enabled, destination address and service are not used.
- **internet\_service\_id** - Internet Service ID.
- **action** - (Required) Policy action.
- **schedule** - (Required) Schedule name.
- **service** - (Required) Service and service group names..
- **utm\_status** - Enable to add one or more security profiles (AV, IPS, etc.) to the firewall policy.
- **logtraffic** - Enable or disable logging. Log all sessions or security profile sessions.
- **logtraffic\_start** - Record logs when a session starts and ends.
- **capture\_packet** - Enable/disable capture packets.
- **ippool** - Enable to use IP Pools for source NAT.
- **poolname** - IP Pool names.
- **groups** - Names of user groups that can authenticate with this policy.
- **devices** - Device type category.
- **comments** - Comment.
- **av\_profile** - Name of an existing Antivirus profile.
- **webfilter\_profile** - Name of an existing Web filter profile.
- **dnsfilter\_profile** - Name of an existing DNS filter profile.
- **ips\_sensor** - Name of an existing IPS sensor.
- **application\_list** - Name of an existing Application list.
- **ssl\_ssh\_profile** - Name of an existing SSL SSH profile.
- **nat** - Enable/disable source NAT.
- **internet\_service\_src** - Enable/disable use of Internet Services in source for this policy. If enabled, source address is not used.
- **internet\_service\_src\_id** - Internet Service source ID.
- **users** - Names of individual users that can authenticate with this policy.
- **status** - Enable or disable this policy.
- **profile\_protocol\_options** - Name of an existing Protocol options profile.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the firewall policy item.
- **name** - Policy name.
- **srcintf** - Incoming (ingress) interface.
- **dstintf** - Outgoing (egress) interface.
- **srcaddr** - Source address and address group names.
- **dstaddr** - Destination address and address group names.
- **internet\_service** - Enable/disable use of Internet Services for this policy. If enabled, destination address and service are not used.
- **internet\_service\_id** - Internet Service ID.
- **action** - Policy action.
- **schedule** - Schedule name.
- **service** - Service and service group names..
- **utm\_status** - Enable to add one or more security profiles (AV, IPS, etc.) to the firewall policy.
- **logtraffic** - Enable or disable logging. Log all sessions or security profile sessions.
- **logtraffic\_start** - Record logs when a session starts and ends.
- **capture\_packet** - Enable/disable capture packets.
- **ippool** - Enable to use IP Pools for source NAT.
- **poolname** - IP Pool names.
- **groups** - Names of user groups that can authenticate with this policy.
- **devices** - Device type category.
- **comments** - Comment.
- **av\_profile** - Name of an existing Antivirus profile.
- **webfilter\_profile** - Name of an existing Web filter profile.
- **dnsfilter\_profile** - Name of an existing DNS filter profile.
- **ips\_sensor** - Name of an existing IPS sensor.
- **application\_list** - Name of an existing Application list.
- **ssl\_ssh\_profile** - Name of an existing SSL SSH profile.
- **nat** - Enable/disable source NAT.
- **internet\_service\_src** - Enable/disable use of Internet Services in source for this policy. If enabled, source address is not used.
- **internet\_service\_src\_id** - Internet Service source ID.
- **users** - Names of individual users that can authenticate with this policy.
- **status** - Enable or disable this policy.
- **profile\_protocol\_options** - Name of an existing Protocol options profile.

## » fortios\_\_system\_\_admin\_\_administrator

Provides a resource to configure administrator accounts of FortiOS.

### » Example Usage

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_admin_administrator" "admintest" {
    name = "testadminacc"
    password = "cc37331AC1"
    trusthost1 = "1.1.1.0 255.255.255.0"
    trusthost2 = "2.2.2.0 255.255.255.0"
    accprofile = "3d3"
    vdom = ["root"]
    comments = "comments"
}
```

### » Argument Reference

The following arguments are supported:

- **name** - (Required) User name.
- **password** - (Required) Admin user password.
- **trusthostN** - Any IPv4 address or subnet address and netmask from which the administrator can connect to the FortiGate unit.
- **vdom** - Virtual domain(s) that the administrator can access.
- **accprofile** - Access profile for this administrator. Access profiles control administrator access to FortiGate features.
- **comments** - Comment.

### » Attributes Reference

The following attributes are exported:

- **id** - The ID of the administrator account item.
- **name** - User name.
- **password** - Admin user password.
- **trusthostN** - Any IPv4 address or subnet address and netmask from which the administrator can connect to the FortiGate unit.
- **vdom** - Virtual domain(s) that the administrator can access.

- `accprofile` - Access profile for this administrator. Access profiles control administrator access to FortiGate features.
- `comments` - Comment.

## » `fortios__system__admin__profiles`

Provides a resource to configure access profiles of FortiOS.

### » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_admin_profiles" "test1" {
  name = "223d3"
  scope = "vdom"
  comments = "test"
  secfabgrp = "read-write"
  ftviewgrp = "read"
  authgrp = "none"
  sysgrp = "read"
  netgrp = "none"
  loggrp = "none"
  fwgrp = "none"
  vpngrp = "none"
  utmgrp = "none"
  wanoptgrp = "none"
  wifi = "none"
  admintimeout_override = "disable"
}
```

### » Argument Reference

The following arguments are supported:

- `name` - (Required) Profile name.
- `scope` - Scope of admin access.
- `secfabgrp` - Security Fabric.
- `ftviewgrp` - FortiView.
- `authgrp` - Administrator access to Users and Devices.
- `sysgrp` - System Configuration.

- **netgrp** - Network Configuration.
- **loggrp** - Administrator access to Logging and Reporting including viewing log messages.
- **fwgrp** - Administrator access to the Firewall configuration.
- **vpngrp** - Administrator access to IPsec, SSL, PPTP, and L2TP VPN.
- **utmgrp** - Administrator access to Security Profiles.
- **wanoptgrp** - Administrator access to WAN Opt & Cache.
- **wifi** - Administrator access to the WiFi controller and Switch controller.
- **admintimeout\_override** - Enable/disable overriding the global administrator idle timeout.
- **comments** - Comment.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the access profile item.
- **name** - Profile name.
- **scope** - Scope of admin access.
- **secfabgrp** - Security Fabric.
- **ftviewgrp** - FortiView.
- **authgrp** - Administrator access to Users and Devices.
- **sysgrp** - System Configuration.
- **netgrp** - Network Configuration.
- **loggrp** - Administrator access to Logging and Reporting including viewing log messages.
- **fwgrp** - Administrator access to the Firewall configuration.
- **vpngrp** - Administrator access to IPsec, SSL, PPTP, and L2TP VPN.
- **utmgrp** - Administrator access to Security Profiles.
- **wanoptgrp** - Administrator access to WAN Opt & Cache.
- **wifi** - Administrator access to the WiFi controller and Switch controller.
- **admintimeout\_override** - Enable/disable overriding the global administrator idle timeout.
- **comments** - Comment.

## » fortios\_\_system\_\_apiuser\_\_setting

Provides a resource to configure API users of FortiOS. The API user of the token for this feature should have a super admin profile, It can be set in CLI while GUI does not allow.



## » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_apiuser_setting" "test2" {
  name = "testapiuser"
  accprofile = "restAPIprofile"
  vdom = ["root"]
  trusthost {
    type = "ipv4-trusthost"
    ipv4_trusthost = "61.149.0.0 255.255.0.0"
  }

  trusthost {
    type = "ipv4-trusthost"
    ipv4_trusthost = "22.22.0.0 255.255.0.0"
  }
}
```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) User name.
- **accprofile** - (Required) Admin user access profile.
- **vdom** - (Required) Virtual domains.
- **trusthost-Type** - (Required) Trusthost type.
- **trusthost-ipv4\_trusthost** - (Required) IPv4 trusted host address.
- **comments** - Comment.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the API user.
- **name** - User name.
- **accprofile** - Admin user access profile.
- **vdom** - Virtual domains.
- **trusthost-Type** - Trusthost type.
- **trusthost-ipv4\_trusthost** - IPv4 trusted host address.
- **comments** - Comment.

## » fortios\_\_system\_\_vdom\_\_setting

Provides a resource to configure VDOM of FortiOS. The API user of the token for this feature should have a super admin profile, It can be set in CLI while GUI does not allow.

### » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_vdom_setting" "test2" {
  name = "aa1122"
  short_name = "aa1122"
  temporary = 0
}
```

### » Argument Reference

The following arguments are supported:

- **name** - (Required) VDOM name.
- **short\_name** - VDOM short name.
- **temporary** - Temporary.

### » Attributes Reference

The following attributes are exported:

- **id** - The ID of the VDOM.
- **name** - VDOM name.
- **short\_name** - VDOM short name.
- **temporary** - Temporary.

## » fortios\_\_system\_\_license\_\_forticare

Provides a resource to add a FortiCare license for FortiOS.

## » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_license_forticare" "test2" {
  registration_code = "license"
}
```

## » Argument Reference

The following arguments are supported:

- **registration\_code** - (Required) Registration code.

## » fortios\_\_system\_\_license\_\_vm

Provides a resource to update VM license using uploaded file for FortiOS. Re-boots immediately if successful.

## » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_license_vm" "test2" {
  file_content = "LS0tLS1CRUdJTiBGR1QgVk0gTElDRU5TRS0tLS0tDQpRQUFBQUxXaTdCVnVkV2x3QXJZcC9"
}
```

## » Argument Reference

The following arguments are supported:

- **file\_content** - (Required) The license file, it needs to be base64 encoded, must not contain whitespace or other invalid base64 characters, and must be included in HTTP body.

## » fortios\_\_system\_\_license\_\_vdom

Provides a resource to add a VDOM license for FortiOS.

### » Example Usage

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_system_license_vdom" "test2" {
    license = "license"
}
```

### » Argument Reference

The following arguments are supported:

- `license` - (Required) Registration code.

## » fortios\_\_log\_\_fortianalyzer\_\_setting

Provides a resource to configure logging to FortiAnalyzer log management devices.

### » Example Usage

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_log_fortianalyzer_setting" "test1" {
    status = "enable"
    server = "10.2.2.99"
    source_ip = "10.2.2.99"
    upload_option = "realtime"
    reliable = "enable"
    hmac_algorithm = "sha256"
    enc_algorithm = "high-medium"
}
```

## » Argument Reference

The following arguments are supported:

- **status** - (Required) Enable/disable logging to FortiAnalyzer.
- **server** - The remote FortiAnalyzer.
- **source\_ip** - Source IPv4 or IPv6 address used to communicate with FortiAnalyzer.
- **upload\_option** - Enable/disable logging to hard disk and then uploading to FortiAnalyzer.
- **reliable** - Enable/disable reliable logging to FortiAnalyzer.
- **hmac\_algorithm** - FortiAnalyzer IPsec tunnel HMAC algorithm.
- **enc\_algorithm** - Enable/disable sending FortiAnalyzer log data with SSL encryption.

## » Attributes Reference

The following attributes are exported:

- **status** - Enable/disable logging to FortiAnalyzer.
- **server** - The remote FortiAnalyzer.
- **source\_ip** - Source IPv4 or IPv6 address used to communicate with FortiAnalyzer.
- **upload\_option** - Enable/disable logging to hard disk and then uploading to FortiAnalyzer.
- **reliable** - Enable/disable reliable logging to FortiAnalyzer.
- **hmac\_algorithm** - FortiAnalyzer IPsec tunnel HMAC algorithm.
- **enc\_algorithm** - Enable/disable sending FortiAnalyzer log data with SSL encryption.

## » fortios\_log\_syslog\_setting

Provides a resource to configure logging to remote Syslog logging servers.

## » Example Usage

```
provider "fortios" {
  hostname = "54.226.179.231"
  token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_log_syslog_setting" "test2" {
  status = "enable"
}
```

```

    server = "2.2.2.2"
    mode = "udp"
    port = "514"
    facility = "local7"
    source_ip = "10.2.2.199"
    format = "csv"
}

```

## » Argument Reference

The following arguments are supported:

- **status** - (Required) Enable/disable remote syslog logging.
- **server** - Address of remote syslog server.
- **mode** - Remote syslog logging over UDP/Reliable TCP.
- **port** - Server listen port.
- **facility** - Remote syslog facility.
- **source\_ip** - Source IP address of syslog.
- **format** - Log format.

## » Attributes Reference

The following attributes are exported:

- **status** - Enable/disable remote syslog logging.
- **server** - Address of remote syslog server.
- **mode** - Remote syslog logging over UDP/Reliable TCP.
- **port** - Server listen port.
- **facility** - Remote syslog facility.
- **source\_ip** - Source IP address of syslog.
- **format** - Log format.

## » fortios\_vpn\_ipsec\_phase1interface

Provides a resource to use phase1-interface to define a phase 1 definition for a route-based (interface mode) IPsec VPN tunnel that generates authentication and encryption keys automatically.

## » Example Usage

fortios\_vpn\_ipsec\_phase1interface needs to be set with fortios\_vpn\_ipsec\_phase2interface. See section fortios\_vpn\_ipsec\_phase2interface.

## » Argument Reference

The following arguments are supported:

- **name** - (Required) IPsec remote gateway name.
- **type** - (Required) Remote gateway type.
- **interface** - (Required) Local physical, aggregate, or VLAN outgoing interface.
- **peertype** - Accept this peer type.
- **proposal** - Phase1 proposal.
- **comments** - Comment.
- **wizard\_type** - GUI VPN Wizard Type.
- **remote\_gw** - (Required) IPv4 address of the remote gateway's external interface.
- **psksecret** - (Required) Pre-shared secret for PSK authentication.
- **certificate** - Names of signed personal certificates.
- **peerid** - Accept this peer identity.
- **peer** - Accept this peer certificate.
- **peergrp** - Accept this peer certificate group.
- **ipv4\_split\_include** - IPv4 split-include subnets.
- **split\_include\_service** - Split-include services.
- **ipv4\_split\_exclude** - IPv4 subnets that should not be sent over the IPsec tunnel.
- **authmethod** - Authentication method.
- **authmethod\_remote** - Authentication method (remote side).
- **mode\_cfg** - Enable/disable configuration method.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the phase1-interface item.
- **name** - IPsec remote gateway name.
- **type** - Remote gateway type.
- **interface** - Local physical, aggregate, or VLAN outgoing interface.
- **peertype** - Accept this peer type.
- **proposal** - Phase1 proposal.
- **comments** - Comment.
- **wizard\_type** - GUI VPN Wizard Type.
- **remote\_gw** - IPv4 address of the remote gateway's external interface.
- **psksecret** - Pre-shared secret for PSK authentication.
- **certificate** - Names of signed personal certificates.
- **peerid** - Accept this peer identity.
- **peer** - Accept this peer certificate.
- **peergrp** - Accept this peer certificate group.
- **ipv4\_split\_include** - IPv4 split-include subnets.

- `split_include_service` - Split-include services.
- `ipv4_split_exclude` - IPv4 subnets that should not be sent over the IPsec tunnel.
- `authmethod` - Authentication method.
- `authmethod_remote` - Authentication method (remote side).
- `mode_cfg` - Enable/disable configuration method.

## » `fortios__vpn__ipsec__phase2interface`

Provides a resource to use phase2-interface to add or edit a phase 2 configuration on a route-based (interface mode) IPsec tunnel.

### » Example Usage for Site to Site/Pre-shared Key

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_vpn_ipsec_phase1interface" "test1" {
    name = "001Test"
    type = "static"
    interface = "port2"
    peertype = "any"
    proposal = "aes128-sha256 aes256-sha256 aes128-sha1 aes256-sha1"
    comments = "VPN 001Test P1"
    wizard_type = "static-fortigate"
    remote_gw = "1.2.2.2"
    psksecret = "testscecret112233445566778899"
    authmethod = "psk"
    authmethod_remote = ""
    mode_cfg = "disable"
}

provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_vpn_ipsec_phase2interface" "test2" {
    name = "001Test"
    phase1name = "001Test"
    proposal = "aes128-sha1 aes256-sha1 aes128-sha256 aes256-sha256 aes128gcm aes256gcm cha"
```



```

        comments = "VPN 001Test P2"
        src_addr_type = "name"
        dst_addr_type = "name"
        src_name = "HQ-toBranch_local"
        dst_name = "HQ-toBranch_remote"
    }

```

## » Example Usage for Site to Site/Signature

```

provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

```

```

resource "fortios_vpn_ipsec_phase1interface" "test1" {
    name = "001Test"
    type = "static"
    interface = "port2"
    proposal = "aes128-sha256 aes256-sha256 aes128-sha1 aes256-sha1"
    comments = "VPN 001Test P1"
    wizard_type = "static-fortigate"
    remote_gw = "1.2.2.2"
    psksecret = "testscecret112233445566778899"
    certificate = ["Fortinet_SSL_ECDSA384"]
    peertype = "peer"
    peerid = ""
    peer = "2b_peer"
    peergrp = ""
}

```

```

provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

```

```

resource "fortios_vpn_ipsec_phase2interface" "test2" {
    name = "001Test"
    phase1name = "001Test"
    proposal = "aes128-sha1 aes256-sha1 aes128-sha256 aes256-sha256 aes128gcm aes256gcm cha"
    comments = "VPN 001Test P2"
    src_addr_type = "range"
    dst_addr_type = "subnet"
    src_start_ip = "1.1.1.0"
    src_end_ip = "1.1.1.1"
    dst_subnet = "2.2.2.2/24"
}

```

```
}
```

## » Example Usage for Remote Access/Pre-shared Key

```
provider "fortios" {  
    hostname = "54.226.179.231"  
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"  
}
```

```
resource "fortios_vpn_ipsec_phase1interface" "test1" {  
    name = "001Test"  
    type = "dynamic"  
    interface = "port2"  
    peertype = "any"  
    proposal = "aes128-sha256 aes256-sha256 aes128-sha1 aes256-sha1"  
    comments = "VPN 001Test P1"  
    wizard_type = "dialup-forticlient"  
    remote_gw = "0.0.0.0"  
    psksecret = "testssecret112233445566778899"  
    ipv4_split_include = "d_split"  
    split_include_service = ""  
    ipv4_split_exclude = ""  
}
```

```
provider "fortios" {  
    hostname = "54.226.179.231"  
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"  
}
```

```
resource "fortios_vpn_ipsec_phase2interface" "test2" {  
    name = "001Test"  
    phase1name = "001Test"  
    proposal = "aes128-sha1 aes256-sha1 aes128-sha256 aes256-sha256 aes128gcm aes256gcm cha  
    comments = "VPN 001Test P2"  
    src_addr_type = "subnet"  
    src_start_ip = "0.0.0.0"  
    src_end_ip = "0.0.0.0"  
    src_subnet = "0.0.0.0 0.0.0.0"  
    dst_addr_type = "subnet"  
    dst_start_ip = "0.0.0.0"  
    dst_end_ip = "0.0.0.0"  
    dst_subnet = "0.0.0.0 0.0.0.0"  
}
```

## » Example Usage for Remote Access/Signature

```
provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_vpn_ipsec_phase1interface" "test1" {
    name = "001Test"
    type = "dynamic"
    interface = "port2"
    peertype = "any"
    proposal = "aes128-sha256 aes256-sha256 aes128-sha1 aes256-sha1"
    comments = "VPN 001Test P1"
    wizard_type = "dialup-forticlient"
    remote_gw = "1.2.2.2"
    psksecret = "testscecret112233445566778899"
    certificate = ["Fortinet_SSL_ECDSA384"]
    peertype = "peer"
    peerid = ""
    peer = "2b_peer"
    peergrp = "",
    ipv4_split_include = "d_split"
    split_include_service = ""
    ipv4_split_exclude = ""
}

provider "fortios" {
    hostname = "54.226.179.231"
    token = "jn3t3Nw7qckQzt955Htkfj5hwQ6jdb"
}

resource "fortios_vpn_ipsec_phase2interface" "test2" {
    name = "001Test"
    phase1name = "001Test"
    proposal = "aes128-sha1 aes256-sha1 aes128-sha256 aes256-sha256 aes128gcm aes256gcm cha"
    comments = "VPN 001Test P2"
    src_addr_type = "subnet"
    src_start_ip = "0.0.0.0"
    src_end_ip = "0.0.0.0"
    src_subnet = "0.0.0.0 0.0.0.0"
    dst_addr_type = "subnet"
    dst_start_ip = "0.0.0.0"
    dst_end_ip = "0.0.0.0"
    dst_subnet = "0.0.0.0 0.0.0.0"
}
```

## » Argument Reference

The following arguments are supported:

- **name** - (Required) IPsec tunnel name.
- **phase1name** - (Required) Phase 1 determines the options required for phase 2.
- **proposal** - Phase2 proposal.
- **src\_addr\_type** - Local proxy ID type.
- **src\_start\_ip** - Local proxy ID start.
- **src\_end\_ip** - Local proxy ID end.
- **src\_subnet** - Local proxy ID subnet.
- **dst\_addr\_type** - Local proxy ID type.
- **src\_name** - Local proxy ID name.
- **dst\_name** - Remote proxy ID name.
- **dst\_start\_ip** - Remote proxy ID IPv4 start.
- **dst\_end\_ip** - Remote proxy ID IPv4 end.
- **dst\_subnet** - Remote proxy ID IPv4 subnet.
- **comments** - Comment.

## » Attributes Reference

The following attributes are exported:

- **id** - The ID of the phase2-interface.
- **name** - IPsec tunnel name.
- **phase1name** - Phase 1 determines the options required for phase 2.
- **proposal** - Phase2 proposal.
- **src\_addr\_type** - Local proxy ID type.
- **src\_start\_ip** - Local proxy ID start.
- **src\_end\_ip** - Local proxy ID end.
- **src\_subnet** - Local proxy ID subnet.
- **dst\_addr\_type** - Local proxy ID type.
- **src\_name** - Local proxy ID name.
- **dst\_name** - Remote proxy ID name.
- **dst\_start\_ip** - Remote proxy ID IPv4 start.
- **dst\_end\_ip** - Remote proxy ID IPv4 end.
- **dst\_subnet** - Remote proxy ID IPv4 subnet.
- **comments** - Comment.