BROCADE BWC NETCONF PROXY/TRANSPORT - USER GUIDE

JANUARY 2017
VERSION 1.0

BROCADE COMMUNICATIONS SYSTEMS, INC
130 HOLGER WAY, SAN JOSE, CA 95134

Date	Version	Author(s)	Comments
02-JAN-2017	0.1	Lee Cowdrey	Initial
10-JAN-2017	1.0	Lee Cowdrey	Issued

Table of Contents

Table of Figures

No table of figures entries found.

1 PURPOSE

With all interested parties operating under a mutual Non-Disclosure Agreement (NDA), this document serves to provide background information, product capabilities and features, benchmarking scenarios, sample use cases, integration guidelines and example configuration details of the Brocade Vyatta® Network OS VNF Platfrom.

RFC6241 compliant.

2 INTRODUCTION

Bridge between StackStorm/Brocade Workflow Composer and NETCONF compliant devices

3 DEPLOYMENT AND OPERATIONAL SCENARIOS

3.1 Requirements

This application can be hosted by any workstation or server that provides a Java runtime; minimum version 1.8. If fully qualified domain names are specified as targets, DNS resolution must be functional on the same host.

3.2 External Connection Requests

By default, this application will only accept connections originainting from any locally bound network interfaces (i.e. loopback), therefore from within the workstation or server only.

This can be overridden, to also accept connections from external sources by enabling through the command line options, specifically `--http-permit-remote`.

3.3 HTTP Encryption and Authentication

This application currently only supports HTTP Basic Authentication. As such username/passwords are transmitted in Base64 encoded text – this is not secure.

To ensure any request/response data sent or received to this application is secure, it is recommended to operate this application with SSL certificates via the HTTPS protocol. Support for this will be added later.

All data transmitted or received through the NETCONF protocol, operates through the SSH subsystem, and as such is fully encrypted and hence secure. This is more commonly known as NETCONF over SSH, RFC 6242.

3.4 NETCONF automatic operations

This application automatically includes additional NETCONF operations regarding datastore locking. When and as necessary, the <lock> and <unlock> operations will be included in the transaction with the target device.

3.4.1 NETCONF error-option

Where supported by the target device capabilities, the error option rollback-on-error will be issued during any operation that makes changes to a datastore. If this capability is not available on the target device, then stop-on-error is issued instead. In addition the ability offered by test-then-set capability is also supported, if the target devices offers it.

3.5 NETCONF operation attribute

The operation attribute must be specified during any transactions through the request payload to control the target device to proide an identifier for the point in the configuration to perform the operation against. If the attribute is not specified any configuration changes are merged into the specified datastore. The following values are permitted but are dependant on the target device capabilities:

- `merge` - The configuration data identified by the element containing this attribute is merged with the configuration at the corresponding level in the configuration datastore identified by the <target> parameter. This is the default behavior.
- `replace` - The configuration data identified by the element containing this attribute replaces any related configuration in the configuration datastore identified by the <target> parameter. If no such configuration data exists in the configuration datastore, it is created. Unlike a <copy-config> operation, which replaces the entire target configuration, only the configuration actually present in the <config> parameter is affected.
- `create` - The configuration data identified by the element containing this attribute is added to the configuration if and only if the configuration data does not already exist in the configuration datastore. If the configuration dataexists, an <rpc-error> element is returned with an <error-tag> value of "data-exists".
- `delete` - The configuration data identified by the element containing this attribute is deleted from the configuration if and only if the configuration data currently exists in the configuration datastore. If the configuration data does not exist, an <rpc-error> element is returned with an <error-tag> value of "data-missing".

- `remove` - The configuration data identified by the element containing this attribute is deleted from the configuration if the configuration data currently exists in the configuration datastore. If the configuration data does not exist, the "remove" operation is silently ignored by the server.
- `none` - Do nothing with the configuration data

The attribute can be specified globally from within the request payload (`"operation": "merge"`), or on specific config by setting the global value to none and including the operation within the supplied XML as per the example below:

```
<services xmlns="http://brocade.com/ns/csp" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">
    <vcpe xmlns="http://com.example/vcpe" operation="delete">
        <identifier>CSP-10001-ORD</identifier>
    </vcpe>
 </services>
```

3.6   Slaves

Some NETCONF target devices may be servers rather than traditional network devices and may be provide multiple IP endpoints that can be called if the previous target is not responding or is not reachable. This is contray to the IP endpoint being a single virtual IP address bound to multiple network interfaces across a group of servers utilizing protocols such as ARP to allow data to be switched to the correct location.

Other scenarios may also include matched pairs of switches/routers that are operating under configuration replication schemes, much like vyatta's configuration synchronization. In these scenarios, the slaves feature allows the designated target configuration master to be specified in the primary request payload, and the hot-standby to be specififed in the optional slaves request payload (JSON array). In event the master can either not be reached, SSH transport or NETCONF subsystem are not responding; then each defined slave will be attempted until either a connection is successful or the list of slaves has been exhausted. Appropriate messages will be included within any supplied response to indicate which targets failed and which, if any, where successful.

Currently only the SSH transport (and hence NETCONF subsystem) read timeout can be specified; the initial IP connection timeout defaults to the Java environment value for TCP socket timeouts. The socket read timeout though can be specified in the request payload and will allow for interrupted communications to be trapped and successfully disconnected without blocking requests.

Credentials (usernames,passwords, keys)must be common across all targets and linked slaves; only IP addresses/FQDNs and SSH subsystem port numbers can vary between targets.

3.7   In-Stream XPath

When target devices do not provide the capability "`urn:ietf:params:netconf:capability:xpath:1.0`" during get-config operations, this application undertakes in-stream processing to apply the specified XPath expression to the retrieved data before returning the results to the calling party.

The response body will indicate if this has happened by setting the warning flag:

```
"warning:host x.x.x.x does not provide capability urn:ietf:params:netconf:capability:xpath:1.0, performing
xPath in-stream"
```

XPath expressions are not validated prior to performing the operation but are validated during the in-stream processing. Any invalid XPath expression will be reported with the exception flag set, in addition to the XPath expression exception message, similar to:

```
"exception:javax.xml.xpath.XPathExpressionException: javax.xml.transform.TransformerException: A location
path was expected, but the following token was encountered:  )"
```

4 REST PAYLOADS

The REST request and response payloads use a consistent format regardless of NETCONF operation and REST call.

Model	RESTful
Protocol	HTTP
Root Path	/netconf
Port	8070
Authentication	Basic Authentication
Use	All passwords are case sensitive, all usernames and realms are case insensitive

The following API calls are restricted to within the compute engine hosting the NETCONF manager (listening on loopback 127.0.0.1/::1) unless the servlet deployment parameter `bwcNetconf.allow.remote.requests` has been set to true; if set to true then requests are listened for across all interfaces. To control this action at startup through the command line include the option `--http-permit-remote`

4.1 Common Request Payload

HTTP Parameters			Common HTTP request			
Name	Style	JSON	Type	M/O	Value	Description
Authorization	Header	N/A	String	M	Basic …	Base64 Encoded
Accept	Header	N/A	String	M	application/json	HTTP header
Content-Type	Header		String	M	application/json	HTTP header
Content-Length	Header		Integer	M	{size of body}	HTTP header
Request	Body	Array		M	request	HTTP body, raw encoded
Host	Body	Object	String	M	192.168.56.160	Target IP address or FQDN
port	Body	Object	Number	M	22	Target SSH NETCONF subsystem port number
username	Body	Object	String	M	admin	Target device username
password	Body	Object	String	M	admin	Target device password
xml	Body	Object	String	M		NETCONF XML configuration, which will require pre-processing to replace " with \"
datastore	Body	Object	String	M	running	NETCONF datastore being one of: • running • startup • candidate

						Not all targets support the full list of datastores.
operation	Body	Object	String	M	none	NETCONF operation attribute value: • merge • replace • create • delete • remove • none
url	Body	Object	String	O		Source/destination URL for copy operations
config etc.	Body	Object	String	O	config	NETCONF XPath expression
bypass	Body	Object	Boolean	M	false	true or false, allows payload to be verified by this application but no subsequent call to the specified target will be attempted
callback	Body	Array		O		Optional for asynchronous operation with callback rather than synchronous operation
identifier	Body	Object	String	O		Identifier to allow calling system to subsequently correctly identify asynchronous callback
url	Body	Object	String	M		URL for HTTP/HTTPS destination callback
ssh	Body	Array		M		
privateKey	Body	Object	String	O		SSH Private Key
passphrase	Body	Object	String	O		SSH Passphrase
debug	Body	Object	Boolean	M	False	true or false, SSH Transport Debug
readTimeOut	Body	Object	Number	M	600	SSH Read Time Out Duration
strictHosts	Body	Object	Boolean	M	true	True or false, SSH Strict Host Fingerprint Check
slaves	Body	Array		O	slaves	Target Slaves List

host	Body	Object	String	M	192.168.56.161	Target slave IP address or FQDN
port	Body	Object	Number	M	22	Target slave SSH NETCONF subsystem port number

4.1.1 Example

The request contained within the HTTP body must be supplied in raw format, not form-data, x-www-form-urlencoded or binary.

```json
{
  "request": [
    {
      "host": "192.168.56.160",
      "port": 22,
      "username": "vyatta",
      "password": "vyatta",
      "xml": "",
      "datastore": "running",
      "operation": "none",
      "url": "",
      "config": "/interfaces/dataplane",
      "bypass": false,
      "callback": {
        "identifier": "test0001",
        "passphrase": "http://192.168.3.114:81/post"
      },
        "debug": false,
        "readTimeOut": 600,
        "strictHosts": true
      },
      "ssh": {
        "privateKey": "",
        "passphrase": "",
        "debug": false,
        "readTimeOut": 600,
        "strictHosts": true
      },
      "slaves": [
        {
          "host": "192.168.56.161",
          "port": 22
        },
        {
          "host": "192.168.56.162",
          "port": 22
        }
      ]
    }
  ]
}
```

The request payload can be simplified by excluding unused JSON fields, such as optional callback and ssh definitions,or any JSON field with a default value:

```json
{
  "request": [
    {
      "host": "192.168.56.160",
      "port": 22,
      "username": "vyatta",
      "password": "vyatta",
      "xml": "",
      "datastore": "running",
      "operation": "none",
      "url": "",
      "config": "/interfaces/dataplane"
    }
  ]
}
```

4.2 Common Response Payload

| HTTP Parameters | | | Common HTTP response | | | |
Name	Style	JSON	Type	M/O	Value	Description
Status Code	Header	N/A	Number	M		HTTP status code, 200 for successful synchronous requests, 202 for successful asynchronous requests. Other error codes as deemed necessary
Content-Type	Header		String	M	application/json	HTTP header
Content-Length	Header		Integer	M	{size of body}	HTTP header
response	Body	Array		M		
rpcWarning	Body	Object	Boolean	M	false	true or false, Warning Indicator
rpcError	Body	Object	Boolean	M	false	true or false, Error Indicator
rpcException	Body	Object	Boolean	M	false	true or false, Exception Indicator
rpcOk	Body	Object	String	M	true	true or false, Ok (success) Indicator
rpcCallback	Body	Object	Boolean	M	false	true or false, Callback requested indicator
callback	Body	Array		O		Included only if callback was requested on request, provided for confirmation purposes only
identifier	Body	Object	String	O		Identifier to allow calling system to subsequently correctly identify asynchronous callback
url	Body	Object	String	M		URL for HTTP/HTTPS destination callback

messageId	Body	Object	Number	M		NETCONF message id
sessionId	Body	Object	Number	M		NETCONF session id, 0 indicates unsuccessful NETCONF connection
xml	Body	Object	String	O		Retrieved configuration, may require post-processing if contains an XML document by replacing \" with just "
rpcMessages	Body	Array		M		
message	Body	Array	String	M		

4.2.1 Synchronous Example

```
{
  "response": [
    [
      {
        "rpcWarning": true,
        "rpcError": false,
        "xml": "<dataplane xmlns=\"urn:vyatta.com:mgmt:vyatta-interfaces-
dataplane:1\"><tagnode>dp0p33p1</tagnode><address>dhcp</address></dataplane>",
        "rpcException": false,
        "messageId": 3,
        "sessionId": 9,
        "rpcCallback": false,
        "rpcOk": true,
        "rpcMessages": [
          {
            "message": [
              "started:2017-01-03 22:22:02",
              "ok:target host 192.168.56.160:22 connected",
              "ok:target host 192.168.56.160:22 NETCONF established",
              "warning:host 192.168.56.160 does not provide capability
urn:ietf:params:netconf:capability:xpath:1.0, performing XPath in-stream",
              "ok:target host 192.168.56.160:22 NETCONF terminated",
              "ok:target host 192.168.56.160:22 disconnected",
              "stopped:2017-01-03 22:22:02"
            ]
          }
        ]
      }
    ]
  ]
}
```

4.2.2 Asynchronous Example

The calling client will receive HTTP status code 202, "The request has been accepted for processing, but the processing has not been completed. The request might or might not be eventually acted upon, and may be disallowed when processing occurs." and an empty JSON response:

```
{}
```

The callback will include additional HTTP headers to allow further observations to be made:

- `"Cache-Control": "no-cache"`
- `"Content-Length": "1028"`
- `"Content-Type": "application/json;charset=UTF-8"`
- `"Pragma": "no-cache"`
- `"User-Agent": "bwcNetconf/0.2"`

Cache-Control and Pragma are used to ensure the application behind the callback URL does not cache any previous results. Content-Length and Content-Type reflect size and type of HTTP body, in this case JSON.

User-Agent is included and specifies the calling version of this application (agent-name/agent-version i.e. `bwcNetconf/0.2`).

At some point later, depending on the execution time of the requested NETCONF operation, the specified callback URL will be used to send the response to.

```
{
  "response": [
    [
      {
        "rpcWarning": true,
        "rpcError": false,
        "xml": "<dataplane xmlns=\"urn:vyatta.com:mgmt:vyatta-interfaces-
dataplane:1\"><tagnode>dp0p33p1</tagnode><address>dhcp</address></dataplane>",
        "rpcException": false,
        "messageId": 3,
        "sessionId": 9,
        "rpcCallback": true,
        "callback": {
          "identifier": "test0001",
          "url": "http://192.168.3.114:81/post"
        },
        "rpcOk": true,
        "rpcMessages": [
          {
            "message": [
              "started:2017-01-03 22:22:02",
              "ok:target host 192.168.56.160:22 connected",
              "ok:target host 192.168.56.160:22 NETCONF established",
              "warning:host 192.168.56.160 does not provide capability
urn:ietf:params:netconf:capability:xpath:1.0, performing XPath in-stream",
              "ok:target host 192.168.56.160:22 NETCONF terminated",
              "ok:target host 192.168.56.160:22 disconnected",
              "stopped:2017-01-03 22:22:02"
            ]
          }
        ]
      }
    ]
  ]
}
```

If the NETCONF operation fails, the response will include any available detail.

If the specified callback URL is incorrect, not reachable or malformed, the callback error will be logged on the application and no retries will be attempted.

Appendix A REST API

A.1 Introduction

HTTP Verb	GET	NETCONF manager copyright/version banner
Path pattern	/about	
Servlet class	com.brocade.bwc.netconf.About	
Additional HTTP Request Parameters		

HTTP Verb	POST	NETCONF operation `<copy-config>`
Path pattern	/config/copy	
Servlet class	com.brocade.bwc.netconf.CopyConfig	
Additional HTTP Request Parameters		

HTTP Verb	POST	NETCONF operation `<delete-config>`
Path pattern	/config/delete	
Servlet class	com.brocade.bwc.netconf.CopyConfig	
Additional HTTP Request Parameters		

HTTP Verb	POST	NETCONF operation `<delete-config>`
Path pattern	/config/edit	
Servlet class	com.brocade.bwc.netconf.EditConfig	
Additional HTTP Request Parameters		

HTTP Verb	POST	NETCONF operation `<get>`
Path pattern	`/get`	
Servlet class	`com.brocade.bwc.netconf.Get`	
Additional HTTP Request Parameters		

HTTP Verb	POST	NETCONF operation `<get-config>`
Path pattern	`/config/get`	
Servlet class	`com.brocade.bwc.netconf.GetConfig`	
Additional HTTP Request Parameters		

HTTP Verb	POST	NETCONF operation `<get-schema>`
Path pattern	`/schema/get`	
Servlet class	`com.brocade.bwc.netconf.GetSchema`	
Additional HTTP Request Parameters		

Appendix B Command Line Options

B.1 Introduction

```
C:\>java -jar dist\bwcNetconf.jar --help
```

B.2 Available Options

Option	Alt Option	M/O	Default	Argument	Description
--debug	-d	O	N/A	N/A	Additional verbose debug output is provided
--help	-?	O	N/A	N/A	List of available options and servlet endpoints – endpoint URIs can change if http-context specified
--http-password	-hap	O	YWRtaW4=	Password String value	HTTP Authorization Basic Password Basic64 encoded
--http-realm	-har	O	brocade.com	Realm String value	HTTP Authorization Realm
--http-username	-hau	O	admin	Username String value	HTTP Authorization Basic Username
--http-context	-hc	O	netconf	Context String value	Parent/application context root path for URL
--http-min-threads	-hn	O	2	Number of threads	Minimum available number of threads available for handling requests
--http-max-threads	-hm	O	250	Number of threads	Maximum available number of threads available for handling requests
--http-port	-hp	O	8070	Port Number	Port used to listen for incoming requests
--http-permit-remote	-hpr	O	N/A	N/A	Allow external/remote requests to be processed, rather than those originating from any local network interface

--http-async- authorization- header-name	--haahn	O	X-Auth-Token	Custom HTTP Header name	Typically used for async callbacks where custom HTTP headers are used
--http-async- authorization- header-value	--haahv	O	NULL	Custom HTTP Header value	to provide authorization, i.e. BWC/StackStorm rule – this is only used if async callback was requested within the initial request
--http-async- thread-pool- size	-hatps	O	10	Number of threads	Maximum available number of threads available for handling asynchronous callback tasks

If any unsupported options are presented, the application will fail to start and report the offending item:

```
C:\>java -jar dist\bwcNetconf.jar --http-big-payload

BWC Netconf Proxy/Transport, version: 0.2, Copyright (c) 2016 by Brocade

usage: bwcNetconf
 -?,--help                   help
 -d,--debug                  Additional debug output
 -hap,--http-password <arg>  HTTP Auth Password [YWRtaW4=] (Base64)
 -har,--http-realm <arg>     HTTP Auth Realm [brocade.com]
 -hau,--http-username <arg>  HTTP Auth Username [admin]
 -hb,--http-bind <arg>       HTTP Bind IP Address [0.0.0.0]
 -hc,--http-context <arg>    HTTP Context [/netconf]
 -hm,--http-max-threads <arg> HTTP Maximum Threads [250]
 -hn,--http-min-threads <arg> HTTP Minimum Threads [2]
 -hp,--http-port <arg>       HTTP Listen Port [8070]
 -hpr,--http-permit-remote   HTTP Permit Non-Local Connections
Unrecognized option: --http-big-payload
```

In the same manner, including the help option anywhere on the command line, will force the application to display context sensitive options and exit immediately.

```
C:\>java -jar dist\bwcNetconf.jar --help
BWC Netconf Proxy/Transport, version: 0.2, Copyright (c) 2016 by Brocade

usage: bwcNetconf
 -?,--help                                                help
 -d,--debug                                               Additional debug output
 -haahn,--http-async-authorization-header-name <arg>      HTTP Async Header Authorization name [X-Auth-Token]
 -haahv,--http-async-authorization-header-value <arg>     HTTP Async Header Authorization value
 -hap,--http-password <arg>                               HTTP Auth Password [YWRtaW4=] (Base64)
 -har,--http-realm <arg>                                  HTTP Auth Realm [brocade.com]
 -hatps,--http-async-thread-pool-size <arg>               HTTP Async Thread Pool size [10]
 -hau,--http-username <arg>                               HTTP Auth Username [admin]
 -hb,--http-bind <arg>                                    HTTP Bind IP Address [0.0.0.0]
 -hc,--http-context <arg>                                 HTTP Context [/netconf]
 -hm,--http-max-threads <arg>                             HTTP Maximum Threads [250]
 -hn,--http-min-threads <arg>                             HTTP Minimum Threads [2]
 -hp,--http-port <arg>                                    HTTP Listen Port [8070]
 -hpr,--http-permit-remote                                HTTP Permit Non-Local Connections


Available Servlets:
[1]     [GET]   /netconf/about
[2]     [POST]  /netconf/action
[3]     [POST]  /netconf/config/copy
[4]     [POST]  /netconf/config/delete
[5]     [POST]  /netconf/config/edit
[6]     [POST]  /netconf/config/get
[7]     [POST]  /netconf/get
[8]     [POST]  /netconf/schema/get
```

The application can be shutdown by issuing the quit signal, either via CTRL-C or appropriate KILL commands. Until that happens, the application reports all option values, incoming connections and requests:

```
C:\>java -jar dist\bwcNetconf.jar
Startup in progress
Max Threads: 250 Min Threads: 2
Added servlet: 0.0.0.0:8070/netconf/about [GET]
Added servlet: 0.0.0.0:8070/netconf/action [POST]
Added servlet: 0.0.0.0:8070/netconf/config/copy [POST]
Added servlet: 0.0.0.0:8070/netconf/config/delete [POST]
Added servlet: 0.0.0.0:8070/netconf/config/edit [POST]
Added servlet: 0.0.0.0:8070/netconf/config/get [POST]
Added servlet: 0.0.0.0:8070/netconf/get [POST]
Added servlet: 0.0.0.0:8070/netconf/schema/get [POST]
Jan 05, 2017 12:54:55 PM org.mortbay.http.HttpServer doStart
INFO: Version Jetty/5.1.9
Jan 05, 2017 12:54:55 PM org.mortbay.util.Container start
INFO: Started org.mortbay.jetty.servlet.ServletHandler@14514713
Jan 05, 2017 12:54:55 PM org.mortbay.util.Container start
INFO: Started ServletHttpContext[/,/]
Jan 05, 2017 12:54:55 PM org.mortbay.http.SocketListener start
INFO: Started SocketListener on 0.0.0.0:8070
Jan 05, 2017 12:54:55 PM org.mortbay.util.Container start
INFO: Started org.mortbay.jetty.Server@3b9a45b3
Startup completed
bwcNetconf: connection from 127.0.0.1 requesting /netconf/config/get
bwcNetconf: connection from local host permitted
bwcNetconf: authorized connection from 127.0.0.1
bwcNetconf: client 127.0.0.1 request completed
bwcNetconf: connection from 127.0.0.1 requesting /netconf/config/get
bwcNetconf: connection from local host permitted
bwcNetconf: authorized connection from 127.0.0.1
bwcNetconf: formatting XML response
bwcNetconf: XML response formatted
bwcNetconf: client 127.0.0.1 request completed
bwcNetconf: connection from 127.0.0.1 requesting /netconf/config/get
bwcNetconf: connection from local host permitted
bwcNetconf: authorized connection from 127.0.0.1
bwcNetconf: formatting XML response
bwcNetconf: XML response formatted
bwcNetconf: client 127.0.0.1 request completed
Shutting down
Shutdown completed
```

When debug has been enabled, the output is enhanced with verbose output:

```
C:\>java -jar dist\bwcNetconf.jar
bwcNetconf: added async HTTP authorization header: X-Auth-Token=63074d8b229d4e138d68041198c1d047
bwcNetconf: startup in progress
Feb 03, 2017 2:44:33 PM org.mortbay.http.HttpServer setStatsOn
INFO: Statistics on = false for org.mortbay.jetty.Server@6d311334
bwcNetconf: listener threads min=2, max=250
bwcNetconf: async thread pool size=dynamic
bwcNetconf: added servlet: 0.0.0.0:8070/netconf/about [GET]
bwcNetconf: added servlet: 0.0.0.0:8070/netconf/action [POST]
bwcNetconf: added servlet: 0.0.0.0:8070/netconf/config/copy [POST]
bwcNetconf: added servlet: 0.0.0.0:8070/netconf/config/delete [POST]
bwcNetconf: added servlet: 0.0.0.0:8070/netconf/config/edit [POST]
bwcNetconf: added servlet: 0.0.0.0:8070/netconf/config/get [POST]
bwcNetconf: added servlet: 0.0.0.0:8070/netconf/get [POST]
bwcNetconf: added servlet: 0.0.0.0:8070/netconf/schema/get [POST]
Feb 03, 2017 2:44:33 PM org.mortbay.http.HttpServer doStart
INFO: Version Jetty/5.1.9
Feb 03, 2017 2:44:33 PM org.mortbay.util.Container start
INFO: Started org.mortbay.jetty.servlet.ServletHandler@1de0aca6
Feb 03, 2017 2:44:33 PM org.mortbay.util.Container start
INFO: Started ServletHttpContext[/,/]
bwcNetconf: startup completed
Feb 03, 2017 2:44:33 PM org.mortbay.http.SocketListener start
INFO: Started SocketListener on 0.0.0.0:8070
Feb 03, 2017 2:44:33 PM org.mortbay.util.Container start
INFO: Started org.mortbay.jetty.Server@6d311334
bwcNetconf: connection from 127.0.0.1 requesting /netconf/schema/get
bwcNetconf: connection from local host permitted
bwcNetconf: request body follows:
{ "request": [    {        "host": "192.168.3.10",       "port": 22,       "username":
"vyatta",       "password": "vyatta",       "xml": "",       "datastore": "running",       "operation":
"none",       "url": "",       "config": "/interfaces",       "bypass": false,       "callback":
{     "identifier":"test0003",       "url":"https://192.168.3.148/api/v1/webhooks/netconf/callback"       },
    "ssh": {        "privateKey": "",        "passphrase": "",        "debug": false,        "readTimeOut":
600,        "strictHosts": true       }     } ]}
```

```
bwcNetconf: request HTTP header: Host=127.0.0.1:8070
bwcNetconf: request HTTP header: Connection=keep-alive
bwcNetconf: request HTTP header: Content-Length=567
bwcNetconf: request HTTP header: Accept=application/json
bwcNetconf: request HTTP header: Cache-Control=no-cache
bwcNetconf: request HTTP header: Origin=chrome-extension://fhbjgbiflinjbdggehcddcbncdddomop
bwcNetconf: request HTTP header: Authorization=Basic YWRtaW46YWRtaW4=
bwcNetconf: request HTTP header: Content-Type=application/json
bwcNetconf: request HTTP header: User-Agent=Mozilla/5.0 (Windows NT 6.1; Win64; x64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/57.0.2987.21 Safari/537.36
bwcNetconf: request HTTP header: Postman-Token=6638550f-0dc3-b608-4385-c9929506a6ab
bwcNetconf: request HTTP header: DNT=1
bwcNetconf: request HTTP header: Accept-Encoding=gzip, deflate, br
bwcNetconf: request HTTP header: Accept-Language=en-GB,en;q=0.8
bwcNetconf: authorized connection from 127.0.0.1
bwcNetconf: callback requested from 127.0.0.1 for [test0003] to
https://192.168.3.148/api/v1/webhooks/netconf/callback
bwcNetconf: response body follows:
{}
bwcNetconf: client 127.0.0.1 request completed
bwcNetconf: async callback for [test0003] requested to https://192.168.3.148/api/v1/webhooks/netconf/callback
started
bwcNetconf: async callback for [test0003] request HTTP POST header: Cache-Control=no-cache
bwcNetconf: async callback for [test0003] request HTTP POST header: Accept=application/json
bwcNetconf: async callback for [test0003] request HTTP POST header: X-Auth-
Token=63074d8b229d4e138d68041198c1d047
bwcNetconf: async callback for [test0003] request HTTP POST header: User-Agent=bwcNetconf/0.2
bwcNetconf: async callback for [test0003] request HTTP POST header: Pragma=no-cache
bwcNetconf: async callback for [test0003] request HTTP POST header: Content-
Type=application/json;charset=UTF-8
bwcNetconf: async callback for [test0003] request HTTP POST body follows:
{"response":[[{"rpcWarning":true,"rpcError":false,"xml":"","rpcException":false,"messageId":2,"callback":{"id
entifier":"test0003","url":"https://192.168.3.148/api/v1/webhooks/netconf/callback"},"sessionId":0,"rpcOk":tr
ue,"rpcCallback":true,"rpcMessages":[{"message":["started:2017-02-03 14:44:35","ok:callback
requested","warning:target host 192.168.3.10:22 not available, trying next slave","stopped:2017-02-03
14:44:56"]}]}]]}
bwcNetconf: async callback for [test0003] response HTTP POST status code: 202
bwcNetconf: async callback for [test0003] response HTTP POST body follows:
{"response": [[{"xml": "", "rpcError": false, "rpcException": false, "rpcWarning": true, "callback": {"url":
"https://192.168.3.148/api/v1/webhooks/netconf/callback", "identifier": "test0003"}, "sessionId": 0,
"messageId": 2, "rpcOk": true, "rpcMessages": [{"message": ["started:2017-02-03 14:44:35", "ok:callback
requested", "warning:target host 192.168.3.10:22 not available, trying next slave", "stopped:2017-02-03
14:44:56"]}], "rpcCallback": true}]]}
bwcNetconf: async callback for [test0003] response HTTP POST: HTTP/1.1 202 Accepted
bwcNetconf: async callback for [test0003] response HTTP POST header: Access-Control-Expose-Headers=Content-
Type,X-Limit,X-Total-Count,X-Request-ID
bwcNetconf: async callback for [test0003] response HTTP POST header: Server=nginx/1.10.3
bwcNetconf: async callback for [test0003] response HTTP POST header: X-Request-ID=3f06918a-4e4b-40f6-aa39-
8b5689b0b7cd
bwcNetconf: async callback for [test0003] response HTTP POST header: Access-Control-Allow-
Origin=http://127.0.0.1:3000
bwcNetconf: async callback for [test0003] response HTTP POST header: Access-Control-Allow-
Methods=GET,POST,PUT,DELETE,OPTIONS
bwcNetconf: async callback for [test0003] response HTTP POST header: Connection=keep-alive
bwcNetconf: async callback for [test0003] response HTTP POST header: Content-Length=455
bwcNetconf: async callback for [test0003] response HTTP POST header: Access-Control-Allow-Headers=Content-
Type,Authorization,X-Auth-Token,St2-Api-Key,X-Request-ID
bwcNetconf: async callback for [test0003] response HTTP POST header: Date=Fri, 03 Feb 2017 14:45:06 GMT
bwcNetconf: async callback for [test0003] response HTTP POST header: Content-Type=application/json
bwcNetconf: async callback for [test0003] requested to https://192.168.3.148/api/v1/webhooks/netconf/callback
completed, status code: 202
Shutting down
Shutdown completed
```

4.3 Target not reachable

rpcOk being false and session id if zero indicates unsuccessful operation as unable to reach the specified target.

```
{
  "request": [
    {
      "host": "1.2.3.4",
      "port": 22,
      "username": "vyatta",
      "password": "vyatta",
      "xml": "",
      "datastore": "running",
      "operation": "none",
      "url": "",
      "config": ""
    }
  ]
}
```

```
{
  "response": [
    [
      {
        "rpcWarning": true,
        "rpcError": false,
        "xml": "",
        "rpcException": false,
        "messageId": 3,
        "sessionId": 0,
        "rpcOk": false,
        "rpcMessages": [
          {
            "message": [
              "started:2017-01-05 16:14:35",
              "warning:target host 1.2.3.4:22 not available, trying next slave",
              "stopped:2017-01-05 16:14:56"
            ]
          }
        ]
      }
    ]
  ]
}
```

4.4 Target not reachable, specified failover targets (slave)

Attempt target 1.2.3.4, then 1.2.3.5, then 192.168.56.160

```
{
  "request": [
    {
      "host": "1.2.3.4",
      "port": 22,
      "username": "vyatta",
      "password": "vyatta",
      "xml": "",
      "datastore": "running",
      "operation": "none",
      "url": "",
      "config": "/interfaces/dataplane",
      "bypass": false,
      "ssh": {
        "privateKey": "",
        "passphrase": "",
        "debug": false,
        "readTimeOut": 600,
        "strictHosts": true
      },
      "slaves": [
        {
          "host": "1.2.3.5",
          "port": 22
        },
```

```
      {
        "host": "192.168.56.160",
        "port": 22
      }
    ]
  }
 ]
}
```

```
{
  "response": [
    [
      {
        "rpcWarning": true,
        "rpcError": false,
        "xml": "<dataplane xmlns=\"urn:vyatta.com:mgmt:vyatta-interfaces-
dataplane:1\"><tagnode>dp0p33p1</tagnode><address>dhcp</address></dataplane>",
        "rpcException": false,
        "messageId": 3,
        "sessionId": 2,
        "rpcOk": true,
        "rpcMessages": [
          {
            "message": [
              "started:2017-01-05 16:32:28",
              "warning:target host 1.2.3.4:22 not available, trying next slave",
              "warning:target host 1.2.3.5:22 not available, trying next slave",
              "ok:target host 192.168.56.160:22 connected",
              "ok:target host 192.168.56.160:22 NETCONF established",
              "warning:host 192.168.56.160 does not provide capability
urn:ietf:params:netconf:capability:xpath:1.0, performing XPath in-stream",
              "ok:target host 192.168.56.160:22 NETCONF terminated",
              "ok:target host 192.168.56.160:22 disconnected",
              "stopped:2017-01-05 16:33:11"
            ]
          }
        ]
      }
    ]
  ]
}
```

4.5   get-config with XPath expressions

XPath expression= /system/acm/operational-ruleset/rule[7]

```
{
  "request": [
    {
      "host": "192.168.56.160",
      "port": 22,
      "username": "vyatta",
      "password": "vyatta",
      "xml": "",
      "datastore": "running",
      "operation": "none",
      "url": "",
      "config": "/system/acm/operational-ruleset/rule[7]",
      "bypass": false,
      "ssh": {
        "privateKey": "",
        "passphrase": "",
        "debug": false,
        "readTimeOut": 600,
        "strictHosts": true
      }
    }
  ]
}
```

```
{
  "response": [
    [
      {
        "rpcWarning": true,
        "rpcError": false,
```

```
        "xml": "<rule><tagnode>9983</tagnode><action>allow</action><command>/show/tech-support/brief/save-
uncompressed</command><group>vyattaop</group></rule>",
        "rpcException": false,
        "messageId": 2,
        "sessionId": 1,
        "rpcOk": true,
        "rpcMessages": [
          {
            "message": [
              "started:2017-01-05 16:27:33",
              "ok:target host 192.168.56.160:22 connected",
              "ok:target host 192.168.56.160:22 NETCONF established",
              "warning:host 192.168.56.160 does not provide capability
urn:ietf:params:netconf:capability:xpath:1.0, performing XPath in-stream",
              "ok:target host 192.168.56.160:22 NETCONF terminated",
              "ok:target host 192.168.56.160:22 disconnected",
              "stopped:2017-01-05 16:27:34"
            ]
          }
        ]
      }
    ]
  ]
}
```

XPath expression= /system/config-management/commit-revisions/text()

```
{
  "request": [
    {
      "host": "192.168.56.160",
      "port": 22,
      "username": "vyatta",
      "password": "vyatta",
      "xml": "",
      "datastore": "running",
      "operation": "none",
      "url": "",
      "config": "/system/config-management/commit-revisions/text()",
      "bypass": false,
      "ssh": {
        "privateKey": "",
        "passphrase": "",
        "debug": false,
        "readTimeOut": 600,
        "strictHosts": true
      }
    }
  ]
}
```

```
{
  "response": [
    [
      {
        "rpcWarning": true,
        "rpcError": false,
        "xml": "20",
        "rpcException": false,
        "messageId": 7,
        "sessionId": 6,
        "rpcOk": true,
        "rpcMessages": [
          {
            "message": [
              "started:2017-01-05 16:37:28",
              "ok:target host 192.168.56.160:22 connected",
              "ok:target host 192.168.56.160:22 NETCONF established",
              "warning:host 192.168.56.160 does not provide capability
urn:ietf:params:netconf:capability:xpath:1.0, performing XPath in-stream",
              "ok:target host 192.168.56.160:22 NETCONF terminated",
              "ok:target host 192.168.56.160:22 disconnected",
              "stopped:2017-01-05 16:37:28"
            ]
          }
        ]
      }
    ]
  ]
```

```
    ]
}
```

4.6 get-schema

Will retrieve all reported capabilities of the target and all corresponding YANG modules that make up those capabilities if available from the target.

```
{
  "request": [
    {
      "host": "192.168.3.135",
      "port": 22,
      "username": "vyatta",
      "password": "vyatta",
      "xml": "",
      "datastore": "running",
      "operation": "none",
      "url": "",
      "config": ""
    }
  ]
}
```

```
{
  "response": [
    [
      {
        "rpcWarning": false,
        "rpcError": false,
        "xml": "<schema><module name=\"vyatta-protocols-mld-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-
mld:1\" revision=\"2016-07-27\" format=\"yang\" length=\"10921\"module vyatta-protocols-mld-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-protocols-mld:1\";\tprefix vyatta-protocols-mld-v1;\timport vyatta-types-v1
{\t\tprefix types;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix
configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix
interfaces-bonding;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-
interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix
interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\t\tprefix interfaces-loopback;\t}\timport
vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1
{\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-vti-v1 {\t\tprefix interfaces-vti;\t}\timport
vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-
route;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t      San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t The YANG module for vyatta-protocols-mld-v1\";\trevision 2016-07-27 {\t\tdescription
\"Add MLD configuration for bonding interfaces\";\t}\trevision 2016-03-09 {\t\tdescription \"Add leafrefs and
must statements to replace local-only validation\t\t\tUpdate mld-interface-parameters/mld presence
description\";\t}\trevision 2015-07-28 {\t\tdescription \"New module, replaces vyatta-protocols-
mld\";\t\tconfigd:migration 1;\t}          typedef static-group-source-v6 {           type union {
type string {            configd:pattern-help \"ssm-map\";
configd:help \"Use SSM mapping\";                }\t\t\ttype types:ipv6-address {\t\t\tconfigd:help
\"IP Address\";\t\t\t}          }          }\tgrouping mld-interface-parameters {\t\tcontainer mld
{\t\t\tpresence \"MLD is configured on the interface\";\t\t\tconfigd:priority \"770\";\t\t\tconfigd:help
\"Multicast Listener Discovery (MLD)\";\t\t\tcontainer immediate-leave {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"Immediate leave feature\";\t\t\t\tleaf group-list {\t\t\t\t\ttype leafref
{\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-
route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Define multicast groups in which the immediate leave
feature is enabled\";\t\t\t\t}\t\t\t}\t\t\tleaf robustness-variable {\t\t\t\ttype uint32 {\t\t\t\t\trange
2..7;\t\t\t\t}\t\t\t\tconfigd:help \"Configure the robustness variable value on an
interface\";\t\t\t}\t\t\tleaf querier-timeout {\t\t\t\ttype uint32 {\t\t\t\t\trange
60..300;\t\t\t\t}\t\t\t\tconfigd:help \"Configure the timeout period that the router waits after the previous
querier has stopped querying before it takes over as the querier\";\t\t\t}\t\t\tleaf limit-exception
{\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-
route:tagnode\";\t\t\t\t}\t\t\t\tconfigd:help \"Specify access-list that defines multicast groups that are
exempted from being subject to configured limit\";\t\t\t}\t\t\tleaf limit {\t\t\t\ttype uint32
{\t\t\t\t\trange 1..2097152;\t\t\t\t}\t\t\t\tdefault 5000;\t\t\t\tconfigd:help \"Configure the limit on the
maximum number of group membership states\";\t\t\t}\t\t\tleaf query-max-response-time {\t\t\t\ttype uint32
{\t\t\t\t\trange 1..240;\t\t\t\t}\t\t\t\tconfigd:help \"Configure the maximum response time advertised in MLD
queries\";\t\t\t}\t\t\tleaf last-member-query-count {\t\t\t\ttype uint32 {\t\t\t\t\trange
2..7;\t\t\t\t}\t\t\t\tconfigd:help \"Set the last-member query-count value\";\t\t\t}\t\t\tlist static-group
{\t\t\t\tconfigd:help \"Set standard IPv6 Multicast group address to be configured as a static group
member\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t//
multicast address\t\t\t\t\tmust \"(starts-with(., 'ff'))\" {\t\t\t\t\t\terror-message \"Not a valid IPv6
multicast address.\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Set standard IPv6 Multicast group address to be
configured as a static group member\";\t\t\t\t}\t\t\t\tleaf-list source {\t\t\t\t\ttype static-group-source-
v6;\t\t\t\t\t// not (multicast, loopback) or ssm-map\t\t\t\t\tmust \"(not(starts-with(., 'ff'))) and \"
+\t\t\t\t\t\"(not(. = '::1')) or \" +\t\t\t\t\t\"(.= 'ssm-map')\" {\t\t\t\t\t\terror-message \"Not either
a valid IPv6 Unicast address or <ssm-map>.\";\t\t\t\t\t}\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help
\"Configure standard IPv6 source address as a static source from where multicast packets
originate\";\t\t\t}\t\t\t}\t\t\tleaf last-member-query-interval {\t\t\t\ttype uint32 {\t\t\t\t\trange
```

1000..25500;\t\t\t\t}\t\t\t\tconfigd:help \"Configure the frequency at which the router sends MLD group-specific host query messages\";\t\t\t}\t\t\t\tleaf version {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..2;\t\t\t\t}\t\t\t\t\tdefault \"2\";\t\t\t\tconfigd:help \"Configure the current MLD protocol version on an interface\";\t\t\t}\t\t\t\tleaf access-group {\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:help \"Control the multicast local-membership groups learned on an interface\";\t\t\t}\t\t\t\tleaf query-interval {\t\t\t\t\tmust \"not(../query-max-response-time) or (current() >= ../query-max-response-time)\" {\t\t\t\t\terror-message \"query-max-response-time cannot be greater than query-interval\";\t\t\t\t}\t\t\t\t\ttype uint32 {\t\t\t\t\trange 1..18000;\t\t\t\t}\t\t\t\tconfigd:help \"Configure the frequency of sending MLD host query messages\";\t\t\t}\t\t\t}\tgrouping mld-parameters {\t\tcontainer mld {\t\t\tconfigd:help \"Multicast Listener Discovery (MLD)\";\t\t\tleaf limit-exception {\t\t\t\tmust \"../limit\" {\t\t\t\t\terror-message \"limit must be configured\";\t\t\t\t}\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:help \"Specify access-list that defines multicast groups that are exempted from being subject to configured limit\";\t\t\t}\t\t\tleaf limit {\t\t\ttype uint32 {\t\t\t\trange 1..2097152;\t\t\t}\t\t\t\tconfigd:help \"Configure the limit on the maximum number of group membership states\";\t\t\t}\t\tcontainer ssm-map {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Enable SSM mapping on the router\";\t\t\tcontainer static {\t\t\t\tconfigd:help \"Configure the static mode of defining SSM mapping\";\t\t\t\tlist access-list {\t\t\t\t\tconfigd:help \"Configure access-list for the static mode of defining SSM mapping\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t}\t\t\t\t\tconfigd:help \"Configure access-list for the static mode of defining SSM mapping\";\t\t\t\t}\t\t\t\t\tleaf-list source {\t\t\t\t\t\tmin-elements 1;\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\t// not (multicast, loopback)\t\t\t\t\t\tmust \"(not(starts-with(., 'ff'))) and \" +\t\t\t\t\t\t\t\"(not(. = '::1'))\" {\t\t\t\t\t\t\terror-message \"Not a valid IPv6 unicast address.\";\t\t\t\t\t\t}\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"Configure IPv6 source address to use for static map group\";\t\t\t\t}\t\t\t}\t\t\t}\t\t}\t\tcontainer log {\t\t\tconfigd:help \"MLD logging parameters\";\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable all MLD debugging\";\t\t\t}\t\t\tleaf encode {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable MLD encode debugging\";\t\t\t}\t\t\tleaf decode {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable MLD decode debugging\";\t\t\t}\t\t\tleaf events {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable MLD events debugging\";\t\t\t}\t\t\tleaf fsm {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable MLD fsm debugging\";\t\t\t}\t\t\tleaf tib {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable MLD tib debugging\";\t\t\t}\t\t}\t}\t}\taugment /protocols:protocols {\t\tuses mld-parameters {\t\t\tconfigd:end \"vyatta-igmp 6\";\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-bonding:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bridge:bridge/interfaces-bridge:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-l2tpeth:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-loopback:loopback/interfaces-loopback:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-openvpn:openvpn/interfaces-openvpn:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-tunnel:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t   configd:validate \"vyatta-mld-interface-validate $VAR(../../@)\";\t\t\t configd:end \"vyatta-mld-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-vti:vti/interfaces-vti:ipv6 {\t\t uses mld-interface-parameters {\t\t\t refine mld {\t\t\t\tconfigd:validate \"vyatta-mld-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-mld-interface $VAR(../../@)\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-interface-validation-mpls-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-interface-validation-mpls:1\" revision=\"2016-06-14\" format=\"yang\" length=\"1405\"module vyatta-protocols-interface-validation-mpls-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-interface-validation-mpls:1\";\tprefix vyatta-protocols-interface-validation-mpls-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix if-dataplane;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-interface-validation-mpls-v1\";\trevision 2016-06-14 {\t\tdescription \"Initial revision of version 1\";\t}\tgrouping interface-mpls {\t\tconfigd:allowed \"vyatta-interfaces.pl --show=dataplane\";\t\tleaf interface {\t\t\tdescription \"Interface which supports mpls\";\t\t\ttype string {\t\t\t\tconfigd:help \"Interface name\";\t\t\t}\t\t\tmust \"(current() = /if:interfaces/if-dataplane:dataplane/if-

dataplane:tagnode)\"\t\t\t\t+\"or (substring-after(current(), '.') = /if:interfaces/if-
dataplane:dataplane\"\t\t\t\t+\"[if-dataplane:tagnode = substring-before(current(), '.')]/if-
dataplane:vif/if-dataplane:tagnode)\" {\t\t\t\terror-message \"Interface name must refer to an existing mpls-
capable interface name\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-service-dhcpv6-relay-routing-instance-
v1\"\uri=\"urn:vyatta.com:mgmt:vyatta-service-dhcpv6-relay-routing-instance:1\" revision=\"2016-07-12\"
format=\"yang\" length=\"3757\"module vyatta-service-dhcpv6-relay-routing-instance-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-service-dhcpv6-relay-routing-instance:1\";\tprefix vyatta-service-dhcpv6-relay-
routing-instance-v1;\timport vyatta-service-dhcpv6-relay-v1 {\t\tprefix v6relay;\t}\timport vyatta-routing-v1
{\t\tprefix routing;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix
if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix if-bridge;\t}\timport vyatta-interfaces-dataplane-v1
{\t\tprefix if-dataplane;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix if-bonding;\t}\timport vyatta-
routing-instance-interfaces-v1 {\t\tprefix rtintf;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose,
CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by
Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-dhcpv6-
relay-routing-instance-v1\";\trevision 2016-07-12 {\t\tdescription \"Initial revision of version
1.\";\t}\taugment /routing:routing/routing:routing-instance/routing:service {\t\tuses v6relay:dhcpv6-relay-
service {\t\trefine dhcpv6-relay/upstream-interface {\t\t\tconfigd:allowed \"vyatta-show-interfaces.pl --
vrf=$VAR(../../../@) --action=dhcp_allowed\";\t\t\t}\t\t\trefine dhcpv6-relay/upstream-interface/tagnode
{\t\t\tmust \"(current() = /if:interfaces/if-dataplane:dataplane/if-dataplane:tagnode)\"\t\t\t\t+ \"or
(substring-after(current(), '.') = /if:interfaces/if-dataplane:dataplane\"\t\t\t\t+ \"[if-dataplane:tagnode
= substring-before(current(), '.')]/if-dataplane:vif/if-dataplane:tagnode)\"\t\t\t\t+ \"or (current() =
/if:interfaces/if-bridge:bridge/if-bridge:tagnode)\"\t\t\t\t+ \"or (current() = /if:interfaces/if-
bonding:bonding/if-bonding:tagnode)\"\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-
bonding:bonding\"\t\t\t\t+ \"[if-bonding:tagnode = substring-before(current(), '.')]/if-bonding:vif/if-
bonding:tagnode)\" {\t\t\t\terror-message \"upstream-interface name must refer to an existing dataplane,
bonding or bridge interface name\";\t\t\t}\t\t\tmust \"current() = /routing:routing/routing:routing-
instance\" +\t\t\t\t\"[routing:instance-name = current()/../../../../routing:instance-name]\"
+\t\t\t\t\"/rtintf:interface/rtintf:name\" {\t\t\t\terror-message \"Interface must be configured in this
routing instance\";\t\t\t}\t\t}\t\t\trefine dhcpv6-relay {\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/service/dhcpv6-relay/configd vrf end.sh\";\t\t\t}\t\t\trefine dhcpv6-
relay/listen-interface {\t\t\tconfigd:allowed \"vyatta-show-interfaces.pl --vrf=$VAR(../../../@) --
action=dhcp_allowed\";\t\t}\t\t\trefine dhcpv6-relay/listen-interface/tagnode {\t\t\tmust \"(current() =
/if:interfaces/if-dataplane:dataplane/if-dataplane:tagnode)\"\t\t\t\t+ \"or (substring-after(current(),
'.') = /if:interfaces/if-dataplane:dataplane\"\t\t\t\t+ \"[if-dataplane:tagnode = substring-
before(current(), '.')]/if-dataplane:vif/if-dataplane:tagnode)\"\t\t\t\t+ \"or (current() =
/if:interfaces/if-bridge:bridge/if-bridge:tagnode)\"\t\t\t\t+ \"or (current() = /if:interfaces/if-
bonding:bonding/if-bonding:tagnode)\"\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-
bonding:bonding\"\t\t\t\t+ \"[if-bonding:tagnode = substring-before(current(), '.')]/if-bonding:vif/if-
bonding:tagnode)\" {\t\t\t\terror-message \"upstream-interface name must refer to an existing dataplane,
bonding or bridge interface name\";\t\t\t}\t\t\tmust \"current() = /routing:routing/routing:routing-
instance\" +\t\t\t\t\"[routing:instance-name = current()/../../../../routing:instance-name]\"
+\t\t\t\t\"/rtintf:interface/rtintf:name\" {\t\t\t\terror-message \"Interface must be configured in this
routing instance\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-system-network-
v1\"\uri=\"urn:vyatta.com:mgmt:vyatta-system-network:1\" revision=\"2016-05-31\" format=\"yang\"
length=\"5862\"module vyatta-system-network-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-
network:1\";\tprefix vyatta-system-network-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-
system-v1 {\t\tprefix system;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger
Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t Global network parameter configuration\";\trevision 2016-05-31 {\t\tdescription \"Split
grouping for system network.\";\t}\trevision 2016-04-18 {\t\tdescription \"Add grouping for system
network.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping system-
network-domain {\t\tleaf domain-name {\t\t\ttype types:domain-name;\t\t\tconfigd:priority
\"400\";\t\t\tconfigd:help \"System domain name\";\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/system/domain-name/configd_update.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/system/domain-name/configd delete.sh\";\t\t}\t\tcontainer domain-search
{\t\t\tpresence \"true\";\t\t\tconfigd:priority \"400\";\t\t\tconfigd:help \"Domain Name Server (DNS) domain
completion order\";\t\t\tleaf-list domain {\t\t\t\ttype string {\t\t\t\t\tpattern '[-a-zA-Z0-9\\.]+'
{\t\t\t\t\t\tconfigd:error-message \"invalid domain name $VAR(@)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tordered-by
\"user\";\t\t\t\tconfigd:help \"DNS domain completion order\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/system/domain-search/domain/configd_create1.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/system/domain-search/domain/configd delete1.cli\";\t\t\t}\t\t}\t}\tgrouping
system-network-hostname-ipinfo {\t\tleaf host-name {\t\t\ttype string {\t\t\t\tpattern '[0-9A-Za-z][-\\.0-9A-
Za-z]*[0-9A-Za-z]' {\t\t\t\t\tconfigd:error-message \"invalid host name $VAR(@)\";\t\t\t\t}\t\t\t\tlength
\"2..63\";\t\t\t}\t\t\tconfigd:priority \"100\";\t\t\tconfigd:help \"System host name (default:
vyatta)\";\t\t\tdefault \"vyatta\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/system/host-
name/configd_update.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/host-
name/configd delete.sh\";\t\t}\t\tcontainer ip {\t\t\tpresence \"true\";\t\t\tconfigd:priority
\"400\";\t\t\tconfigd:help \"IPv4 settings\";\t\t\tleaf arp {\t\t\t\ttype empty;\t\t\tconfigd:help
\"Parameters for ARP cache\";\t\t\t}\t\t\tleaf disable-forwarding {\t\t\t\ttype empty;\t\t\tconfigd:help
\"Disable IPv4 forwarding\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/system/ip/disable-
forwarding/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/ip/disable-
forwarding/configd delete.sh\";\t\t}\t\t}\t\tcontainer ipv6 {\t\t\tpresence \"true\";\t\t\tconfigd:help
\"IPv6 settings\";\t\t\tleaf disable {\t\t\t\ttype empty;\t\t\tconfigd:priority
\"400\";\t\t\tconfigd:help \"Disable assignment of IPv6 addresses on all
interfaces\";\t\t\t\tconfigd:create \"vyatta-ipv6-disable create\";\t\t\t\tconfigd:delete \"vyatta-ipv6-
disable delete\";\t\t}\t\t\tleaf strict-dad {\t\t\t\ttype empty;\t\t\tconfigd:priority
\"290\";\t\t\tconfigd:help \"Disable IPv6 operation on interface when DAD fails on LL
addr\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/system/ipv6/strict-
dad/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/ipv6/strict-
dad/configd_delete.sh\";\t\t}\t\tcontainer neighbor {\t\t\tpresence \"true\";\t\t\tconfigd:priority
\"400\";\t\t\tconfigd:help \"Parameters for Neighbor cache\";\t\t\tleaf table-size {\t\t\t\ttype

```
enumeration {\t\t\t\t\tenum \"1024\";\t\t\t\t\tenum \"2048\";\t\t\t\t\tenum \"4096\";\t\t\t\t\tenum
\"8192\";\t\t\t\t\tenum \"16384\";\t\t\t\t\tenum \"32768\";\t\t\t\t}\t\t\t\t\tconfigd:help \"Maximum
number of entries to keep in the Neighbor cache\";\t\t\t\t\tdefault \"8192\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/ipv6/neighbor/table-size/configd allowed.sh\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/system/ipv6/neighbor/table-
size/configd_update.sh\";\t\t\t\t}\t\t\t}\t\t\t\tleaf disable-forwarding {\t\t\t\ttype
empty;\t\t\t\tconfigd:priority \"400\";\t\t\t\tconfigd:help \"Disable IPv6 forwarding on all
interfaces\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/system/ipv6/disable-
forwarding/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/ipv6/disable-
forwarding/configd delete.sh\";\t\t\t}\t\t}\t\t}\tgrouping system-network-name-server-static-hosts {\t\tleaf-
list name-server {\t\t\ttype union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype types:ipv6-
address;\t\t\t}\t\t\tordered-by \"user\";\t\t\tconfigd:priority \"400\";\t\t\tconfigd:help \"Domain Name
Server (DNS)\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/system/name-
server/configd create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/name-
server/configd delete.sh\";\t\t}\t\tcontainer static-host-mapping {\t\t\tpresence
\"true\";\t\t\tconfigd:priority \"400\";\t\t\tconfigd:help \"Map host names to addresses\";\t\t\tlist host-
name {\t\t\t\tconfigd:help \"Host name for static address mapping\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/system/static-host-mapping/host-
name/configd_end.sh\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/static-host-
mapping/host-name/configd validate1.cli\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string
{\t\t\t\t\t\tpattern '[0-9A-Za-z][-\\.0-9A-Za-z]*[0-9A-Za-z]' {\t\t\t\t\t\t\tconfigd:error-message \"invalid
host name $VAR(@)\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Host name for static address
mapping\";\t\t\t\t}\t\t\t\tleaf inet {\t\t\t\t\ttype union {\t\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Address
[REQUIRED]\";\t\t\t\t}\t\t\t\tleaf-list alias {\t\t\t\t\ttype string;\t\t\t\t\tordered-by
\"user\";\t\t\t\t\tconfigd:help \"Alias for this address\";\t\t\t\t}\t\t\t}\t\t}\t}\taugment /system:system
{\t\tuses system-network-domain;\t\tuses system-network-hostname-ipinfo;\t\tuses system-network-name-server-
static-hosts;\t}}</module><module name=\"vyatta-routing-instance-interfaces-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-routing-instance-interfaces-v1:1\" revision=\"2016-04-11\"
format=\"yang\" length=\"1603\"module vyatta-routing-instance-interfaces-v1 {        namespace
\"urn:vyatta.com:mgmt:vyatta-routing-instance-interfaces-v1:1\";        prefix vyatta-routing-instance-if-
v1;\timport configd-v1 { prefix configd; }\timport vyatta-routing-v1 { prefix vyatta-routing; }\timport
vyatta-types-v1 {\t\tprefix types;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\tPostal: 130 Holger Way\t\t\tSan Jose, CA
95134\t\tE-mail: support@Brocade.com\t\tWeb: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by
Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-routing-
instance-interfaces-v1\";\trevision 2016-04-11 {\t\tdescription \"Initial revision of version
1.\";\t}\taugment /vyatta-routing:routing {\t\tconfigd:begin \"/opt/vyatta/sbin/vrf-bind-interface --
all\";\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance {\t\tlist interface
{\t\t\tdescription \"List of interfaces to bind with this routing-instance\";\t\t\tconfigd:help \"Bind
interface to routing-instance\";\t\t\tkey \"name\";\t\t\tleaf \"name\" {\t\t\t\ttype types:interface-
ifname;\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all\";\t\t\t\tmust
\"not(current() = 'lo') and \" +\t\t\t\t\t\"(not(starts-with(current(),'lord')))\" {\t\t\t\t\terror-message
\"Loopback interface name lo or name starts with lord can't be bound to routing-
instances.\";\t\t\t\t}\t\t\t\tmust \"(1 = count(../../../vyatta-routing:routing-instance/interface[name =
current()]))\" {\t\t\t\terror-message \"Interface cannot be bound to multiple routing
instances\";\t\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"ietf-inet-
types\"uri=\"urn:ietf:params:xml:ns:yang:ietf-inet-types\" revision=\"2013-07-15\" format=\"yang\"
length=\"16829\"module ietf-inet-types {  namespace \"urn:ietf:params:xml:ns:yang:ietf-inet-types\";  prefix
\"inet\";  organization   \"IETF NETMOD (NETCONF Data Modeling Language) Working Group\";  contact    \"WG
Web:  <http://tools.ietf.org/wg/netmod/>   WG List:  <mailto:netmod@ietf.org>   WG Chair: David Kessens
<mailto:david.kessens@nsn.com>   WG Chair: Juergen Schoenwaelder
<mailto:j.schoenwaelder@jacobs-university.de>   Editor:   Juergen Schoenwaelder
<mailto:j.schoenwaelder@jacobs-university.de>\";  description   \"This module contains a collection of
generally useful derived   YANG data types for Internet addresses and related things.   Copyright (c) 2013
IETF Trust and the persons identified as   authors of the code.  All rights reserved.   Redistribution and
use in source and binary forms, with or   without modification, is permitted pursuant to, and subject   to
the license terms contained in, the Simplified BSD License   set forth in Section 4.c of the IETF Trust's
Legal Provisions   Relating to IETF Documents   (http://trustee.ietf.org/license-info).   This version of
this YANG module is part of RFC 6991; see   the RFC itself for full legal notices.\";  revision 2013-07-15 {
description   \"This revision adds the following new data types:     - ip-address-no-zone     - ipv4-
address-no-zone     - ipv6-address-no-zone\";   reference   \"RFC 6991: Common YANG Data Types\";  }
revision 2010-09-24 {   description   \"Initial revision.\";   reference   \"RFC 6021: Common YANG Data
Types\";  }  /*** collection of types related to protocol fields ***/  typedef ip-version {   type
enumeration {   enum unknown {    value \"0\";    description    \"An unknown or unspecified
version of the Internet     protocol.\";   }   enum ipv4 {    value \"1\";    description
\"The IPv4 protocol as defined in RFC 791.\";   }   enum ipv6 {    value \"2\";    description
\"The IPv6 protocol as defined in RFC 2460.\";   }  }   description   \"This value represents the
version of the IP protocol.    In the value set and its semantics, this type is equivalent    to the
InetVersion textual convention of the SMIv2.\";   reference   \"RFC  791: Internet Protocol    RFC 2460:
Internet Protocol, Version 6 (IPv6) Specification    RFC 4001: Textual Conventions for Internet Network
Addresses\";  }  typedef dscp {   type uint8 {    range \"0..63\";   }   description   \"The dscp type
represents a Differentiated Services Code Point    that may be used for marking packets in a traffic
stream.    In the value set and its semantics, this type is equivalent    to the Dscp textual convention
of the SMIv2.\";   reference   \"RFC 3289: Management Information Base for the Differentiated
Services Architecture    RFC 2474: Definition of the Differentiated Services Field         (DS
Field) in the IPv4 and IPv6 Headers    RFC 2780: IANA Allocation Guidelines For Values In
the Internet Protocol and Related Headers\";  }  typedef ipv6-flow-label {   type uint32 {    range
\"0..1048575\";   }   description   \"The ipv6-flow-label type represents the flow identifier or Flow
Label in an IPv6 packet header that may be used to    discriminate traffic flows.    In the value set and
its semantics, this type is equivalent    to the IPv6FlowLabel textual convention of the SMIv2.\";
reference   \"RFC 3595: Textual Conventions for IPv6 Flow Label    RFC 2460: Internet Protocol, Version 6
(IPv6) Specification\";  }  typedef port-number {   type uint16 {    range \"0..65535\";   }
description    \"The port-number type represents a 16-bit port number of an    Internet transport-layer
```

protocol such as UDP, TCP, DCCP, or   SCTP. Port numbers are assigned by IANA. A current list of all assignments is available from <http://www.iana.org/>.   Note that the port number value zero is reserved by IANA. In   situations where the value zero does not make sense, it can   be excluded by subtyping the port-number type.   In the value set and its semantics, this type is equivalent   to the InetPortNumber textual convention of the SMIv2.\";   reference   \"RFC 768: User Datagram Protocol   RFC 793: Transmission Control Protocol   RFC 4960: Stream Control Transmission Protocol   RFC 4340: Datagram Congestion Control Protocol (DCCP)   RFC 4001: Textual Conventions for Internet Network Addresses\"; } /*** collection of types related to autonomous systems ***/ typedef as-number {   type uint32;   description   \"The as-number type represents autonomous system numbers   which identify an Autonomous System (AS). An AS is a set   of routers under a single technical administration, using an interior gateway protocol and common metrics to route   packets within the AS, and using an exterior gateway   protocol to route packets to other ASes. IANA maintains   the AS number space and has delegated large parts to the   regional registries.   Autonomous system numbers were originally limited to 16   bits. BGP extensions have enlarged the autonomous system   number space to 32 bits. This type therefore uses an uint32   base type without a range restriction in order to support   a larger autonomous system number space.   In the value set and its semantics, this type is equivalent   to the InetAutonomousSystemNumber textual convention of   the SMIv2.\";   reference   \"RFC 1930: Guidelines for creation, selection, and registration   of an Autonomous System (AS)   RFC 4271: A Border Gateway Protocol 4 (BGP-4)   RFC 4001: Textual Conventions for Internet Network Addresses   RFC 6793: BGP Support for Four-Octet Autonomous System (AS)   Number Space\"; } /*** collection of types related to IP addresses and hostnames ***/ typedef ip-address {   type union {   type inet:ipv4-address;   type inet:ipv6-address;   }   description   \"The ip-address type represents an IP address and is IP version neutral. The format of the textual representation   implies the IP version. This type supports scoped addresses   by allowing zone identifiers in the address format.\";   reference   \"RFC 4007: IPv6 Scoped Address Architecture\"; } typedef ipv4-address {   type string {   pattern   '(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\.){3}'   + '([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])'   + '(%[\\p{N}\\p{L}]+)?';   }   description   \"The ipv4-address type represents an IPv4 address in   dotted-quad notation. The IPv4 address may include a zone   index, separated by a % sign.   The zone index is used to disambiguate identical address   values. For link-local addresses, the zone index will   typically be the interface index number or the name of an interface. If the zone index is not present, the default   zone of the device will be used.   The canonical format for the zone index is the numerical   format\"; } typedef ipv6-address {   type string {   pattern '((:|[0-9a-fA-F]{0,4}):)([0-9a-fA-F]{0,4}:){0,5}'   + '(((25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])\\.){3}'   + '(25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])))'   + '(%[\\p{N}\\p{L}]+)?';   pattern '(((^:]+:){6}(([^:]+:[^:]+)|(.*\\..*)))|'   + '((([^:]+:)*[^:]+)?::(([^:]+:)*[^:]+)?)'   + '(%.+)?';   }   description   \"The ipv6-address type represents an IPv6 address in full,   mixed, shortened, and shortened-mixed notation. The IPv6   address may include a zone index, separated by a % sign.   The zone index is used to disambiguate identical address   values. For link-local addresses, the zone index will   typically be the interface index number or the name of an   interface. If the zone index is not present, the default   zone of the device will be used.   The canonical format of IPv6 addresses uses the textual   representation defined in Section 4 of RFC 5952. The   canonical format for the zone index is the numerical   format as described in Section 11.2 of RFC 4007.\";   reference   \"RFC 4291: IP Version 6 Addressing Architecture   RFC 4007: IPv6 Scoped Address Architecture   RFC 5952: A Recommendation for IPv6 Address Text   Representation\"; } typedef ip-address-no-zone {   type union {   type inet:ipv4-address-no-zone;   type inet:ipv6-address-no-zone;   }   description   \"The ip-address-no-zone type represents an IP address and is IP version neutral. The format of the textual representation   implies the IP version. This type does not support scoped   addresses since it does not allow zone identifiers in the   address format.\";   reference   \"RFC 4007: IPv6 Scoped Address Architecture\"; } typedef ipv4-address-no-zone {   type inet:ipv4-address {   pattern '[0-9\\.]*';   }   description   \"An IPv4 address without a zone index. This type, derived from   ipv4-address, may be used in situations where the zone is   known from the context and hence no zone index is needed.\"; } typedef ipv6-address-no-zone {   type inet:ipv6-address {   pattern '[0-9a-fA-F:\\.]*';   }   description   \"An IPv6 address without a zone index. This type, derived from   ipv6-address, may be used in situations where the zone is   known from the context and hence no zone index is needed.\";   reference   \"RFC 4291: IP Version 6 Addressing Architecture   RFC 4007: IPv6 Scoped Address Architecture   RFC 5952: A Recommendation for IPv6 Address Text   Representation\"; } typedef ip-prefix {   type union {   type inet:ipv4-prefix;   type inet:ipv6-prefix;   }   description   \"The ip-prefix type represents an IP prefix and is IP version neutral. The format of the textual representations   implies the IP version.\"; } typedef ipv4-prefix {   type string {   pattern   '(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\.){3}'   + '([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])'   + '/(([0-9])|([1-2][0-9])|(3[0-2]))';   }   description   \"The ipv4-prefix type represents an IPv4 address prefix.   The prefix length is given by the number following the   slash character and must be less than or equal to 32.   A prefix length value of n corresponds to an IP address   mask that has n contiguous 1-bits from the most   significant bit (MSB) and all other bits set to 0.   The canonical format of an IPv4 prefix has all bits of   the IPv4 address set to zero that are not part of the   IPv4 prefix.\"; } typedef ipv6-prefix {   type string {   pattern '((:|[0-9a-fA-F]{0,4}):)([0-9a-fA-F]{0,4}:){0,5}'   + '((([0-9a-fA-F]{0,4}):)?(:|[0-9a-fA-F]{0,4}))|'   + '(((25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])\\.){3}'   + '(25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])))'   + '(/(([0-9])|([0-9]{2})|(1[0-1][0-9])|(12[0-8])))';   pattern '((([^:]+:){6}(([^:]+:[^:]+)|(.*\\..*)))|'   + '((([^:]+:)*[^:]+)?::(([^:]+:)*[^:]+)?)'   + '(/.+)';   }   description   \"The ipv6-prefix type represents an IPv6 address prefix.   The prefix length is given by the number following the   slash character and must be less than or equal to 128.   A prefix length value of n corresponds to an IP address   mask that has n contiguous 1-bits from the most   significant bit (MSB) and all other bits set to 0.   The IPv6 address should have all bits that do not   belong   to the prefix set to zero.   The canonical format of an IPv6 prefix has all bits of   the IPv6 address set to zero that are not part of the   IPv6 prefix. Furthermore, the IPv6 address is represented   as defined in Section 4 of RFC 5952.\";   reference   \"RFC 5952: A Recommendation for IPv6 Address Text   Representation\"; } /*** collection of domain name and URI types ***/ typedef domain-name {   type string {   length \"1..253\";   pattern   '((([a-zA-Z0-9_]([a-zA-Z0-9\\-]){0,61})?[a-zA-Z0-9]\\.)*'   + '([a-zA-Z0-9]([a-zA-Z0-9\\-]){0,61})?[a-zA-Z0-9]\\.?)'   + '|\\.';   }   description   \"The domain-name type represents a DNS domain name. The   name SHOULD be fully qualified whenever possible.   Internet domain names are only loosely specified. Section   3.5 of RFC 1034 recommends a syntax (modified in Section   2.1 of RFC 1123). The pattern above is intended to

allow   for current practice in domain name use, and some possible   future expansion. It is designed to hold various types of   domain names, including names used for A or AAAA records   (host names) and other records, such as SRV records. Note   that Internet host names have a stricter syntax (described in RFC 952) than the DNS recommendations in RFCs 1034 and   1123, and that systems that want to store host names in   schema nodes using the domain-name type are recommended to   adhere to this stricter standard to ensure interoperability.   The encoding of DNS names in the DNS protocol is limited   to 255 characters. Since the encoding consists of labels   prefixed by a length bytes and there is a trailing NULL   byte, only 253 characters can appear in the textual dotted   notation.   The description clause of schema nodes using the domain-name   type MUST describe when and how these names are resolved to   IP addresses. Note that the resolution of a domain-name value   may require to query multiple DNS records (e.g., A for IPv4   and AAAA for IPv6). The order of the resolution process and which DNS record takes precedence can either be defined   explicitly or may depend on the configuration of the   resolver.   Domain-name values use the US-ASCII encoding. Their canonical   format uses lowercase US-ASCII characters. Internationalized   domain names MUST be A-labels as per RFC 5890.\"; reference   \"RFC 952: DoD Internet Host Table Specification   RFC 1034: Domain Names - Concepts and Facilities   RFC 1123: Requirements for Internet Hosts -- Application   and Support   RFC 2782: A DNS RR for specifying the location of services   (DNS SRV)   RFC 5890: Internationalized Domain Names in Applications   (IDNA): Definitions and Document Framework\"; } typedef host {   type union {   type inet:ip-address;   type inet:domain-name;   }   description \"The host type represents either an IP address or a DNS   domain name.\"; } typedef uri {   type string;   description   \"The uri type represents a Uniform Resource Identifier   (URI) as defined by STD 66.   Objects using the uri type MUST be in US-ASCII encoding,   and MUST be normalized as described by RFC 3986 Sections   6.2.1, 6.2.2.1, and 6.2.2.2. All unnecessary   percent-encoding is removed, and all case-insensitive   characters are set to lowercase except for hexadecimal   digits, which are normalized to uppercase as described in   Section 6.2.2.1.   The purpose of this normalization is to help provide   unique URIs. Note that this normalization is not   sufficient to provide uniqueness. Two URIs that are   textually distinct after this normalization may still be equivalent.   Objects using the uri type may restrict the schemes that   they permit. For example, 'data:' and 'urn:' schemes   might not be appropriate.   A zero-length URI is not a valid URI. This can be used to   express 'URI absent' where required.   In the value set and its semantics, this type is equivalent   to the Uri SMIv2 textual convention defined in RFC 5017.\";   reference   \"RFC 3986: Uniform Resource Identifier (URI): Generic Syntax   RFC 3305: Report from the Joint W3C/IETF URI Planning Interest   Group: Uniform Resource Identifiers (URIs), URLs,   and Uniform Resource Names (URNs): Clarifications   and Recommendations   RFC 5017: MIB Textual Conventions for Uniform Resource   Identifiers (URIs)\"; }}</module><module name=\"vyatta-service-dns-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-dns:1\" revision=\"2016-08-24\" format=\"yang\" length=\"5892\"module vyatta-service-dns-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-dns:1\";\tprefix vyatta-service-dns-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-system-v1 {\t\tprefix system;\t}\timport vyatta-system-network-v1 {\t\tprefix sys-net;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t DNS configuration\";\trevision 2016-08-24 {\t\tdescription \"Support IPv6 address for name-server.\";\t}\trevision 2016-04-18 {\t\tdescription \"Grouping services and XPATH optimizations.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping dns-service-forwarding {\t\tcontainer forwarding {\t\t\tpresence \"Enable DNS forwarding\";\t\t\tdescription \"DNS forwarding for relaying the queries\";\t\t\tconfigd:priority \"918\";\t\t\tconfigd:help \"DNS forwarding\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/dns/forwarding/configd_end.sh\";\t\t\tleaf-list dhcp {\t\t\t\ttype string;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Use nameservers received from DHCP server for specified interface\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/dns/forwarding/dhcp/configd_allowed.sh\";\t\t\t\tmust \"(/if:interfaces/*/*[local-name(.) = 'tagnode']\"\t\t\t\t\t+ \"[. = current()]/../*[local-name(.) = 'address'][. = 'dhcp'])\"\t\t\t\t\t+ \" or \"\t\t\t\t\t+ \"(/if:interfaces/*/*[local-name(.) = 'vif']\"\t\t\t\t\t+ \"[../../* = substring-before(current(), '.')]\"\t\t\t\t\t+ \"/*[local-name(.) = 'tagnode']\"\t\t\t\t\t+ \"[. = substring-after(current(), '.')]\"\t\t\t\t\t+ \"/../*[local-name(.) = 'address'][. = 'dhcp'])\" {\t\t\t\t\terror-message \"Interface must exist, and have DHCP address.\";\t\t\t\t}\t\t\t}\t\t\tleaf cache-size {\t\t\t\ttype uint32 {\t\t\t\t\trange 0..10000;\t\t\t\t}\t\t\t\tdefault \"150\";\t\t\t\tconfigd:help \"DNS forwarding cache size\";\t\t\t}\t\t\tleaf-list listen-on {\t\t\t\ttype string;\t\t\t\tmin-elements \"1\";\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Interface to listen for DNS queries [REQUIRED]\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/dns/forwarding/listen-on/configd_allowed.sh\";\t\t\t\t// Generates warning if interface doesn't exist \t\t\t\t// Can't generate error as this might invalidate\t\t\t\t// previous configurations.\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/dns/forwarding/listen-on/configd_validate1.cli\";\t\t\t}\t\t\tleaf-list name-server {\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype types:ipv6-address;\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"DNS server to forward queries\";\t\t\t}\t\t\tleaf system {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"DNS forwarding to system nameservers\";\t\t\t}\t\t\tlist domain {\t\t\t\tconfigd:help \"DNS domain to forward to a local server\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"DNS domain to forward to a local server\";\t\t\t\t}\t\t\t\tleaf server {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tmandatory true;\t\t\t\t\tconfigd:help \"DNS server to forward queries\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping dns-service-dynamic {\t\tcontainer dynamic {\t\t\tpresence \"Enable DNS Dynamic Sync\";\t\t\tdescription \"DNS dynamic for syncing address change\";\t\t\tconfigd:priority \"919\";\t\t\tconfigd:help \"Dynamic DNS\";\t\t\tlist interface {\t\t\t\tconfigd:help \"Interface to send DDNS updates for\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/dns/dynamic/interface/configd_allowed.sh\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/dns/dynamic/interface/configd_end.sh\";\t\t\t\t// Generates warning if interface doesn't exist \t\t\t\t// Can't generate error as this might invalidate\t\t\t\t// previous configurations.\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/dns/dynamic/interface/configd_validate2.cli\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Interface to send DDNS updates for\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show

```
all\";\t\t\t\t}\t\t\t\tlist service {\t\t\t\t\tmin-elements \"1\";\t\t\t\t\tconfigd:help \"Service being used
for Dynamic DNS\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/dns/dynamic/interface/service/configd allowed.sh\";\t\t\t\t\tkey
\"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern
'(dnspark|dslreports|dyndns|easydns|namecheap|sitelutions|zoneedit)' {\t\t\t\t\t\t\terror-message \"Allowed
values: dnspark dslreports dyndns easydns namecheap sitelutions
zoneedit\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Service being used for Dynamic
DNS\";\t\t\t\t\t}\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/dns/dynamic/interface/service/configd allowed.sh\";\t\t\t\t}\t\t\t\
t\tleaf password {\t\t\t\t\t\ttype string;\t\t\t\t\tmandatory true;\t\t\t\t\tconfigd:secret
\"true\";\t\t\t\t\tconfigd:help \"Password for DDNS service\";\t\t\t\t}\t\t\t\t\tleaf login
{\t\t\t\t\ttype string;\t\t\t\t\tmandatory true;\t\t\t\t\tconfigd:help \"Login for DDNS
service\";\t\t\t\t}\t\t\t\t\tleaf server {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Server to send
DDNS update to (IP address|hostname)\";\t\t\t\t}\t\t\t\t\tleaf-list host-name {\t\t\t\t\ttype
string;\t\t\t\t\tmin-elements \"1\";\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Hostname
registered with DDNS service\";\t\t\t\t}\t\t\t}\t\t}\t\t}\t\t}\taugment /service:service {\t\tcontainer
dns {\t\t\tpresence \"Enable service DNS for default instance\";\t\tdescription \"Dns service in default
vrf\";\t\tconfigd:help \"Domain Name Server (DNS) parameters\";\t\tuses dns-service-
forwarding{\t\t\trefine forwarding/system {\t\t\t\tmust \"/system:system/sys-net:name-server\"
{\t\t\t\t\terror-message                                               \"No name-servers set under
'system name-server\";\t\t\t}\t\t}\t\t}\t\t}\tuses dns-service-dynamic;\t\t}\t}}</module<module
name=\"vyatta-system-syslog-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-syslog:1\" revision=\"2016-08-15\"
format=\"yang\" length=\"9919\"module vyatta-system-syslog-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-
system-syslog:1\";\tprefix vyatta-system-syslog-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport
vyatta-system-v1 {\t\tprefix system;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger
Way\t\t        San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t Syslog configuration\";\trevision 2016-08-15 {\t\tdescription \"Remove 'all' option from
facility-override\";\t}\trevision 2016-04-22 {\t\tdescription \"Reorganization for modularity\";\t}
\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\ttypedef remote-host {\t\ttype
union {\t\t\ttype types:hostname-port;\t\t\ttype types:ipv4-addr-port;\t\t\ttype types:ipv6-addr-
port;\t\t}\t}\ttypedef facility {\t\ttype enumeration {\t\t\tenum \"auth\" {\t\t\t\tconfigd:help
\"Authentication and authorization\";\t\t\t}\t\t\tenum \"authpriv\" {\t\t\t\tconfigd:help \"Non-system
authorization\";\t\t\t}\t\t\tenum \"cron\" {\t\t\t\tconfigd:help \"Cron daemon\";\t\t\t}\t\t\tenum
\"dataplane\" {\t\t\t\tconfigd:help \"Dataplane (local6)\";\t\t\t}\t\t\tenum \"daemon\" {\t\t\t\tconfigd:help
\"System daemons\";\t\t\t}\t\t\tenum \"kern\" {\t\t\t\tconfigd:help \"Kernel\";\t\t\t}\t\t\tenum \"lpr\"
{\t\t\t\tconfigd:help \"Line printer spooler\";\t\t\t}\t\t\tenum \"mail\" {\t\t\t\tconfigd:help \"Mail
subsystem\";\t\t\t}\t\t\tenum \"mark\" {\t\t\t\tconfigd:help \"Timestamp\";\t\t\t}\t\t\tenum \"news\"
{\t\t\t\tconfigd:help \"USENET subsystem\";\t\t\t}\t\t\tenum \"protocols\" {\t\t\t\tconfigd:help \"Routing
protocols (local7)\";\t\t\t}\t\t\tenum \"security\" {\t\t\t\tconfigd:help \"Authentication and
authorization\";\t\t\t}\t\t\tenum \"sensors\" {\t\t\t\tconfigd:help \"Hardware sensors\";\t\t\t}\t\t\tenum
\"syslog\" {\t\t\t\tconfigd:help \"Authentication and authorization\";\t\t\t}\t\t\tenum \"user\"
{\t\t\t\tconfigd:help \"Application processes\";\t\t\t}\t\t\tenum \"uucp\" {\t\t\t\tconfigd:help \"UUCP
subsystem\";\t\t\t}\t\t\tenum \"local0\" {\t\t\t\tconfigd:help \"Local facility 0\";\t\t\t}\t\t\tenum
\"local1\" {\t\t\t\tconfigd:help \"Local facility 1\";\t\t\t}\t\t\tenum \"local2\" {\t\t\t\tconfigd:help
\"Local facility 2\";\t\t\t}\t\t\tenum \"local3\" {\t\t\t\tconfigd:help \"Local facility
3\";\t\t\t}\t\t\tenum \"local4\" {\t\t\t\tconfigd:help \"Local facility 4\";\t\t\t}\t\t\tenum \"local5\"
{\t\t\t\tconfigd:help \"Local facility 5\";\t\t\t}\t\t\tenum \"local6\" {\t\t\t\tconfigd:help \"Local
facility 6\";\t\t\t}\t\t\tenum \"local7\" {\t\t\t\tconfigd:help \"Local facility 7\";\t\t\t}\t\t\tenum
\"all\" {\t\t\t\tconfigd:help \"All facilities excluding \"mark\"\";\t\t\t}\t\t}\t}\ttypedef facility-no-all
{\t\ttype enumeration {\t\t\tenum \"auth\" {\t\t\t\tconfigd:help \"Authentication and
authorization\";\t\t\t}\t\t\tenum \"authpriv\" {\t\t\t\tconfigd:help \"Non-system
authorization\";\t\t\t}\t\t\tenum \"cron\" {\t\t\t\tconfigd:help \"Cron daemon\";\t\t\t}\t\t\tenum
\"dataplane\" {\t\t\t\tconfigd:help \"Dataplane (local6)\";\t\t\t}\t\t\tenum \"daemon\" {\t\t\t\tconfigd:help
\"System daemons\";\t\t\t}\t\t\tenum \"kern\" {\t\t\t\tconfigd:help \"Kernel\";\t\t\t}\t\t\tenum \"lpr\"
{\t\t\t\tconfigd:help \"Line printer spooler\";\t\t\t}\t\t\tenum \"mail\" {\t\t\t\tconfigd:help \"Mail
subsystem\";\t\t\t}\t\t\tenum \"mark\" {\t\t\t\tconfigd:help \"Timestamp\";\t\t\t}\t\t\tenum \"news\"
{\t\t\t\tconfigd:help \"USENET subsystem\";\t\t\t}\t\t\tenum \"protocols\" {\t\t\t\tconfigd:help \"Routing
protocols (local7)\";\t\t\t}\t\t\tenum \"security\" {\t\t\t\tconfigd:help \"Authentication and
authorization\";\t\t\t}\t\t\tenum \"sensors\" {\t\t\t\tconfigd:help \"Hardware sensors\";\t\t\t}\t\t\tenum
\"syslog\" {\t\t\t\tconfigd:help \"Authentication and authorization\";\t\t\t}\t\t\tenum \"user\"
{\t\t\t\tconfigd:help \"Application processes\";\t\t\t}\t\t\tenum \"uucp\" {\t\t\t\tconfigd:help \"UUCP
subsystem\";\t\t\t}\t\t\tenum \"local0\" {\t\t\t\tconfigd:help \"Local facility 0\";\t\t\t}\t\t\tenum
\"local1\" {\t\t\t\tconfigd:help \"Local facility 1\";\t\t\t}\t\t\tenum \"local2\" {\t\t\t\tconfigd:help
\"Local facility 2\";\t\t\t}\t\t\tenum \"local3\" {\t\t\t\tconfigd:help \"Local facility
3\";\t\t\t}\t\t\tenum \"local4\" {\t\t\t\tconfigd:help \"Local facility 4\";\t\t\t}\t\t\tenum \"local5\"
{\t\t\t\tconfigd:help \"Local facility 5\";\t\t\t}\t\t\tenum \"local6\" {\t\t\t\tconfigd:help \"Local
facility 6\";\t\t\t}\t\t\tenum \"local7\" {\t\t\t\tconfigd:help \"Local facility 7\";\t\t\t}\t\t\tenum
\"all\" {\t\t\t\tstatus obsolete;\t\t\t\tconfigd:help \"All facilities excluding
\"mark\"\";\t\t\t}\t\t}\t}\ttypedef level {\t\ttype enumeration {\t\t\tenum \"emerg\" {\t\t\t\tconfigd:help
\"Emergency messages\";\t\t\t}\t\t\tenum \"alert\" {\t\t\t\tconfigd:help \"Urgent
messages\";\t\t\t}\t\t\tenum \"crit\" {\t\t\t\tconfigd:help \"Critical messages \";\t\t\t}\t\t\tenum \"err\"
{\t\t\t\tconfigd:help \"Error messages\";\t\t\t}\t\t\tenum \"warning\" {\t\t\t\tconfigd:help \"Warning
messages\";\t\t\t}\t\t\tenum \"notice\" {\t\t\t\tconfigd:help \"Messages for further
investigation\";\t\t\t}\t\t\tenum \"info\" {\t\t\t\tconfigd:help \"Informational messages\";\t\t\t}\t\t\tenum
\"debug\" {\t\t\t\tconfigd:help \"Debug messages\";\t\t\t}\t\t}\t}\tgrouping facility {\t\tlist facility
{\t\t\tconfigd:help \"Facility for system logging\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype
facility;\t\t\t\tconfigd:help \"Facility for system logging\";\t\t\t\tdescription \"Specifies a log facility
value.\";\t\t\t}\t\t\tleaf level {\t\t\t\ttype level;\t\t\t\tconfigd:help \"Logging level\";\t\t\t\tdefault
\"err\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/system/syslog/global/facility/level/configd create.sh\";\t\t\t\tconfigd:delet
e \"/opt/vyatta/share/tmplscripts/system/syslog/global/facility/level/configd_delete.sh\";\t\t\t\tdescription
\"Specifies a log level value.\";\t\t\t}\t\t\tdescription \"List of facility and level
```

values.\";\t\t}\t}\tgrouping archive {\t\tcontainer archive {\t\t\tconfigd:help \"Log file size and rotation characteristics\";\t\t\tleaf files {\t\t\t\ttype uint32;\t\t\t\tconfigd:help \"Number of saved files\";\t\t\t\tdefault \"5\";\t\t\t\tdescription \"Specifies the number of retained log files. The\t\t\t\t\t oldest log files are deleted if this number is\t\t\t\t\t   exceeded.\";\t\t\t}\t\t\tleaf size {\t\t\t\ttype uint32;\t\t\t\tconfigd:help \"Size of log files (kbytes)\";\t\t\t\tdefault \"250\";\t\t\t\tdescription \"Specifies the maximum size of the log file. If\t\t\t\t   this size is exceeded the current log file\t\t\t\t   will be archived and a new log file created.\";\t\t\t}\t\t\tdescription \"Configures the maximum size and the maximum number of\t\t\t   retained log files. When the maximum size is reached\t\t\t   the current log file is archived and a new log file is\t\t\t   created. If the maximum number of log files is exceeded\t\t\t   by creating the new log file the oldest log file will\t\t\t   be deleted.\"; \t\t}\t}\tgrouping facility-archive {\t\tuses facility;\t\tuses archive;\t}\tgrouping syslog-base {\t\tcontainer syslog {\t\t\tpresence \"Enable syslog\";\t\t\tconfigd:priority \"400\";\t\t\tconfigd:help \"System logging daemon\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/system/syslog/configd end.sh\";\t\t\tdescription \"Configures system logging destinations.\";\t\t}\t}\tgrouping syslog-global {\t\tcontainer global {\t\t\tpresence \"Enable global\";\t\t\tconfigd:help \"Logging to system standard location\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/syslog/global/configd_validate1.cli\";\t\t\tuses facility-archive;\t\t\tdescription \"Configures system standard log file attributes including\t\t\t   facility, level, maximum number of log files, and\t\t\t   the maximum size of the log file.\";\t\t}\t}\tgrouping syslog-remote {\t\tlist host {\t\t\tconfigd:help \"Logging to a remote host\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/syslog/host/configd validate1.cli\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype remote-host;\t\t\t}\t\t\tuses facility;\t\t\tleaf facility-override {\t\t\t\tdescription \"Override replaces facility field in all logs to host.\";\t\t\t\ttype facility-no-all;\t\t\t\tconfigd:help \"Override replaces log entry facility field\";\t\t\t}\t\t\tdescription \"Configures a remote host as the destination for log entries.\t\t\t   Log entries that match the specified facility and level values\t\t\t   will be sent to the system console.\";\t\t}\t}\tgrouping syslog-local {\t\tlist file {\t\t\tconfigd:help \"Logging to a file\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/syslog/file/config_validate1.cli\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern '[-a-zA-Z0-9 _.]+' {\t\t\t\t\t\tconfigd:error-message \"invalid file name $VAR(@)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Logging to a file\";\t\t\t\tdescription \"Name of the file to be used as a logging destination.\";\t\t\t}\t\t\tuses facility-archive;\t\t\tdescription \"Configures a file as the destination for logging entries.\t\t\t\t The file is created in /var/log/user. Log entries that match\t\t\t   the specified facility and level values will be sent to the\t\t\t   system console.\";\t\t}\t\tlist user {\t\t\tconfigd:help \"Logging to specific user's terminal\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/syslog/user/configd validate1.cli\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern '[a-zA-Z][a-zA-Z0-9 -]*' {\t\t\t\t\t\tconfigd:error-message \"invalid user name $VAR(@)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Logging to specific user's terminal\";\t\t\t\tdescription \"Logging will be sent to the user's terminal indicated\t\t\t\t   by this username.\";\t\t\t}\t\t\tuses facility;\t\t\tdescription \"Configures a logged in users terminal as a destination for\t\t\t   logging entries. Log entries that match the specified facility\t\t\t   and level values will be sent to the system console.\";\t\t}\t\tcontainer console {\t\t\tpresence \"Enable console\";\t\t\tconfigd:help \"Logging to system console\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/syslog/console/configd validate1.cli\";\t\t\tuses facility;\t\t\tdescription \"Configures the system console as a destination for logging entries.\t\t\t   Log entries that match the specified facility and level values\t\t\t   will be sent to the system console.\";\t\t}\t}\taugment /system:system {\t\tuses syslog-base;\t}\taugment /system:system/syslog {\t\tuses syslog-global;\t\tuses syslog-remote;\t\tuses syslog-local;\t}}</module<module name=\"vyatta-system-acm-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-acm:1\" revision=\"2016-03-25\" format=\"yang\" length=\"875\"module vyatta-system-acm-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-acm:1\";\tprefix vyatta-system-acm-v1;\timport vyatta-system-v1 {\tprefix system;\t}\timport configd-v1 {\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t This module implements vyatta-system-acm-v1.\";\trevision 2016-03-25 {\t\tdescription \"Only run config rule-set update\";\t}\trevision 2015-08-05 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /system:system {\t\tcontainer acm {\t\t\tconfigd:help \"Access Control Management\";\t\t\tconfigd:end \"vyatta-update-configruleset.pl\";\t\t}\t}}</module<module name=\"vyatta-protocols-igmp-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-igmp-routing-instance:1\" revision=\"2016-04-22\" format=\"yang\" length=\"1041\"module vyatta-protocols-igmp-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-igmp-routing-instance:1\";\tprefix vyatta-protocols-igmp-routing-instance-v1;\timport configd-v1 {\tprefix configd;\t}\timport vyatta-routing-v1 {\tprefix routing;\t}\timport vyatta-protocols-igmp-v1 {\tprefix igmp;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-igmp-routing-instance-v1\";\trevision 2016-04-22 {\t\tdescription \"Add Routing Instance support for multicast \t\t\tAugment /routing/routing-instance/protocols\";\t}\taugment /routing:routing/routing:routing-instance/routing:protocols {\t\tuses igmp:igmp-parameters {\t\t\trefine igmp {\t\t\t\tconfigd:end \"vyatta-igmp 4 --routing-instance $VAR(../../@)\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-msdp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-msdp:1\" revision=\"2016-07-27\" format=\"yang\" length=\"9464\"module vyatta-protocols-msdp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-msdp:1\";\tprefix vyatta-protocols-msdp-v1;\timport vyatta-types-v1 {\tprefix types;\t}\timport vyatta-protocols-v1 {\tprefix protocols;\t}\timport configd-v1 {\tprefix configd;\t}\timport vyatta-policy-v1 {\tprefix policy;\t}\timport vyatta-policy-route-v1 {\tprefix policy-route;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-msdp-v1\";\trevision 2016-07-27 {\t\tdescription \"Add SA-holdtime to allow control of waiting time before discarding stale SA messages\t\tAdd SA-limit to allow control of maximum number of SA messages cached by a particular peer\t\tAdd SA-cache to allow control of SA message cache size\";\t}\trevision 2016-03-16 {\t\tdescription \"Add leafrefs and must statements to replace local-only validation\";\t}\trevision 2015-07-28 {\t\tdescription \"Initial revision, replacing vyatta-protocols-msdp\";\t\tconfigd:migration 1;\t}\ttypedef prefix-list-name {\t\ttype leafref {\t\t\tpath

```
\"/policy:policy/policy-route:route/policy-route:prefix-list/policy-route:tagnode\";\t\t}\t}\t// TODO this
could/should be provided in vyatta-types\ttypedef non-loop-ipv4-address {\t\ttype types:ipv4-address
{\t\t\tpattern '(([0-9]|[1-9][0-9]|1([0-13-9][0-9]|2[0-68-9])|2[0-4][0-9]|25[0-5])\\.).+';\t\t\tconfig:help
\"IPv4 Address, except localhost\";\t\t\tconfigd:pattern-help \"!<127.x.x.x>\";\t\t}\t}\tgrouping filter-
lists {\t\tleaf access-list {\t\t\ttype uint32 {\t\t\t\trange \"100..199 | 2000..2699\";\t\t\t}\t\t\tmust
\"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\"
{\t\t\t\terror-message \"access-list has not been configured\";\t\t\t}\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/msdp/access-list allowed.sh\";\t\t}\t\tleaf rp-list {\t\t\ttype
prefix-list-name;\t\t}\t}\tgrouping export-grouping {\t\tcontainer export {\t\t\tuses filter-lists
{\t\t\t\trefine access-list {\t\t\t\t\tconfigd:help \"Filter cache entry advertisements by
(S,G)\";\t\t\t\t}\t\t\t\trefine rp-list {\t\t\t\t\tconfigd:help \"prefix-list filtering cache entry
advertisements by RP address\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping import-grouping {\t\tcontainer import
{\t\t\tuses filter-lists {\t\t\t\trefine access-list {\t\t\t\t\tconfigd:help \"Filter creation of cache
entries by (S,G)\";\t\t\t\t}\t\t\t\trefine rp-list {\t\t\t\t\tconfigd:help \"prefix-list filtering cache
entry creation by RP address\";\t\t\t\t}\t\t\t}\t\t}\t}\t/*\t * This grouping is not intended for use outside
of this model as it\t * contains a leafref which uses a relative path.\t */\tgrouping peer-list {\t\tleaf-
list peer {\t\t\tordered-by \"user\";\t\t\tconfigd:help \"IP address of a peer in the group\";\t\t\ttype
leafref {\t\t\t\tpath \"../../peer/address\";\t\t\t}\t\t}\t}\t// The common parameters for both peer and
peer-group configuration\tgrouping common-peer-parameters {\t\tleaf holdtime {\t\t\ttype uint32
{\t\t\t\trange 3..75;\t\t\t}\t\t\tconfigd:help \"Wait time for keep alive messages before declaring the peer
down\";\t\t}\t\tleaf connect-retry {\t\t\ttype uint32 {\t\t\t\trange 1..60;\t\t\t}\t\t\tconfigd:help \"Period
between attempts to re-establish peer connection\";\t\t}\t\tleaf shutdown {\t\t\ttype
empty;\t\t\tconfigd:help \"Administratively shut down the peer\";\t\t}\t\tleaf keepalive {\t\t\ttype uint32
{\t\t\t\trange 1..60;\t\t\t}\t\t\tconfigd:help \"Period at which keep alive messages will be
sent\";\t\t}\t\tleaf sa-limit {\t\t\ttype uint32 {\t\t\t\trange 0..10000;\t\t\t}\t\t\tconfigd:help \"Maximum
number of cached SA messages\";\t\t\tdescription\t\t\t\t\"The value of sa-limit sets a limit to the maximum
number of SA messages cached for a particular peer.\t\t\t\tWhen the limit is reached any further messages
received are discarded until the current total is reduced.\t\t\t\tThe default value is set at the cache limit
(for all peers).\";\t\t}\t\tuses export-grouping;\t\tuses import-grouping;\t}\tgrouping msdp-parameters
{\t\tcontainer msdp {\t\t\tconfigd:priority 790;\t\t\tconfigd:help \"Multicast Source Discovery Protocol
(MSDP)\";\t\t\tlist peer {\t\t\t\tconfigd:help \"Configure an MSDP peer\";\t\t\t\tkey
\"address\";\t\t\t\tunique \"default-peer/priority\";\t\t\t\tleaf address {\t\t\t\t\ttype non-loop-ipv4-
address;\t\t\t\t}\t\t\t\tuses common-peer-parameters {\t\t\t\t\trefine holdtime {\t\t\t\t\t\tdefault
75;\t\t\t\t\t}\t\t\t\t\trefine connect-retry {\t\t\t\t\t\tdefault 30;\t\t\t\t\t}\t\t\t\t\trefine keepalive
{\t\t\t\t\t\tdefault 60;\t\t\t\t\t}\t\t\t\t\trefine sa-limit {\t\t\t\t\t\tdefault
10000;\t\t\t\t\t}\t\t\t\t\trefine export {\t\t\t\t\t\tconfigd:help \"Configure which (S,G)s will be
advertised to the peer\";\t\t\t\t\t}\t\t\t\t\trefine import {\t\t\t\t\t\tconfigd:help \"Configure which
(S,G)s which will be accepted from the peer\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer default-peer
{\t\t\t\t\tpresence \"Peer is configured as a default\";\t\t\t\t\tconfigd:help \"Skip RPF check for SA
messages from this peer\";\t\t\t\t\tleaf priority {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange
1..2000;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Configure priority for default
peer\";\t\t\t\t\t}\t\t\t\t\tleaf prefix-list {\t\t\t\t\t\ttype prefix-list-name;\t\t\t\t\t\tconfigd:help
\"Specify RP prefixes that the peer will be default for\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf local-
address {\t\t\t\t\ttype non-loop-ipv4-address;\t\t\t\t\tmust \"current() != ../address\" {\t\t\t\t\t\terror-
message \"local-address cannot be the same as the peer address\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"IPv4
address used for the connection to the MSDP peer\";\t\t\t\t}\t\t\t\tleaf password {\t\t\t\t\ttype
string {\t\t\t\t\t\tlength 1..80;\t\t\t\t\t}\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\tconfigd:help
\"Password for the peer\";\t\t\t\t}\t\t\t}\t\t\tlist peer-group {\t\t\t\tconfigd:help \"Configure
an MSDP peer-group (peers share common parameters)\";\t\t\t\tkey \"name\";\t\t\t\tleaf name {\t\t\t\t\ttype
string;\t\t\t\t}\t\t\t\tuses peer-list {\t\t\t\t\trefine peer {\t\t\t\t\t\tmust \"count(../../peer-
group/peer[. = current()]) = 1\" {\t\t\t\t\t\t\terror-message \"A peer cannot be a member of multiple peer-
groups\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t\t// Refine the help messages so they are correct for
a peer group\t\t\t\tuses common-peer-parameters {\t\t\t\t\trefine holdtime {\t\t\t\t\t\tconfigd:help \"Wait
time for keep alive messages before declaring a peer down\";\t\t\t\t\t}\t\t\t\t\trefine shutdown
{\t\t\t\t\t\tconfigd:help \"Administratively shut down all peers in the group\";\t\t\t\t\t}\t\t\t\t\trefine
export {\t\t\t\t\t\tconfigd:help \"Configure which (S,G)s will be advertised to members of the peer
group\";\t\t\t\t\t}\t\t\t\t\trefine import {\t\t\t\t\t\tconfigd:help \"Configure which (S,G)s which
will be accepted from members of the peer group\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tuses export-grouping
{\t\t\t\t\trefine export {\t\t\t\t\t\tconfigd:help \"Configure which (S,G)s may be advertised to any
peer\";\t\t\t\t\t}\t\t\t}\t\t\t\tuses import-grouping {\t\t\t\t\trefine import {\t\t\t\t\t\tconfigd:help \"Configure
which (S,G)s may be accepted from any peer\";\t\t\t\t\t}\t\t\t}\t\t\t\tleaf originated-id {\t\t\t\t\ttype non-loop-
ipv4-address;\t\t\t\t\tconfigd:help \"Override RP address sent in SA messages\";\t\t\t}\t\t\t\tlist mesh-
group {\t\t\t\tconfigd:help \"Configure MSDP peers to be members of a mesh group\";\t\t\t\tkey
\"name\";\t\t\t\tleaf name {\t\t\t\t\ttype string;\t\t\t\t}\t\t\t\tuses peer-list {\t\t\t\t\trefine peer
{\t\t\t\t\t\tmin-elements 1;\t\t\t\t\t}\t\t\t}\t\t\t\tleaf-list log {\t\t\t\tconfigd:help
\"Configure MSDP logging\";\t\t\t\ttype enumeration {\t\t\t\t\tenum all {\t\t\t\t\t\tconfigd:help \"Enable
all logs\";\t\t\t\t}\t\t\t\t\tenum bgp {\t\t\t\t\t\tconfigd:help \"Enable bgp
logs\";\t\t\t\t}\t\t\t\t\tenum cache {\t\t\t\t\t\tconfigd:help \"Enable cache
logs\";\t\t\t\t}\t\t\t\t\tenum events {\t\t\t\t\t\tconfigd:help \"Enable events
logs\";\t\t\t\t}\t\t\t\t\tenum fsm {\t\t\t\t\t\tconfigd:help \"Enable fsm logs\";\t\t\t\t}\t\t\t\t\tenum
other {\t\t\t\t\t\tconfigd:help \"Enable other logs\";\t\t\t\t}\t\t\t\t\tenum packet
{\t\t\t\t\t\tconfigd:help \"Enable packet logs\";\t\t\t\t}\t\t\t\t\tenum pim {\t\t\t\t\t\tconfigd:help
\"Enable pim logs\";\t\t\t\t}\t\t\t\t\tenum rpfcheck {\t\t\t\t\t\tconfigd:help \"Enable rpfcheck
logs\";\t\t\t\t}\t\t\t\t\tenum snmp {\t\t\t\t\t\tconfigd:help \"Enable snmp
logs\";\t\t\t\t}\t\t\t}\t\t\t\tleaf sa-holdtime {\t\t\t\ttype uint32 {\t\t\t\t\trange
63..600;\t\t\t\t}\t\t\t\tconfigd:help \"Wait time for refresh of SA messages before
discarding\";\t\t\t\tdescription\t\t\t\t\"Cached SA messages are held\t\t\t\tfor a period of time
before\t\t\t\tbeing discarded if not\t\t\t\trefreshed by a peer.  Peer\t\t\t\trefresh period for
SA\t\t\t\tmessages,\t\t\t\t'SA-Advertisement-Period', is\t\t\t\t60 seconds.\t\t\t\tThe minimum value
for\t\t\t\t'sa-holdtime' must be greater\t\t\t\tthan 'SA-Advertisement-Period'\t\t\t\tplus an
additional\t\t\t\t'SA-Hold-Down-Period'.\t\t\t\tThe value of 'sa-holdtime'\t\t\t\tshould be carefully
chosen to\t\t\t\tavoid frequent flooding of the\t\t\t\tnetwork with
SA\t\t\t\tadvertisements\";\t\t\t\tdefault \"240\";\t\t\t}\t\t\tleaf sa-cache {\t\t\t\ttype uint32
{\t\t\t\t\trange 1..10000;\t\t\t\t}\t\t\t\tconfigd:help \"Configure maximum number of cached SA
```

messages\";\t\t\t\tdescription\t\t\t\t\t\"SA messages are held in a cache for a period of time before being discarded if \t\t\t\tnot refreshed by a peer.\t\t\t\tThe value of 'sa-cache' should be chosen to trade off memory usage whilst \t\t\t\tavoiding frequent flooding of the network with SA advertisements due to cache \t\t\t\tmisses\";\t\t\t\tdefault \"10000\";\t\t\t}\t\t}\t}\taugment /protocols:protocols {\t\tuses msdp-parameters {\t\t\trefine msdp {\t\t\t\tconfigd:validate \"vyatta-msdp-validate\";\t\t\t\tconfigd:end \"vyatta-msdp-configure\";\t\t\t}\t\t\trefine msdp/peer {\t\t\t\tconfigd:validate \"vyatta-msdp-validate -- --level peer --param $VAR(@)\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-xconnect-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-xconnect:1\" revision=\"2016-06-17\" format=\"yang\" length=\"2077\"module vyatta-xconnect-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-xconnect:1\";\tprefix vyatta-xconnect-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t \t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-xconnect-v1\";\trevision 2016-06-17 {\t\tdescription \"Add configd pattern help for vhost interface.\";\t}\trevision 2016-03-16 {\t\tdescription \"Single quote the regex patterns\";\t}\trevision 2015-12-07 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping xconnect-if-binding {\t\tcontainer xconnect {\t\t\tconfigd:help \"Cross-Connect Interface Binding\";\t\t\tconfigd:priority \"525\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/dataplane/xconnect/configd_end.sh\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dataplane/xconnect/configd validate.cli\";\t\t\tleaf ttl {\t\t\t\ttype uint8 {\t\t\t\t\trange 1..127;\t\t\t}\t\t\t\tconfigd:help \"TTL value\";\t\t\t}\t\t\tleaf l2tpeth {\t\t\t\ttype string {\t\t\t\t\tpattern 'lttp[0-9]+';\t\t\t\t\tconfigd:pattern-help \"<lttpN>\";\t\t\t}\t\t\t\tconfigd:help \"L2tpeth interface name\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dataplane/xconnect/l2tpeth/configd_validate1.cli\";\t\t\t}\t\t\tleaf dataplane {\t\t\t\tconfigd:help \"Dataplane interface name\";\t\t\t\ttype union {\t\t\t\t   type interfaces-dataplane:dataplane-ifname;\t\t\t\t   type interfaces-dataplane:dataplane-vifname;\t\t\t}\t\t\t}\t\t\tleaf vhost {\t\t\t\tconfigd:help \"Virtio vhost devices\";\t\t\t\ttype union {\t\t\t\t   type string {\t\t\t\t   \t pattern 'dp[0-9]+vhost[0-9]+';\t\t\t\t   \t configd:pattern-help \"<dpNvhostN>\";\t\t\t\t   }\t\t\t\t   type string {\t\t\t\t   \t pattern 'dp[0-9]+vhost[0-9]+\\.[1-9][0-9]*';\t\t\t\t   \t configd:pattern-help \"<dpNvhostN.N>\";\t\t\t\t   }\t\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-protocols-mpls-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-mpls:1\" revision=\"2015-07-28\" format=\"yang\" length=\"1583\"module vyatta-protocols-mpls-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-mpls:1\";\tprefix protocols-mpls;\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-mpls-v1\";\trevision 2015-07-28 {\t\tdescription \"Initial revision.\";\t}\ttypedef mpls-label-unreserved {\t\ttype uint32 {\t\t\trange 16..1048575;\t\t}\t\tdescription \"MPLS label range of unreserved values\";\t}\taugment /protocols:protocols {\t\tcontainer mpls {\t\t\tconfigd:priority \"600\";\t\t\tconfigd:help \"MPLS infrastructure\";\t\t\tconfigd:end \"vyatta-mpls.pl --main\";\t\t\tcontainer label-range {\t\t\t\tconfigd:help \"Create the label space\";\t\t\t\tleaf maximum-label-value {\t\t\t\t\tconfigd:help \"Specify maximum label value\";\t\t\t\t\ttype mpls-label-unreserved;\t\t\t\t\tdefault 1048575;\t\t\t\t}\t\t\t\tleaf minimum-label-value {\t\t\t\t\tconfigd:help \"Specify minimum label value\";\t\t\t\t\ttype mpls-label-unreserved;\t\t\t\t\tdefault 16;\t\t\t\t}\t\t\t\tmust \"minimum-label-value < maximum-label-value\";\t\t\t}\t\t\tleaf disable-ip-propagate-ttl {\t\t\t\tconfigd:help \"Disable propagate IP TTL\";\t\t\t\ttype empty;\t\t\t}\t\t\tleaf default-ttl {\t\t\t\tconfigd:help \"Default TTL when not propagating IP TTL\";\t\t\t\ttype uint8;\t\t\t\tdefault 255;\t\t\t}\t\t}\t}}</module><module name=\"ietf-yang-types\"uri=\"urn:ietf:params:xml:ns:yang:ietf-yang-types\" revision=\"2013-07-15\" format=\"yang\" length=\"17933\"module ietf-yang-types { namespace \"urn:ietf:params:xml:ns:yang:ietf-yang-types\"; prefix \"yang\"; organization \"IETF NETMOD (NETCONF Data Modeling Language) Working Group\"; contact   \"WG Web: <http://tools.ietf.org/wg/netmod/> WG List: <mailto:netmod@ietf.org> WG Chair: David Kessens <mailto:david.kessens@nsn.com> WG Chair: Juergen Schoenwaelder <mailto:j.schoenwaelder@jacobs-university.de> Editor: Juergen Schoenwaelder <mailto:j.schoenwaelder@jacobs-university.de>\"; description \"This module contains a collection of generally useful derived YANG data types. Copyright (c) 2013 IETF Trust and the persons identified as authors of the code. All rights reserved. Redistribution and use in source and binary forms, with or without modification, is permitted pursuant to, and subject to the license terms contained in, the Simplified BSD License set forth in Section 4.c of the IETF Trust's Legal Provisions Relating to IETF Documents (http://trustee.ietf.org/license-info). This version of this YANG module is part of RFC 6991; see the RFC itself for full legal notices.\"; revision 2013-07-15 { description \"This revision adds the following new data types: - yang-identifier - hex-string - uuid - dotted-quad\"; reference \"RFC 6991: Common YANG Data Types\"; } revision 2010-09-24 { description \"Initial revision.\"; reference \"RFC 6021: Common YANG Data Types\"; } /*** collection of counter and gauge types ***/ typedef counter32 { type uint32; description \"The counter32 type represents a non-negative integer that monotonically increases until it reaches a maximum value of 2^32-1 (4294967295 decimal), when it wraps around and starts increasing again from zero. Counters have no defined 'initial' value, and thus, a single value of a counter has (in general) no information content. Discontinuities in the monotonically increasing value normally occur at re-initialization of the management system, and at other times as specified in the description of a schema node using this type. If such other times can occur, for example, the creation of a schema node of type counter32 at times other than re-initialization, then a corresponding schema node should be defined, with an appropriate type, to indicate the last discontinuity. The counter32 type should not be used for configuration schema nodes. A default statement SHOULD NOT be used in combination with the type counter32. In the value set and its semantics, this type is equivalent to the Counter32 type of the SMIv2.\"; reference \"RFC 2578: Structure of Management Information Version 2 (SMIv2)\"; } typedef zero-based-counter32 { type yang:counter32; default \"0\"; description \"The zero-based-counter32 type represents a counter32 that has the defined 'initial' value zero. A schema node of this type will be set to zero (0) on creation and will thereafter increase monotonically until it reaches a maximum value of 2^32-1 (4294967295 decimal), when it wraps around and starts increasing again from zero. Provided that an application discovers a new schema node of this type within the minimum time to wrap, it can use the 'initial' value as a delta. It is important for a management station to be aware of this minimum time and the actual time between polls, and to

discard data if the actual time is too   long or there is no defined minimum time.   In the value set and its semantics, this type is equivalent   to the ZeroBasedCounter32 textual convention of the SMIv2.\"; reference   \"RFC 4502: Remote Network Monitoring Management Information   Base Version 2\"; } typedef counter64 {   type uint64;   description   \"The counter64 type represents a non-negative integer   that monotonically increases until it reaches a   maximum value of 2^64-1 (18446744073709551615 decimal),   when it wraps around and starts increasing again from zero. Counters have no defined 'initial' value, and thus, a   single value of a counter has (in general) no information   content. Discontinuities in the monotonically increasing   value normally occur at re-initialization of the   management system, and at other times as specified in the   description of a schema node using this type. If such   other times can occur, for example, the creation of   a schema node of type counter64 at times other than   re-initialization, then a corresponding schema node should be defined, with an appropriate type, to indicate   the last discontinuity.   The counter64 type should not be used for configuration   schema nodes. A default statement SHOULD NOT be used in combination with the type counter64.   In the value set and its semantics, this type is equivalent   to the Counter64 type of the SMIv2.\";   reference   \"RFC 2578: Structure of Management Information Version 2   (SMIv2)\"; } typedef zero-based-counter64 {   type yang:counter64;   default \"0\"; description   \"The zero-based-counter64 type represents a counter64 that   has the defined 'initial' value zero.   A schema node of this type will be set to zero (0) on creation   and will thereafter increase monotonically until it reaches   a maximum value of 2^64-1 (18446744073709551615 decimal), when it wraps around and starts increasing again from zero.   Provided that an application discovers a new schema node   of this type within the minimum time to wrap, it can use the   'initial' value as a delta. It is important for a management   station to be aware of this minimum time and the actual time between polls, and to discard data if the actual time is too   long or there is no defined minimum time. In the value set and its semantics, this type is equivalent   to the ZeroBasedCounter64 textual convention of the SMIv2.\";   reference   \"RFC 2856: Textual Conventions for Additional High Capacity Data Types\"; } typedef gauge32 {   type uint32;   description   \"The gauge32 type represents a non-negative integer, which   may increase or decrease, but shall never exceed a maximum   value, nor fall below a minimum value. The maximum value   cannot be greater than 2^32-1 (4294967295 decimal), and the minimum value cannot be smaller than 0. The value of   a gauge32 has its maximum value whenever the information   being modeled is greater than or equal to its maximum   value, and has its minimum value whenever the information   being modeled is smaller than or equal to its minimum value.   If the information being modeled subsequently decreases   below (increases above) the maximum (minimum) value, the   gauge32 also decreases (increases).   In the value set and its semantics, this type is equivalent to the Gauge32 type of the SMIv2.\";   reference   \"RFC 2578: Structure of Management Information Version 2   (SMIv2)\"; } typedef gauge64 {   type uint64;   description   \"The gauge64 type represents a non-negative integer, which   may increase or decrease, but shall never exceed a maximum value, nor fall below a minimum value. The maximum value   cannot be greater than 2^64-1 (18446744073709551615), and   the minimum value cannot be smaller than 0. The value of   a gauge64 has its maximum value whenever the information   being modeled is greater than or equal to its maximum value, and has its minimum value whenever the information   being modeled is smaller than or equal to its minimum value.   If the information being modeled subsequently decreases   below (increases above) the maximum (minimum) value, the   gauge64 also decreases (increases).   In the value set and its semantics, this type is equivalent   to the CounterBasedGauge64 SMIv2 textual convention defined   in RFC 2856\";   reference   \"RFC 2856: Textual Conventions for Additional High Capacity   Data Types\"; } /*** collection of identifier-related types ***/ typedef object-identifier {   type string { pattern '(([0-1](\\.[1-3]?[0-9]))|(2\\.(0|([1-9]\\d*))))'   + '(\\.(0|([1-9]\\d*)))*'; } description   \"The object-identifier type represents administratively   assigned names in a registration-hierarchical-name tree.   Values of this type are denoted as a sequence of numerical non-negative sub-identifier values. Each sub-identifier   value MUST NOT exceed 2^32-1 (4294967295). Sub-identifiers   are separated by single dots and without any intermediate   whitespace.   The ASN.1 standard restricts the value space of the first   sub-identifier to 0, 1, or 2. Furthermore, the value space   of the second sub-identifier is restricted to the range   0 to 39 if the first sub-identifier is 0 or 1. Finally,   the ASN.1 standard requires that an object identifier   has always at least two sub-identifiers. The pattern   captures these restrictions.   Although the number of sub-identifiers is not limited,   module designers should realize that there may be   implementations that stick with the SMIv2 limit of 128   sub-identifiers.   This type is a superset of the SMIv2 OBJECT IDENTIFIER type   since it is not restricted to 128 sub-identifiers. Hence,   this type SHOULD NOT be used to represent the SMIv2 OBJECT   IDENTIFIER type; the object-identifier-128 type SHOULD be   used instead.\";   reference   \"ISO9834-1: Information technology -- Open Systems   Interconnection -- Procedures for the operation of OSI   Registration Authorities: General procedures and top   arcs of the ASN.1 Object Identifier tree\"; } typedef object-identifier-128 {   type object-identifier { pattern '\\d*(\\.\\d*){1,127}'; }   description   \"This type represents object-identifiers restricted to 128   sub-identifiers.   In the value set and its semantics, this type is equivalent   to the OBJECT IDENTIFIER type of the SMIv2.\";   reference   \"RFC 2578: Structure of Management Information Version 2   (SMIv2)\"; } typedef yang-identifier {   type string {   length \"1..max\"; pattern '[a-zA-Z][a-zA-Z0-9\\- .]*';   pattern '.|..|[^xX].*|.[^mM].*|..[^lL].*'; } description \"A YANG identifier string as defined by the 'identifier'   rule in Section 12 of RFC 6020. An identifier must   start with an alphabetic character or an underscore   followed by an arbitrary sequence of alphabetic or   numeric characters, underscores, hyphens, or dots.   A YANG identifier MUST NOT start with any possible   combination of the lowercase or uppercase character   sequence 'xml'.\";   reference   \"RFC 6020: YANG - A Data Modeling Language for the Network Configuration Protocol (NETCONF)\"; } /*** collection of types related to date and time***/ typedef date-and-time {   type string {   pattern '\\d{4}-\\d{2}-\\d{2}T\\d{2}:\\d{2}:\\d{2}(\\.\\d+)?'   + '(Z|[\\+\\-]\\d{2}:\\d{2})'; }   description   \"The date-and-time type is a profile of the ISO 8601 standard for representation of dates and times using the   Gregorian calendar. The profile is defined by the   date-time production in Section 5.6 of RFC 3339.   The date-and-time type is compatible with the dateTime XML   schema type with the following notable exceptions: (a) The date-and-time type does not allow negative years.   (b) The date-and-time time-offset -00:00 indicates an unknown   time zone (see RFC 3339) while -00:00 and +00:00 and Z   all represent the same time zone in dateTime.   (c) The canonical format (see below) of data-time values   differs from the canonical format used by the dateTime XML   schema type, which requires all times to be in UTC using   the time-offset 'Z'.   This type is not equivalent to the DateAndTime textual   convention of the SMIv2 since RFC 3339 uses a different   separator between full-date and full-time and provides   higher resolution of time-secfrac.   The canonical format for date-and-time values with a known time   zone uses a numeric time

zone offset that is calculated using   the device's configured known offset to UTC time. A change of the device's offset to UTC time will cause date-and-time values   to change accordingly. Such changes might happen periodically   in case a server follows automatically daylight saving time   (DST) time zone offset changes. The canonical format for   date-and-time values with an unknown time zone (usually referring to the notion of local time) uses the time-offset   -00:00.\";   reference   \"RFC 3339: Date and Time on the Internet: Timestamps   RFC 2579: Textual Conventions for SMIv2   XSD-TYPES: XML Schema Part 2: Datatypes Second Edition\"; } typedef timeticks {   type uint32;   description   \"The timeticks type represents a non-negative integer that   represents the time, modulo 2^32 (4294967296 decimal), in   hundredths of a second between two epochs. When a schema   node is defined that uses this type, the description of   the schema node identifies both of the reference epochs.   In the value set and its semantics, this type is equivalent   to the TimeTicks type of the SMIv2.\";   reference \"RFC 2578: Structure of Management Information Version 2   (SMIv2)\"; } typedef timestamp {   type yang:timeticks;   description   \"The timestamp type represents the value of an associated   timeticks schema node at which a specific occurrence   happened. The specific occurrence must be defined in the   description of any schema node defined using this type. When   the specific occurrence occurred prior to the last time the   associated timeticks attribute was zero, then the timestamp   value is zero. Note that this requires all timestamp values   to be reset to zero when the value of the associated timeticks   attribute reaches 497+ days and wraps around to zero.   The associated timeticks schema node must be specified   in the description of any schema node using this type.   In the value set and its semantics, this type is equivalent   to the TimeStamp textual convention of the SMIv2.\";   reference   \"RFC 2579: Textual Conventions for SMIv2\"; } /*** collection of generic address types ***/ typedef phys-address {   type string {   pattern '([0-9a-fA-F]{2}(:[0-9a-fA-F]{2})*)?';   } description   \"Represents media- or physical-level addresses represented   as a sequence octets, each octet represented by two hexadecimal   numbers. Octets are separated by colons. The canonical   representation uses lowercase characters.   In the value set and its semantics, this type is equivalent   to the PhysAddress textual convention of the SMIv2.\";   reference   \"RFC 2579: Textual Conventions for SMIv2\"; } typedef mac-address {   type string {   pattern '[0-9a-fA-F]{2}(:[0-9a-fA-F]{2}){5}';   } description   \"The mac-address type represents an IEEE 802 MAC address.   The canonical representation uses lowercase characters.   In the value set and its semantics, this type is equivalent   to the MacAddress textual convention of the SMIv2.\";   reference   \"IEEE 802: IEEE Standard for Local and Metropolitan Area   Networks: Overview and Architecture   RFC 2579: Textual Conventions for SMIv2\"; } /*** collection of XML-specific types ***/ typedef xpath1.0 {   type string;   description \"This type represents an XPATH 1.0 expression.   When a schema node is defined that uses this type, the   description of the schema node MUST specify the XPath   context in which the XPath expression is evaluated.\";   reference   \"XPATH: XML Path Language (XPath) Version 1.0\"; } /*** collection of string types ***/ typedef hex-string {   type string {   pattern '([0-9a-fA-F]{2}(:[0-9a-fA-F]{2})*)?';   } description   \"A hexadecimal string with octets represented as hex digits   separated by colons. The canonical representation uses   lowercase characters.\"; } typedef uuid {   type string {   pattern '[0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-'   + '[0-9a-fA-F]{4}-[0-9a-fA-F]{12}';   } description   \"A Universally Unique IDentifier in the string representation   defined in RFC 4122. The canonical representation uses   lowercase characters.   The following is an example of a UUID in string representation: f81d4fae-7dec-11d0-a765-00a0c91e6bf6   \";   reference   \"RFC 4122: A Universally Unique IDentifier (UUID) URN   Namespace\"; } typedef dotted-quad {   type string {   pattern   '(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\.){3}'   + '([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])';   }   description   \"An unsigned 32-bit number expressed in the dotted-quad   notation, i.e., four octets written as decimal numbers   and separated with the '.' (full stop) character.\"; }}</module<module name=\"vyatta-op-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-op-routing-instance:1\" revision=\"2016-04-12\" format=\"yang\" length=\"1003\"module vyatta-op-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-op-routing-instance:1\";\tprefix vyatta-op-routing-instance-v1;\timport vyatta-routing-v1 {\t\tprefix routing;\t}\timport vyatta-op-v1 {\t\tprefix op;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-op-routing-instance-v1-yang to augment\t\t 'routing-instance' option to vyatta-op's RPCs\";\trevision 2016-04-12 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping routing-instance-option {\t\tleaf routing-instance {\t\t\ttype routing:routing-instance-name;\t\t\tdescription \"Routing Instance used to qualify the route to a remote object (URI)\";\t\t}\t}\taugment /op:ping/op:input {\t\tuses routing-instance-option;\t}}</module<module name=\"vyatta-op-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-op:1\" revision=\"2015-08-14\" format=\"yang\" length=\"3350\"module vyatta-op-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-op:1\";\tprefix vyatta-op-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.   Supported RPC calls.\t\t Do not add anything to this file.\";\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\trpc ping {\t\tdescription \"Generates Ping and return response\";\t\tinput {\t\t\tleaf host {\t\t\t\ttype union {\t\t\t\t\ttype types:ip-address;\t\t\t\t\ttype types:domain-name;\t\t\t}\t\t\t\tmandatory true;\t\t\t}\t\t\tleaf count {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..30;\t\t\t\t}\t\t\t\tdefault 3;\t\t\t\tdescription \"Number of ping echo request message to send\";\t\t\t}\t\t\tleaf ttl {\t\t\t\ttype uint8;\t\t\t\tdefault \"255\";\t\t\t\tdescription \"IP Time To Live\";\t\t\t}\t\t}\t\toutput {\t\t\tleaf tx-packet-count {\t\t\t\ttype uint32;\t\t\t\tdescription \"Transmitted Packet count\";\t\t\t}\t\t\tleaf rx-packet-count {\t\t\t\ttype uint32;\t\t\t\tdescription \"Received packet count\";\t\t\t}\t\t\tleaf min-delay {\t\t\t\ttype uint32;\t\t\t\tunits \"milliseconds\";\t\t\t\tdescription \"Minimum packet delay\";\t\t\t}\t\t\tleaf average-delay {\t\t\t\ttype uint32;\t\t\t\tunits \"milliseconds\";\t\t\t\tdescription \"Average packet delay\";\t\t\t}\t\t\tleaf max-delay {\t\t\t\ttype uint32;\t\t\t\tunits \"millisecond\";\t\t\t\tdescription \"Minimum packet delay\";\t\t\t}\t\t}\t\tconfigd:call-rpc \"/opt/vyatta/bin/yangop-ping.pl\";\t}\trpc interface {\t\tinput {\t\t\tleaf name {\t\t\t\ttype string {\t\t\t\t\tlength 1..16;\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tdescription \"Interface name to query\";\t\t\t}\t\t}\t\toutput {\t\t\tlist address {\t\t\t\tkey ip;\t\t\t\tleaf ip {\t\t\t\t\ttype types:ip-prefix;\t\t\t\t\tdescription \"Interface IP address\";\t\t\t\t}\t\t\t}\t\t\tleaf admin-status {\t\t\t\ttype enumeration {\t\t\t\t\tenum up;\t\t\t\t\tenum down;\t\t\t\t\tenum testing;\t\t\t\t}\t\t\t\tdescription \"Interface's desired state\";\t\t\t}\t\t\tleaf oper-status {\t\t\t\ttype enumeration {\t\t\t\t\tenum up;\t\t\t\t\tenum down;\t\t\t\t\tenum testing;\t\t\t\t\tenum unknown;\t\t\t\t\tenum dormant;\t\t\t\t\tenum notpresent;\t\t\t\t\tenum

lowerlayerdown;\t\t\t\t}\t\t\t\tdescription \"Interface's current operational state\";\t\t\t}\t\t\t\tleaf description {\t\t\t\tttype string;\t\t\t\tdescription \"Interface description\";\t\t\t}\t\t}\t\tconfigd:call-rpc \"/opt/vyatta/bin/yangop-interface.pl\";\t}\trpc route {\t\ttypedef destination {\t\t\tttype union {\t\t\t\tttype types:ip-address;\t\t\t\tttype types:ip-prefix;\t\t\t}\t\t}\t\tinput {\t\t\tleaf family {\t\t\t\tttype enumeration {\t\t\t\t\tenum ipv4;\t\t\t\t\tenum ipv6;\t\t\t\t}\t\t\t\tdefault ipv4;\t\t\t}\t\t\tleaf destination {\t\t\t\tttype destination;\t\t\t\tdescription \"Destination host or network\";\t\t\t}\t\t}\t\toutput {\t\t\tlist route {\t\t\t\tkey destination;\t\t\t\tleaf destination {\t\t\t\t\tttype destination;\t\t\t\t\tdescription \"Destination\";\t\t\t\t}\t\t\t\tleaf source {\t\t\t\t\tttype types:ip-address;\t\t\t\t\tdescription \"Source address\";\t\t\t\t}\t\t\t\tlist path {\t\t\t\t\tkey entry;\t\t\t\t\tleaf entry {\t\t\t\t\t\tttype uint64;\t\t\t\t\t}\t\t\t\t\tleaf device {\t\t\t\t\t\tttype string;\t\t\t\t\t\tdescription \"Device name\";\t\t\t\t\t}\t\t\t\t\tleaf next-hop {\t\t\t\t\t\tttype types:ip-address;\t\t\t\t\t\tdescription \"Next-hop\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t\tconfigd:call-rpc \"/opt/vyatta/bin/yangop-route.pl\";\t}}</module<module name=\"vyatta-protocols-nsm-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-nsm-routing-instance:1\" revision=\"2016-05-18\" format=\"yang\" length=\"1089\"module vyatta-protocols-nsm-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-nsm-routing-instance:1\";\tprefix vyatta-protocols-nsm-routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix routing-instance;\t}\timport vyatta-protocols-nsm-v1 {\t\tprefix nsm;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-nsm-routing-instance-v1\";\trevision 2016-05-18 {\t\tdescription \"Initial revision of Routing-instance support\";\t}\taugment /routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols {\t\tcontainer nsm {\t\t\tconfigd:help \"NSM parameters\";\t\t\tconfigd:priority \"650\";\t\t\tcontainer log {\t\t\t\tconfigd:help \"NSM logging parameters\";\t\t\t\tuses nsm:nsm-log-basic;\t\t\t}\t\t}\t}}</module<module name=\"vyatta-system-package-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-package:1\" revision=\"2016-03-15\" format=\"yang\" length=\"3057\"module vyatta-system-package-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-package:1\";\tprefix vyatta-system-package-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-system-v1 {\t\tprefix system;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Package management configuration\";\trevision 2016-03-15 {\t\tdescription \"Add sources repository (via deb-src) too\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /system:system {\t\tcontainer package {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"400\";\t\t\tconfigd:help \"Package update repository parameters\";\t\t\tleaf auto-sync {\t\t\t\tttype uint32 {\t\t\t\t\trange 0..31 {\t\t\t\t\t\terror-message \"auto-sync must be between 0 and 32 days\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tdefault \"1\";\t\t\t\tconfigd:help \"Update the the repository cache every n days (0 disables auto-update)\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/system/package/auto-sync/configd update1.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/package/auto-sync/configd delete1.cli\";\t\t\t}\t\t\tlist repository {\t\t\t\tconfigd:help \"Debian archive name\";\t\t\t\tconfigd:end \"setup-package-repo --archive=$VAR(@)\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/package/repository/configd_validate1.cli\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/package/repository/configd_validate2.cli\";\t\t\t\tkey \"archive\";\t\t\t\tleaf archive {\t\t\t\t\tttype types:alpha-numeric {\t\t\t\t\t\tconfigd:help \"Debian archive name\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\tttype string;\t\t\t\t\tconfigd:help \"Repository description\";\t\t\t\t}\t\t\t\tleaf password {\t\t\t\t\tttype string {\t\t\t\t\t\tpattern \"[^!]*\" {\t\t\t\t\t\t\terror-message \"Do not use '!' in url\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\tconfigd:help \"Repository password\";\t\t\t\t\tdefault \"\";\t\t\t\t}\t\t\t\tleaf username {\t\t\t\t\tttype string {\t\t\t\t\t\tpattern \"[^!]*\" {\t\t\t\t\t\t\terror-message \"Do not use '!' in url\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Repository username\";\t\t\t\t\tdefault \"\";\t\t\t\t}\t\t\t\tleaf url {\t\t\t\t\tttype string {\t\t\t\t\t\tpattern \"[^!]+\" {\t\t\t\t\t\t\terror-message \"URL must not be null and must not contain '!'\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Repository URL\";\t\t\t\t}\t\t\t\tleaf components {\t\t\t\t\tttype string {\t\t\t\t\t\tpattern \"[^!]+\" {\t\t\t\t\t\t\terror-message \"Do not use '!' in component name\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Repository component names\";\t\t\t\t}\t\t\t\tleaf distribution {\t\t\t\t\tttype string {\t\t\t\t\t\tpattern \"[^!]+\" {\t\t\t\t\t\t\terror-message \"Do not use '!' in distribution name\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Distribution name\";\t\t\t}\t\t\t\tleaf sources {\t\t\t\t\tttype empty;\t\t\t\t\tconfigd:help \"Add sources repository (via deb-src) too\";\t\t\t\t\tdescription \"Add sources repository (via deb-src) too\";\t\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-interfaces-tunnel-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-tunnel:1\" revision=\"2016-06-21\" format=\"yang\" length=\"10143\"module vyatta-interfaces-tunnel-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-tunnel:1\";\tprefix vyatta-interfaces-tunnel-v1;\timport vyatta-dscp-v1 {\t\tprefix dscp;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Tunnel interface configuration\";\trevision 2016-06-21 {\t\tdescription \"Add mutual exclusion between Path MTU Discovery\t\t and Ignore-DF.\";\t}\trevision 2016-04-14 {\t\tdescription \"Add GRE ignore DF feature.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /if:interfaces {\tlist tunnel {\t\tconfigd:priority \"380\";\t\tconfigd:help \"Tunnel interface\";\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/configd create.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/configd_delete.sh\";\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/configd_end.sh\";\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/configd_validate1.cli\";\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/configd validate2.cli\";\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/configd validate3.cli\";\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/configd_validate4.cli\";\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/configd_validate5.cli\";\t\tmust

```
\"not(./parameters/ip/ignore-df) or ./path-mtu-discovery-disable\" {\t\t\t\terror-message \"Ignore DF can't
be enabled while PMTU Discovery is enabled\";\t\t\t}\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype
string {\t\t\t\t\tlength 4..15;\t\t\t\t\tpattern \"tun[0-9]+\";\t\t\t\t\tconfigd:pattern-help
\"<tunN>\";\t\t\t\t}\t\t\t\tconfigd:help \"Tunnel interface name\";\t\t\t}\t\t\t\tcontainer parameters
{\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Tunnel parameters\";\t\t\t\tcontainer ip
{\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"IPv4 specific tunnel parameters\";\t\t\t\t\tleaf ttl
{\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..255 {\t\t\t\t\t\terror-message \"Must be between 0-
255\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Time to live field\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/ttl/configd update.sh\";\t\t\t\t\tconfigd:d
elete
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/ttl/configd_delete.sh\";\t\t\t\t\tconfigd:v
alidate
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/ttl/configd_validate1.cli\";\t\t\t\t}\t\t\t
\t\tleaf key {\t\t\t\t\ttype uint32 {\t\t\t\t\t   configd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/key/configd syntax1.cli\";\t\t\t\t\t}\t\t\t
\t\tconfigd:help \"Tunnel key\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/key/configd_validate1.cli\";\t\t\t\t\tconfi
gd:create
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/key/configd_create1.cli\";\t\t\t\t\tconfigd
:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/key/configd update1.cli\";\t\t\t\t}\t\t\t\t
\tleaf tos {\t\t\t\t\ttype union {\t\t\t\t\t\ttype dscp:dscp-name;\t\t\t\t\t\ttype enumeration
{\t\t\t\t\t\t\tenum \"inherit\" {\t\t\t\t\t\t\tconfigd:help \"Inherit from original IP
header\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\ttype string {\t\t\t\t\t\tpattern \"[0-9a-fA-
F]{1,2}\";\t\t\t\t\t\tconfigd:pattern-help \"<0-
FF>\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Type of Service (TOS)\";\t\t\t\t\tdefault
\"inherit\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/tos/configd_update.sh\";\t\t\t\t\tconfigd:d
elete
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/tos/configd_delete.sh\";\t\t\t\t\tconfigd:v
alidate
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ip/tos/configd validate1.cli\";\t\t\t\t}\t\t\t
\t\tleaf ignore-df {\t\t\t\t\ttype empty;\t\t\t\t\tdescription \"Ignore DF bit when
encapsulating.\";\t\t\t\t\tconfigd:help \"Ignore payload's DF bit when
encapsulating.\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/ignore-
df/configd create.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/ignore-
df/configd delete.sh\";\t\t\t\t\tmust \"../../../encapsulation = 'gre' or ../../../encapsulation = 'gre-
multipoint'\" {\t\t\t\t\t\terror-message \"Only applicable to GRE layer 3
encapsulation.\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer ipv6 {\t\t\t\t\tpresence
\"true\";\t\t\t\t\tconfigd:help \"IPv6 specific tunnel parameters\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ipv6/configd delete.sh\";\t\t\t\t\tleaf tclass
{\t\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ipv6/tclass/configd syntax1.cli\";\t\t\t\t\t}\
t\t\t\t\tconfigd:help \"Traffic class (Tclass)\";\t\t\t\t\tdefault \"0x00\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ipv6/tclass/configd_update.sh\";\t\t\t\t}\t\t\
t\t\tleaf hoplimit {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..255 {\t\t\t\t\t\terror-message \"Must
be between 0-255\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Hoplimit\";\t\t\t\t\tdefault
\"64\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ipv6/hoplimit/configd_update.sh\";\t\t\t\t}\t\
t\t\t\tleaf encaplimit {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ipv6/encaplimit/configd_syntax1.cli\";\t\t\t\t
\t}\t\t\t\t\tconfigd:help \"Encaplimit field\";\t\t\t\t\tdefault \"4\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ipv6/encaplimit/configd update.sh\";\t\t\t\t}\
t\t\t\tleaf flowlabel {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ipv6/flowlabel/configd_syntax1.cli\";\t\t\t\t\
t}\t\t\t\t\tconfigd:help \"Flowlabel\";\t\t\t\t\tdefault \"0x00000\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/parameters/ipv6/flowlabel/configd_update.sh\";\t\t\t\t}\
t\t\t}\t\t\t}\t\t\tleaf local-ip {\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype
types:ipv6-address;\t\t\t\t}\t\t\t\tconfigd:help \"Local IP address for this tunnel
[REQUIRED]\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/local-
ip/configd_update.sh\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string {\t\t\t\tpattern \".{1,256}\"
{\t\t\t\t\terror-message \"interface description is too long (limit 256
characters)\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:help \"Description\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/description/configd update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/description/configd delete.sh\";\t\t\t}\t\t\tleaf mtu
{\t\t\ttype uint32 {\t\t\t\trange 68..8024 {\t\t\t\terror-message \"MTU must be between 68 and
8024\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:priority \"381\";\t\t\t\tconfigd:help \"Maximum Transmission Unit
(MTU)\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/mtu/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/mtu/configd delete.sh\";\t\t\t}\t\t\tleaf multicast
{\t\t\t\ttype enumeration {\t\t\t\tenum \"enable\" {\t\t\t\t\tconfigd:help \"Enable
Multicast\";\t\t\t\t}\t\t\t\tenum \"disable\" {\t\t\t\t\tconfigd:help \"Disable Multicast
(default)\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:help \"Multicast operation over tunnel\";\t\t\tdefault
\"disable\";\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/multicast/configd allowed.sh\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/multicast/configd update.sh\";\t\t\t}\t\t\tleaf path-mtu-
discovery-disable {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable pmtu discovery
support\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/pmtudisc/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/pmtudisc/configd_delete.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/pmtudisc/configd validate1.sh\";\t\t\t}\t\t\tleaf disable
{\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable interface\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/disable/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/disable/configd_delete.sh\";\t\t\t}\t\t\tleaf remote-ip
```

```
{\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype types:ipv6-
address;\t\t\t\t}\t\t\t\tconfigd:help \"Remote IP address for this tunnel\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/remote-ip/configd update.sh\";\t\t\t}\t\t\tleaf-list
address {\t\t\t\ttype if:address;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"IP
address\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/address/configd_create.sh\";\t\t\t}\t\t\tleaf disable-link-
detect {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Ignore link state changes\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/disable-link-
detect/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/disable-
link-detect/configd delete.sh\";\t\t\t}\t\t\tleaf encapsulation {\t\t\t\ttype enumeration {\t\t\t\t\tenum
\"gre\" {\t\t\t\t\t\tconfigd:help \"Generic Routing Encapsulation\";\t\t\t\t\t}\t\t\t\t\tenum \"gre-bridge\"
{\t\t\t\t\t\tconfigd:help \"Generic Routing Encapsulation (for bridging)\";\t\t\t\t\t}\t\t\t\t\tenum \"gre-
multipoint\" {\t\t\t\t\t\tconfigd:help \"Multipoint Generic Routing Encapsulation\";\t\t\t\t\t}\t\t\t\t\tenum
\"ipip\" {\t\t\t\t\t\tconfigd:help \"IP in IP encapsulation\";\t\t\t\t\t}\t\t\t\t\tenum \"ipip6\"
{\t\t\t\t\t\tconfigd:help \"IP in IPv6 encapsulation\";\t\t\t\t\t}\t\t\t\t\tenum \"ip6ip6\"
{\t\t\t\t\t\tconfigd:help \"IPv6 in IPv6 encapsulation\";\t\t\t\t\t}\t\t\t\t\tenum \"sit\"
{\t\t\t\t\t\tconfigd:help \"Simple Internet Transition
encapsulation\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Encapsulation type\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/encapsulation/configd_create1.cli\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/encapsulation/configd update1.cli\";\t\t\t}\t\t\tcontainer
ip {\t\t\t\tconfigd:help \"IPv4 parameters\";\t\t\t}\t\t\tcontainer ipv6 {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"IPv6 parameters\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-service-snmp-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-snmp:1\" revision=\"2015-08-18\" format=\"yang\"
length=\"17932\"module vyatta-service-snmp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-
snmp:1\";\tprefix vyatta-service-snmp-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-
services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger
Way\t\t      San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t SNMP configuration\";\trevision 2015-08-18 {\t\tdescription \"Initial revision of
version 1.\";     }\taugment /service:service {\t\tcontainer snmp {\t\t\tpresence
\"true\";\t\t\tconfigd:priority \"980\";\t\t\tconfigd:help \"Simple Network Management Protocol
(SNMP)\";\t\t\tconfigd:validate \"/opt/vyatta/sbin/vyatta-snmp.pl --check-config\";\t\t\tconfigd:validate
\"/opt/vyatta/sbin/vyatta-snmp-v3.pl --check-config\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/service/snmp/configd create.sh\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/service/snmp/configd end.sh\";\t\t\tleaf description {\t\t\t\ttype
string;\t\t\t\tconfigd:help \"Description information\";\t\t\t}\t\t\tlist trap-target {\t\t\t\tconfigd:help
\"Address of trap target\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype union
{\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t}\t\t\t\t\tconfigd:help
\"Address of trap target\";\t\t\t\t}\t\t\t\tleaf community {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help
\"Community used when sending trap information\";\t\t\t\t}\t\t\t\tleaf port {\t\t\t\t\ttype uint32
{\t\t\t\t\t\trange 1..65535 {\t\t\t\t\t\t\terror-message \"Port number must be in range 1 to
65535\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Destination port used for trap
notification\";\t\t\t\t}\t\t\t}\t\t\tleaf contact {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Contact
information\";\t\t\t}\t\t\tleaf trap-source {\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\ttype types:ipv6-address;\t\t\t\t}\t\t\t\tconfigd:help \"SNMP trap source
address\";\t\t\t}\t\t\tlist community {\t\t\t\tconfigd:help \"Community name [REQUIRED]\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[^%]+' {\t\t\t\t\t\t\terror-
message \"Community string may not contain %\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Community
name [REQUIRED]\";\t\t\t\t}\t\t\t\tleaf-list client {\t\t\t\t\ttype union {\t\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t}\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help
\"IP address of SNMP client allowed to contact system\";\t\t\t\t}\t\t\t\tleaf authorization {\t\t\t\t\ttype
enumeration {\t\t\t\t\t\tenum \"ro\";\t\t\t\t\t\tenum \"rw\";\t\t\t\t\t}\t\t\t\t\tdefault
\"ro\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/community/authorization/configd_allowed.sh\";\t\t\t\t\tconfigd:h
elp \"Authorization type (rw or ro) (default: ro)\";\t\t\t\t}\t\t\t\tleaf-list network {\t\t\t\t\ttype union
{\t\t\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/snmp/community/network/configd syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\t\
ttype types:ipv6-prefix {\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/snmp/community/network/configd syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t}
\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Subnet of SNMP client(s) allowed to contact
system\";\t\t\t\t}\t\t\t\tleaf view {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Defines the name of
view\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/community/view/configd allowed.sh\";\t\t\t}\t\t\t}
container notification {                config:help \"SNMP notifications\";                description
\"Enable notifications\";         }\t\t\tlist view {\t\t\t\tconfigd:help \"Specifies the view with name
viewname\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/view/configd_validate1.cli\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[^\\\\(\\\\)\\\\|&-]+'
{\t\t\t\t\t\t\terror-message \"illegal characters in name\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/snmp/view/configd syntax1.cli\";\t\t\t\t}\t\t\t\tconfigd:help
\"Specifies the view with name viewname\";\t\t\t\t}\t\t\t\tlist oid {\t\t\t\t\tconfigd:help \"Specifies the
oid\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[0-
9]+(\\\\.[0-9]+)*' {\t\t\t\t\t\t\t\terror-message \"oid must start from a
number\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Specifies the oid\";\t\t\t\t\t}\t\t\t\t\tleaf
exclude {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Exclude is optional
argument.\";\t\t\t\t\t}\t\t\t\t\tleaf mask {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[0-9a-
f]{2}([\\\\.:][0-9a-f]{2})*' {\t\t\t\t\t\t\t\terror-message \"MASK is a list of hex octets, separated by '.' or
':'\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Defines a bit-mask that is indicating which
subidentifiers of the associated subtree OID should be regarded as
significant.\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\t\tleaf location {\t\t\t\ttype string;\t\t\t\tconfigd:help
\"Location information\";\t\t\t}\t\t\tcontainer v3 {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Simple
Network Management Protocol (SNMP) v3\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/configd_create.sh\";\t\t\t\tconfigd:begin
```

```
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/configd_begin.sh\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/configd_end.sh\";\t\t\t\tlist trap-target
{\t\t\t\t\tconfigd:help \"Defines SNMP target for inform or traps for IP\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/configd_validate1.cli\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/configd_validate2.cli\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/configd_validate3.cli\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/configd_validate4.cli\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/configd_validate5.cli\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-target/configd_validate6.cli\";\t\t\t\t\tkey
\"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype union {\t\t\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Defines SNMP target for
inform or traps for IP\";\t\t\t\t\t}\t\t\t\t\tcontainer auth {\t\t\t\t\t\tpresence
\"true\";\t\t\t\t\t\tconfigd:help \"Defines the authentication\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/auth/configd_validate1.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/auth/configd_validate2.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-target/auth/configd_validate3.cli\";\t\t\t\t\t\tleaf
encrypted-key {\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\tpattern '0x[0-9a-f]*' {\t\t\t\t\t\t\t\t\terror-
message \"key must start from '0x' and contain hex
digits\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\t\t\tconfigd:help
\"Defines the encrypted password for authentication\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf plaintext-key
{\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\tpattern '.{8,}' {\t\t\t\t\t\t\t\t\terror-message \"key must
contain 8 or more characters\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:secret
\"true\";\t\t\t\t\t\t\tconfigd:help \"Defines the clear text password for
authentication\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf type {\t\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\t\tenum
\"md5\" {\t\t\t\t\t\t\t\t\tconfigd:help \"Message Digest 5\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"sha\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Secure Hash
Algorithm\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tdefault \"md5\";\t\t\t\t\t\t\tconfigd:help
\"Defines the protocol using for authentication\";\t\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/auth/type/configd_allowed.sh\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tleaf user {\t\t\t\t\t\t\ttype
string;\t\t\t\t\t\t\tconfigd:help \"Defines username for authentication\";\t\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/user/configd_allowed.sh\";\t\t\t\t\t\t}\t\t\t\t\t\tcontainer privacy {\t\t\t\t\t\t\tpresence
\"true\";\t\t\t\t\t\t\tconfigd:help \"Defines the privacy\";\t\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/privacy/configd_validate1.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/privacy/configd_validate2.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-target/privacy/configd_validate3.cli\";\t\t\t\t\t\tleaf
encrypted-key {\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\tpattern '0x[0-9a-f]*' {\t\t\t\t\t\t\t\t\terror-
message \"key must start from '0x' and contain hex
digits\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\t\t\tconfigd:help
\"Defines the encrypted key for privacy protocol\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf plaintext-key
{\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\tpattern '.{8,}' {\t\t\t\t\t\t\t\t\terror-message \"key must
contain 8 or more characters\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:secret
\"true\";\t\t\t\t\t\t\tconfigd:help \"Defines the clear text key for privacy
protocol\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf type {\t\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\t\tenum \"des\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Data Encryption Standard\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"aes\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Advanced Encryption
Standard\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tdefault \"des\";\t\t\t\t\t\t\tconfigd:help \"Defines
the protocol for privacy\";\t\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/privacy/type/configd_allowed.sh\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tleaf engineid {\t\t\t\t\t\ttype
string {\t\t\t\t\t\t\tpattern '(0x){0,1}([0-9a-f][0-9a-f]){1,18}' {\t\t\t\t\t\t\t\terror-message \"id must
contain from 2 to 36 hex digits\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Defines the
engineID. (needs for trap)\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf port {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange
1..65535 {\t\t\t\t\t\t\t\terror-message \"Port number must be in range 1 to
65535\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tdefault \"162\";\t\t\t\t\t\tconfigd:help \"Specifies the
TCP/UDP port of a destination for SNMP traps/informs.\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf type {\t\t\t\t\ttype
enumeration {\t\t\t\t\t\tenum \"inform\";\t\t\t\t\t\tenum \"trap\";\t\t\t\t\t}\t\t\t\t\t\tdefault
\"inform\";\t\t\t\t\t\tconfigd:help \"Specifies the type of notification between inform and
trap\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/type/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\t\tleaf protocol {\t\t\t\t\ttype enumeration
{\t\t\t\t\t\tenum \"tcp\";\t\t\t\t\t\tenum \"udp\";\t\t\t\t\t}\t\t\t\t\t\tdefault
\"udp\";\t\t\t\t\t\tconfigd:help \"Defines protocol for notification between TCP and
UDP\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/snmp/v3/trap-
target/protocol/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tlist group {\t\t\t\t\tconfigd:help
\"Specifies the group with name groupname\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/group/configd_validate1.cli\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/group/configd_validate2.cli\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/group/configd_validate3.cli\";\t\t\t\t\tkey
\"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[^\\(\\)\\|&-]+'
{\t\t\t\t\t\t\terror-message \"illegal characters in name\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/group/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:
help \"Specifies the group with name groupname\";\t\t\t\t\t}\t\t\t\t\tleaf seclevel {\t\t\t\t\t\ttype
enumeration {\t\t\t\t\t\tenum \"auth\";\t\t\t\t\t\tenum \"priv\";\t\t\t\t\t}\t\t\t\t\t\tconfigd:help
\"Defines security level\";\t\t\t\t\t\tconfigd:allowed
```

```
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/group/seclevel/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\t\tleaf
view {\t\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Defines the name of
view\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/group/view/configd_allowed.sh\";\t\t\t\t}\t\t\t\t\tleaf
mode {\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"ro\";\t\t\t\t\t\t\tenum
\"rw\";\t\t\t\t\t\t}\t\t\t\t\t\tdefault \"ro\";\t\t\t\t\t\tconfigd:help \"Defines the read/write
access\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/group/mode/configd_allowed.sh\";\t\t\t\t}\t\t\t\t}\t\t\t\tl
ist user {\t\t\t\tconfigd:help \"Specifies the user with name username\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/configd_allowed.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/configd_validate1.cli\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/configd_validate2.cli\";\t\t\t\tkey
\"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[^\\(\\)\\|&-]+'
{\t\t\t\t\t\t\t\terror-message \"illegal characters in name\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:h
elp \"Specifies the user with name username\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/configd_allowed.sh\";\t\t\t\t}\t\t\t\t\tcontainer auth
{\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Specifies the auth\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/auth/configd_validate1.cli\";\t\t\t\t\tconfigd:validat
e \"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/validate_key.cli\";\t\t\t\tleaf encrypted-key
{\t\t\t\t\t\ttype string;\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\tconfigd:help \"Defines the
encrypted key for authentication protocol\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/auth/encrypted-
key/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\t\tleaf plaintext-key {\t\t\t\t\t\ttype string
{\t\t\t\t\t\ttpattern '.{8,}' {\t\t\t\t\t\t\terror-message \"key must contain 8 or more
characters\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\t\tconfigd:help
\"Defines the key in the clear text for authentication protocol\";\t\t\t\t\t}\t\t\t\t\tleaf type
{\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"md5\" {\t\t\t\t\t\t\t\tconfigd:help \"Message
Digest 5\";\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"sha\" {\t\t\t\t\t\t\tconfigd:help \"Secure Hash
Algorithm\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tdefault \"md5\";\t\t\t\t\t\tconfigd:help
\"Defines the protocol using for authentication\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/auth/type/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\t}\
t\t\t\tleaf tsm-key {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/tsm-
key/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Specifies finger print or file name of TSM
certificate.\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/tsm-
key/configd_allowed.sh\";\t\t\t}\t\t\t\tleaf group {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help
\"Specifies group for user name\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/group/configd_allowed.sh\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/group/configd_validate1.cli\";\t\t\t}\t\t\t\tconta
iner privacy {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Specifies the
privacy\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/privacy/configd_validate1.cli\";\t\t\t\t\tconfigd:vali
date \"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/validate_key.cli\";\t\t\t\tleaf encrypted-key
{\t\t\t\t\t\ttype string;\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\tconfigd:help \"Defines the
encrypted key for privacy protocol\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/privacy/encrypted-
key/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\t\tleaf plaintext-key {\t\t\t\t\t\ttype string
{\t\t\t\t\t\ttpattern '.{8,}' {\t\t\t\t\t\t\terror-message \"key must contain 8 or more
characters\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\t\tconfigd:help
\"Defines the key in the clear text for protocol for privacy\";\t\t\t\t\t}\t\t\t\t\tleaf type
{\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"des\" {\t\t\t\t\t\t\t\tconfigd:help \"Data
Encryption Standard\";\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"aes\" {\t\t\t\t\t\t\tconfigd:help
\"Advanced Encryption Standard\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tdefault
\"des\";\t\t\t\t\t\tconfigd:help \"Defines the protocol for privacy\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/privacy/type/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\t\
t}\t\t\t\t\tleaf engineid {\t\t\t\t\t\ttype string {\t\t\t\t\t\ttpattern '(0x){0,1}([0-9a-f][0-9a-f]){1,18}'
{\t\t\t\t\t\terror-message \"id must contain from 2 to 36 hex
digits\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Specifies the
EngineID\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/engineid/configd_allowed.sh\";\t\t\t\t}\t\t\t\t\tleaf
mode {\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"ro\";\t\t\t\t\t\t\tenum
\"rw\";\t\t\t\t\t\t}\t\t\t\t\t\tdefault \"ro\";\t\t\t\t\t\tconfigd:help \"Specifies the mode for access
rights of user, read only or write\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/user/mode/configd_allowed.sh\";\t\t\t\t}\t\t\t\t}\t\t\t\tco
ntainer tsm {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Specifies that the snmpd uses
encryption.\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/tsm/configd_validate1.cli\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/tsm/configd_validate2.cli\";\t\t\t\tleaf local-key
{\t\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/snmp/v3/tsm/local-
key/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Defines the server certificate fingerprint
or key-file name.\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/snmp/v3/tsm/local-
key/configd_allowed.sh\";\t\t\t\t}\t\t\t\tleaf port {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
1..65535 {\t\t\t\t\t\terror-message \"Port number must be in range 1 to
65535\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"10161\";\t\t\t\t\tconfigd:help \"Defines the port
for tsm.\";\t\t\t\t}\t\t\t}\t\t\t\tleaf engineid {\t\t\t\ttype string {\t\t\t\t\tpattern
'(0x){0,1}([0-9a-f][0-9a-f]){1,18}' {\t\t\t\t\t\terror-message \"id must contain from 2 to 36 hex
digits\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:help \"Specifies the EngineID as a hex value (e.g.,
0xff42)\";\t\t\t\t}\t\t\t}\t\t\tlist listen-address {\t\t\t\tconfigd:help \"IP address to listen for incoming
SNMP requests\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype union {\t\t\t\t\t\ttype
types:ipv4-address;\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"IP address to
listen for incoming SNMP requests\";\t\t\t}\t\t\t\tleaf port {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
1..65535 {\t\t\t\t\t\terror-message \"Port number must be in range 1 to
```

65535\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"161\";\t\t\t\tconfigd:help \"Port for SNMP service\";\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-service-flow-monitoring-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-flow-monitoring-routing-instance:1\" revision=\"2016-01-22\" format=\"yang\" length=\"1266\"module vyatta-service-flow-monitoring-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-flow-monitoring-routing-instance:1\";\tprefix vyatta-service-flow-monitoring-routing-instance-v1;\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-service-flow-monitoring-v1 {\t\tprefix flow-mon;\t}\timport vyatta-routing-v1 {\t\tprefix rd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for\t\t vyatta-service-flow-monitoring-routing-instance-v1\";\trevision 2016-01-22 {\t\tdescription \"Add Routing Domain support to flow-monitoring\";\t\tconfigd:migration 1;\t}\taugment /service:service/flow-mon:flow-monitoring/flow-mon:exporter/flow-mon:udp-collector {\t\tleaf routing-instance {\t\t\ttype leafref {\t\t\t\tpath \"/rd:routing/rd:routing-instance/rd:instance-name\";\t\t\t}\t\t\tconfigd:help \"Routing Domain used to export flows to collector\";\t\tdescription \"Routing Domain used to export flows to collector\";\t\t}\t}}</module><module name=\"vyatta-protocols-static-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-static-routing-instance:1\" revision=\"2016-05-01\" format=\"yang\" length=\"1746\"module vyatta-protocols-static-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-static-routing-instance:1\";\tprefix vyatta-protocols-static-routing-instance-v1;\timport vyatta-routing-v1 {\t\tprefix vyatta-routing;\t}\timport vyatta-protocols-static-v1 {\t\tprefix vyatta-static;\t}\timport vyatta-routing-instance-interfaces-v1 {\t\tprefix routing-instance-if;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for\t\t vyatta-protocols-static-route-routing-instance-v1\";\trevision 2016-05-01 {\t\tdescription \"Initial revision of version 1\";\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-routing:protocols {\t\tuses vyatta-static:static-route {\t\t\trefine static/route/next-hop/interface {\t\t\tmust \"(1 = count(/vyatta-routing:routing/vyatta-routing:routing-instance[vyatta-routing:instance-name =\t\t\t\tcurrent()/../../../../../vyatta-routing:instance-name]/routing-instance-if:interface[routing-instance-if:name = current()]))\" {\t\t\t\terror-message \"next-hop interface doesn't belong to routing-instance\";\t\t\t}\t\t\t}\t\t\trefine static/route6/next-hop/interface {\t\t\tmust \"(1 = count(/vyatta-routing:routing/vyatta-routing:routing-instance[vyatta-routing:instance-name =\t\t\t\tcurrent()/../../../../../vyatta-routing:instance-name]/routing-instance-if:interface[routing-instance-if:name = current()]))\" {\t\t\t\terror-message \"next-hop interface doesn't belong to routing-instance\";\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-nhrp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-nhrp:1\" revision=\"2015-08-14\" format=\"yang\" length=\"4897\"module vyatta-nhrp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-nhrp:1\";\tprefix vyatta-nhrp-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-nhrp-v1\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /if:interfaces/interfaces-tunnel:tunnel {\t\tcontainer nhrp {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Configure NHRP Parameter\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/configd_create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/configd_delete.sh\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/configd_end.sh\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/configd_validate1.cli\";\t\t\tcontainer authentication {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Enter authentication key\";\t\t\t\tleaf pre-shared-secret {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Enter authentication key\";\t\t\t}\t\t\t}\t\t\tcontainer shortcut-target {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Define an off-NBMA network prefix\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/shortcut-target/configd_validate1.cli\";\t\t\t\tleaf protocol-address {\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\tconfigd:help \"Enter IP address with prefix [REQUIRED]\";\t\t\t\t\tleaf holding-time {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 360..10000 {\t\t\t\t\t\t\tconfigd:error-message \"Must be between 360-10000 for $VAR(../../@)\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Hold time for Resolution Requests and Resolution Replies in seconds\";\t\t\t}\t\t\t}\t\t\tcontainer dynamic-map {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Specify the NBMA address of the next hop servers and the domain name in which they are defined\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/dynamic-map/configd_validate1.cli\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/dynamic-map/configd_validate2.cli\";\t\t\t\tleaf nbma-domain {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/dynamic-map/nbma-domain/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Enter domain name [REQUIRED]\";\t\t\t}\t\t\t\tleaf protocol-address {\t\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/dynamic-map/protocol-address/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Enter IPv4 network and netmask prefix [REQUIRED]\";\t\t\t}\t\t\t}\t\t\tleaf shortcut-destination {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Set to reply with authoritative answers on NHRP Resolution Requests\";\t\t\t}\t\t\tcontainer multicast {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Configure multicast for nhrp tunnel\";\t\t\t\tleaf parameters {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"nhs\" {\t\t\t\t\t\t\tconfigd:help \"Specifying nhs makes all multicast packets to be repeated to each statically configured next hop\";\t\t\t\t\t}\t\t\t\t\t\tenum \"dynamic\" {\t\t\t\t\t\t\tconfigd:help \"Dynamic instructs to forward to all peers which we have a direct connection with\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Choose multicast option\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/multicast/parameters/configd_allowed.sh\";\t\t\t}\t\t\tleaf-list protocol-address {\t\t\t\ttype types:ipv4-address;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"IP address\";\t\t\t}\t\t\t}\t\t\tlist map {\t\t\t\tconfigd:help \"Enter address of NHS\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/map/configd_validate1.cli\";\t\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\t\tconfigd:syntax

```
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/nhrp/map/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd
:help \"Enter address of NHS\";\t\t\t\t}\t\t\t\t\tleaf register-no-unique {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"NHRP register-no-unique\";\t\t\t\t}\t\t\t\tleaf nbma-address {\t\t\t\t\ttype
types:ipv4-address;\t\t\t\t\tconfigd:help \"IP address [REQUIRED]\";\t\t\t\t}\t\t\t\tleaf register
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable NHRP registration for this
tunnel\";\t\t\t\t}\t\t\t\t}\t\t\tleaf shortcut {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"NHRP
Shortcut\";\t\t\t}\t\t\t\tleaf redirect {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable sending of NHRP
Traffic Indication packets\";\t\t\t}\t\t\tleaf holding-time {\t\t\t\ttype uint32 {\t\t\t\trange 60..10000
{\t\t\t\t\tconfigd:error-message \"Must be between 60-10000 for
$VAR(../../@)\";\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Enter holding time in
seconds\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-protocols-rib-routing-instance-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-rib-routing-instance:1\" revision=\"2016-05-02\"
format=\"yang\" length=\"1268\"module vyatta-protocols-rib-routing-instance-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-protocols-rib-routing-instance:1\";\tprefix vyatta-protocols-rib-routing-
instance-v1;\timport vyatta-protocols-rib-v1 {\t\tprefix vyatta-rib;\t}\timport configd-v1 {\t\tprefix
configd;\t}\timport vyatta-routing-v1 {\t\tprefix vyatta-routing;\t}\torganization \"Brocade Communications
Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t
San Jose, CA 95134\t\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright
(c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module package for
vyatta-protocols-rib-routing-instance-v1\";\trevision 2016-05-02 {\t\tdescription \"Initial revision of
version 1\";\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-routing:protocols
{\t\tcontainer rib {\t\t\tconfigd:priority \"650\";\t\t\tconfigd:help \"Routing Information Base (RIB)
parameters\";\t\t\tdescription \"Routing Information Base (RIB) parameters\";\t\t\tcontainer log
{\t\t\tconfigd:help \"RIB logging parameters\";\t\t\tdescription \"RIB logging parameters\";\t\t\tuses
vyatta-rib:log-all; \t\t\tuses vyatta-rib:log-events;\t\t\tuses vyatta-rib:log-
packet;\t\t}\t}\t}}</module><module name=\"vyatta-service-sflow-bonding-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-sflow-bonding:1\" revision=\"2015-09-15\" format=\"yang\"
length=\"1090\"module vyatta-service-sflow-bonding-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-
sflow-bonding:1\";\tprefix vyatta-service-sflow-bonding-v1;\timport configd-v1 {\t\tprefix
configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix
if-bonding;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t Postal: 130 Holger Way\t\t        San Jose, CA 95134\t\t E-mail: support@Brocade.com\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t
All rights reserved.\t The YANG module for vyatta-service-sflow-bonding-v1\";\trevision 2015-09-15
{\t\tdescription \"Initial revision of version 1.\";\t}\taugment /if:interfaces/if-bonding:bonding {\t\tleaf
sflow {\t\t\ttype empty;\t\t\tconfigd:priority \"911\";\t\t\tconfigd:help \"Enable/Disable sflow for
interface\";\t\t\tconfigd:delete \"vplane-sflow.pl --cmd=disable --intf=$VAR(../@) --
type=$VAR(..)\";\t\t\tconfigd:update \"vplane-sflow.pl --cmd=enable --intf=$VAR(../@) --
type=$VAR(..)\";\t\t}\t}}</module><module name=\"vyatta-interfaces-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-
interfaces:1\" revision=\"2016-08-24\" format=\"yang\" length=\"8325\"module vyatta-interfaces-v1
{\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces:1\";\tprefix vyatta-if-v1;\timport configd-v1 { prefix
configd; }\timport vyatta-types-v1 { prefix types; }\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t San Jose, CA
95134\t\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016
by Brocade Communications Systems, Inc.\t All rights reserved.\t This module implements vyatta-
interfaces-v1.\";\trevision 2016-08-24 {\t\tdescription \"Refactor groupings to support system (host)
interfaces\";\t}\trevision 2016-03-28 {\t\tdescription \"Remove use of bash in action scripts\";\t}\trevision
2015-08-05 {\t\tdescription \"Initial revision of version 1.\";\t}\ttypedef address {\t\ttype union
{\t\t\ttype types:ipv4-prefix {\t\t\t\tconfigd:help \"IPv4 Address\";\t\t\t\tconfigd:syntax \"valid_address
$VAR(@)\";\t\t\t}\t\t\ttype types:ipv6-prefix {\t\t\t\tconfigd:help \"IPv6 Address\";\t\t\t\tconfigd:syntax
\"valid_address $VAR(@)\";\t\t\t}\t\t}\t\t\tconfigd:normalize \"normalize ip\";\t\t}\t}\ttypedef address-dhcp
{\t\ttype union {\t\t\ttype enumeration {\t\t\t\tenum dhcp {\t\t\t\t\tconfigd:help \"Use DHCP to acquire an
address\";\t\t\t\t}\t\t\t\tenum dhcpv6  {\t\t\t\t\tconfigd:help \"Use DHCPv6 to acquire an
address\";\t\t\t\t}\t\t\t}\t\t\ttype address;\t\t\tconfigd:normalize \"normalize ip\";\t\t}\t}\ttypedef
description {\t\ttype string {\t\t\tlength \"1..256\";\t\t}\t}\tgrouping if-status {\t\tleaf admin-status
{\t\t\ttype enumeration {\t\t\t\tenum up;\t\t\t\tenum down;\t\t\t\tenum testing;\t\t\t}\t\t\tdescription
\"Interface's desired state\";\t\t\tconfig false;\t\t}\t\tleaf oper-status {\t\t\ttype enumeration
{\t\t\t\tenum up;\t\t\t\tenum down;\t\t\t\tenum testing;\t\t\t\tenum unknown;\t\t\t\tenum
dormant;\t\t\t\tenum notpresent;\t\t\t\tenum lowerlayerdown;\t\t\t}\t\t\tdescription \"Interface's current
operational state\";\t\t\tconfig false;\t\t}\t}\tgrouping if-parameters-base {\t\tleaf disable {\t\t\ttype
empty;\t\t\tconfigd:help \"Disable interface\";\t\t\tconfigd:create \"ip link set $VAR(../@)
down\";\t\t}\t\tleaf disable-link-detect {\t\t\ttype empty;\t\t\tconfigd:help \"Ignore link state
changes\";\t\t\tconfigd:create \"vyatta-link-detect $VAR(../@) off\";\t\t\tconfigd:delete \"vyatta-link-
detect $VAR(../@) on\";\t\t}\t\tcontainer ip {\t\t\tconfigd:help \"IPv4 parameters\";\t\t\tleaf enable-proxy-
arp {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable proxy-arp on this interface\";\t\t\t\tconfigd:create
\"sysctl -wq /net/ipv4/conf/$VAR(../../@)/proxy arp=1\";\t\t\t\tconfigd:delete \"sysctl -wq
/net/ipv4/conf/$VAR(../../@)/proxy_arp=0\";\t\t\t}\t\t\tleaf rpf-check {\t\t\t\ttype enumeration
{\t\t\t\t\tenum \"disable\" {\t\t\t\t\t\tvalue 0;\t\t\t\t\t\tconfigd:help \"No source
validation\";\t\t\t\t\t}\t\t\t\t\tenum \"strict\" {\t\t\t\t\t\tvalue 1;\t\t\t\t\t\tconfigd:help \"Enable
Strict Reverse Path Forwarding as defined in RFC3704\";\t\t\t\t\t}\t\t\t\t\tenum \"loose\" {\t\t\t\t\t\tvalue
2;\t\t\t\t\t\tconfigd:help \"Enable Loose Reverse Path Forwarding as defined in
RFC3704\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Reverse path filter policy (see
RFC3704)\";\t\t\t\tdefault \"disable\";\t\t\t\tconfigd:update \"set-rpf-check $VAR(@)
$VAR(../../@)\";\t\t\t\tconfigd:delete \"set-rpf-check disable $VAR(../../@)\";\t\t\t}\t\t\tleaf gratuitous-
arp-count {\t\t\t\ttype uint32 {\t\t\t\trange 0..10;\t\t\t\t}\t\t\t\tconfigd:help \"# of unsolicited arps
sent on link up (0 to disable)\";\t\t\t\tdefault \"1\";\t\t\t}\t\t}\t\tcontainer ipv6 {\t\t\tconfigd:help
\"IPv6 parameters\";\t\t}\t}\tgrouping if-parameter-description {\t\tleaf description {\t\t\ttype
description;\t\t\tdescription \"Interface description\";\t\t\tconfigd:help \"Interface
Description\";\t\t\tconfigd:update \"ip li set dev $VAR(../@) alias '$VAR(@)'\";\t\t\tconfigd:delete
\"vyatta-interfaces.pl --dev=$VAR(../@) --delete-description\";\t\t}\t}\tgrouping if-parameter-log-martians
{\t\tleaf log martians {\t\t\ttype empty;\t\t\tdescription \"Enable the logging of bogus
packets\";\t\t\tconfigd:help \"Enable the logging of bogus packets\";\t\t\tconfigd:create \"sysctl -wq
/net/ipv4/conf/$VAR(../@)/log_martians=1\";\t\t\tconfigd:delete \"sysctl -wq
/net/ipv4/conf/$VAR(../@)/log_martians=0\";\t\t}\t}\tgrouping if-parameters-host {\t\tdescription
```

\"Attributes used by host (administrative) interfaces\";\t\tuses if-parameter-description;\t\tuses if-parameters-base;\t\tuses if-parameter-log-martians;\t}\tgrouping if-parameters {\t\tdescription \"Attributes used by forwarding interfaces\";\t\tuses if-parameter-description;\t\tuses if-parameters-base {\t\t\taugment ip {\t\t\t\tleaf disable-forwarding {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable IPv4 forwarding on this interface\";\t\t\t\t\tconfigd:create \"sysctl -wq /net/ipv4/conf/$VAR(../../@)/forwarding=0\";\t\t\t\t\tconfigd:delete \"sysctl -wq /net/ipv4/conf/$VAR(../../@)/forwarding=1\";\t\t\t\t}\t\t\t}\t\t}\t\tuses if-parameter-log-martians;\t}\tgrouping vif-parameters-ip-base {\t\tdescription \"Attributes used to manage IPv4 operations on sub-interfaces\";\t\tleaf enable-proxy-arp {\t\t\ttype empty;\t\t\tdescription \"Enable proxy-arp on this interface\";\t\t\tconfigd:help \"Enable proxy-arp on this interface\";\t\t\tconfigd:create \"sysctl -wq /net/ipv4/conf/$VAR(../../../@).$VAR(../../@)/proxy_arp=1\";\t\t\tconfigd:delete \"sysctl -wq /net/ipv4/conf/$VAR(../../../@).$VAR(../../@)/proxy_arp=0\";\t\t}\t\tleaf rpf-check {\t\t\ttype enumeration {\t\t\t\tenum \"disable\" {\t\t\t\t\tvalue 0;\t\t\t\t\tdescription \"No source validation\";\t\t\t\t\tconfigd:help \"No source validation\";\t\t\t\t}\t\t\t\tenum \"strict\" {\t\t\t\t\tvalue 1;\t\t\t\t\tdescription \"Enable Strict Reverse Path Forwarding as defined in RFC3704\";\t\t\t\t\tconfigd:help \"Enable Strict Reverse Path Forwarding as defined in RFC3704\";\t\t\t\t}\t\t\t\tenum \"loose\" {\t\t\t\t\tvalue 2;\t\t\t\t\tdescription \"Enable Loose Reverse Path Forwarding as defined in RFC3704\";\t\t\t\t\tconfigd:help \"Enable Loose Reverse Path Forwarding as defined in RFC3704\";\t\t\t\t}\t\t\t}\t\t\tdescription \"Reverse path filter policy (see RFC3704)\";\t\t\tconfigd:help \"Reverse path filter policy (see RFC3704)\";\t\t\tdefault \"disable\";\t\t\tconfigd:update \"set-rpf-check $VAR(@) $VAR(../../../@).$VAR(../../@)\";\t\t\tconfigd:delete \"set-rpf-check disable $VAR(../../../@).$VAR(../../@)\";\t\t}\t}\tgrouping vif-parameters-common {\t\tdescription \"Attributes shared between host sub-interfaces and forwarding sub-interfaces\";\t\tleaf disable {\t\t\ttype empty;\t\t\tdescription \"Disable this interface\";\t\t\tconfigd:help \"Disable interface\";\t\t\tconfigd:create \"ip link set $VAR(../../@).$VAR(../@) down\";\t\t}\t\tleaf log martians {\t\t\ttype empty;\t\t\tdescription \"Enable the logging of bogus packets\";\t\t\tconfigd:help \"Enable the logging of bogus packets\";\t\t\tconfigd:create \"sysctl -wq /net/ipv4/conf/$VAR(../../@).$VAR(../@)/log_martians=1\";\t\t\tconfigd:delete \"sysctl -wq /net/ipv4/conf/$VAR(../../@).$VAR(../@)/log_martians=0\";\t\t}\t\tcontainer ip {\t\t\tdescription \"IPv4 interface parameters\";\t\t\tconfigd:help \"IPv4 parameters\";\t\t}\t\tcontainer ipv6 {\t\t\tdescription \"IPv6 interface parameters\";\t\t\tconfigd:help \"IPv6 parameters\";\t\t}\t}\tgrouping vif-parameters-host {\t\tdescription \"Attributes used by host (administrative) sub-interfaces\";\t\tuses vif-parameters-common {\t\t\taugment ip {\t\t\tuses vif-parameters-ip-base;\t\t}\t\t}\t}\tgrouping vif-parameters-base {\t\tdescription \"Base attributes used by all forwarding sub-interfaces\";\t\tuses vif-parameters-common {\t\t\taugment ip {\t\t\tleaf disable-forwarding {\t\t\t\ttype empty;\t\t\t\tdescription \"Disable IPv4 forwarding on this interface\";\t\t\t\tconfigd:help \"Disable IPv4 forwarding on this interface\";\t\t\t\tconfigd:create \"sysctl -wq /net/ipv4/conf/$VAR(../../../@).$VAR(../../@)/forwarding=0\";\t\t\t\tconfigd:delete \"sysctl -wq /net/ipv4/conf/$VAR(../../../@).$VAR(../../@)/forwarding=1\";\t\t\t}\t\t\tuses vif-parameters-ip-base;\t\t}\t}\t}\tgrouping vif-description {\t\tleaf description {\t\t\ttype description;\t\t\tdescription \"Virtual sub-interface description\";\t\t\tconfigd:help \"Virtual sub-interface Description\";\t\t\tconfigd:update \"ip li set dev $VAR(../../@).$VAR(../@) alias '$VAR(@)'\";\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev=$VAR(../../@).$VAR(../@) --delete-description\";\t\t}\t}\tgrouping vif-parameters {\t\tuses vif-description;\t\tuses vif-parameters-base;\t}\tcontainer interfaces {\t\tconfigd:help \"Network interfaces\";\t\tconfigd:begin \"/opt/vyatta/sbin/vyatta-delete-addrs.pl\";\t\tconfigd:end \"/bin/run-parts ${vyatta datarootdir}/tmplscripts${CONFIGD PATH}/configd end.d\";\t\tconfigd:validate \"vyatta-interfaces.pl --valid-addrs-commit\";\t}}</module<module name=\"vyatta-protocols-ripng-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-ripng:1\" revision=\"2016-07-19\" format=\"yang\" length=\"21954\"module vyatta-protocols-ripng-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-ripng:1\";\tprefix vyatta-protocols-ripng-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\t\tprefix interfaces-loopback;\t}\timport vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-vti-v1 {\t\tprefix interfaces-vti;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-route;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-ripng-v1\";\trevision 2016-07-19 {\t\tdescription\t\t\t\"- Allow non link-local address as neighbor address on l2tpeth\t\t\tinterfaces for backward\tcompatibility.\t\t - Relax interface validation to allow non-existing interface.\t\t - Group containers 'ripng' and 'packet'.\t\t - Import vyatta-protocols-interface-validation-v1 module for\t\t\tinterface validation.\t\t - Import vyatta-policy-v1 and vyatta-policy-route-v1 modules\t\t\tto refer to their access-list and prefix-list nodes.\t\t - Add description to all nodes.\";\t}\trevision 2015-08-06 {\t\tdescription \"Initial revision of version 1\";\t}\tgrouping ripng-log-packet {\t\tcontainer packet {\t\t\tconfigd:help \"RIPNG packet logs\";\t\t\tdescription \"RIPNG packet logs\";\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPNG packet all logs\";\t\t\t\tdescription \"Enable RIPNG packet all logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/packet/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/packet/configd_delete.sh\";\t\t\t}\t\t\tleaf send {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPNG packet send logs\";\t\t\t\tdescription \"Enable RIPNG packet send logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/packet/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/packet/configd_delete.sh\";\t\t\t}\t\t\tleaf recv {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPNG packet recv logs\";\t\t\t\tdescription \"Enable RIPNG packet recv logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/packet/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/packet/configd delete.sh\";\t\t\t}\t\t\tleaf detail {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPNG packet detail logs\";\t\t\t\tdescription \"Enable RIPNG packet detail logs\";\t\t\t\tconfigd:create

```
\"/opt/vyatta/share/tmplscripts/protocols/ripng/log/packet/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/log/packet/configd delete.sh\";\t\t\t}\t\t}\t}\tgrouping
ripng-protocol {\t\tcontainer ripng {\t\t\tpresence \"true\";\t\t\tconfigd:priority
\"660\";\t\t\tconfigd:help \"Routing Information Protocol (RIPng) parameters\";\t\t\tdescription \"Routing
Information Protocol (RIPng) parameters\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ripng/configd_create.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/configd_delete.sh\";\t\t\tleaf-list aggregate-address
{\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv6-
prefix\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Aggregate RIPng route
announcement\";\t\t\t\tdescription \"Aggregate RIPng route announcement\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ripng/aggregate-address/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/aggregate-address/configd_delete.sh\";\t\t\t}\t\t\tleaf-list
route {\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv6-
prefix\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"RIPng static route\";\t\t\t\tdescription
\"RIPng static route\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ripng/route/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/route/configd_delete.sh\";\t\t\t}\t\t\tcontainer timers
{\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"RIPng timer values\";\t\t\t\tdescription \"RIPng timer
values\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ripng/timers/configd end.sh\";\t\t\t\tleaf garbage-collection
{\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 5..65535 {\t\t\t\t\t\t\terror-message \"Garbage collection timer
must be between 5 and 65535\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"120\";\t\t\t\t\tconfigd:help
\"Garbage collection timer\";\t\t\t\t\tdescription \"Garbage collection timer\";\t\t\t\t}\t\t\t\tleaf update
{\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 5..65535 {\t\t\t\t\t\t\terror-message \"Update timer must be
between 5 and 65535\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"30\";\t\t\t\t\tconfigd:help \"Routing table
update timer\";\t\t\t\t\tdescription \"Routing table update timer\";\t\t\t\t}\t\t\t\tleaf timeout
{\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 5..65535 {\t\t\t\t\t\t\terror-message \"Timeout timer must be
between 5 and 65535\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"180\";\t\t\t\t\tconfigd:help \"Routing
information timeout timer\";\t\t\t\t\tdescription \"Routing information timeout
timer\";\t\t\t\t}\t\t\t}\t\t\tcontainer distribute-list {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help
\"Filter networks in routing updates\";\t\t\t\tdescription \"Filter networks in routing
updates\";\t\t\t\tcontainer access-list {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Access
list\";\t\t\t\t\tdescription \"Access list\";\t\t\t\t\tleaf out {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath
\"/policy:policy/policy-route:route/policy-route:access-list6/policy-
route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Access list to apply to output
packets\";\t\t\t\t\t\tdescription \"Access list to apply to output packets\";\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/access-
list/out/configd update.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/access-
list/out/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf in {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath
\"/policy:policy/policy-route:route/policy-route:access-list6/policy-
route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Access list to apply to input
packets\";\t\t\t\t\t\tdescription \"Access list to apply to input packets\";\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/access-
list/in/configd_update.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/access-
list/in/configd delete.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tlist interface {\t\t\t\t\tconfigd:help \"Apply
filtering to an interface\";\t\t\t\t\tdescription \"Apply filtering to an
interface\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-
list/interface/configd_allowed.sh\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype
types:interface-ifname;\t\t\t\t\t\tconfigd:help \"Apply filtering to an interface\";\t\t\t\t\t\tdescription
\"Apply filtering to an interface\";\t\t\t\t\t}\t\t\t\t\tcontainer access-list {\t\t\t\t\t\tpresence
\"true\";\t\t\t\t\t\tconfigd:help \"Access list\";\t\t\t\t\t\tdescription \"Access list\";\t\t\t\t\t\tleaf
out {\t\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-
route:access-list/policy-route:tagnode\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Access list to apply to
output packets\";\t\t\t\t\t\t\tdescription \"Access list to apply to output
packets\";\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-
list/interface/access-list/out/configd update.sh\";\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/interface/access-
list/out/configd delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf in {\t\t\t\t\t\t\ttype leafref
{\t\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list/policy-
route:tagnode\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Access list to apply to input
packets\";\t\t\t\t\t\t\tdescription \"Access list to apply to input packets\";\t\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/interface/access-
list/in/configd update.sh\";\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/interface/access-
list/in/configd_delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer prefix-list {\t\t\t\t\t\tpresence
\"true\";\t\t\t\t\t\tconfigd:help \"Prefix-list\";\t\t\t\t\t\tdescription \"Prefix-list\";\t\t\t\t\t\tleaf
out {\t\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-
route:prefix-list6/policy-route:tagnode\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Prefix-list to apply to
output packets\";\t\t\t\t\t\t\tdescription \"Prefix-list to apply to output
packets\";\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-
list/interface/prefix-list/out/configd_update.sh\";\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/interface/prefix-
list/out/configd delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf in {\t\t\t\t\t\t\ttype leafref
{\t\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:prefix-list6/policy-
route:tagnode\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Prefix-list to apply to input
packets\";\t\t\t\t\t\t\tdescription \"Prefix-list to apply to input packets\";\t\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/interface/prefix-
list/in/configd_update.sh\";\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/interface/prefix-
list/in/configd delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\t\tcontainer prefix-list
{\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Prefix-list\";\t\t\t\tdescription \"Prefix-
list\";\t\t\t\tleaf out {\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-
```

route:route/policy-route:prefix-list6/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Prefix-list to apply to output packets\";\t\t\t\t\t\tdescription \"Prefix-list to apply to output packets\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/prefix-list/out/configd update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/prefix-list/out/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf in {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:prefix-list6/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Prefix-list to apply to input packets\";\t\t\t\t\t\tdescription \"Prefix-list to apply to input packets\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/prefix-list/in/configd_update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/distribute-list/prefix-list/in/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tleaf-list passive-interface {\t\t\t\ttype types:interface-ifname;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Suppress routing updates on an interface\";\t\t\t\tdescription \"Suppress routing updates on an interface\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/ripng/passive-interface/configd allowed.sh\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/passive-interface/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/passive-interface/configd_delete.sh\";\t\t\t}\t\t\tleaf default-metric {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..16 {\t\t\t\t\t\terror-message \"Must be between 1-16\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Metric of redistributed routes\";\t\t\t\tdescription \"Metric of redistributed routes\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ripng/default-metric/configd update.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/default-metric/configd_delete.sh\";\t\t\t}\t\t\tcontainer redistribute {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Redistribute information from another routing protocol\";\t\t\t\tdescription \"Redistribute information from another routing protocol\";\t\t\t\tcontainer bgp {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute BGP routes\";\t\t\t\t\tdescription \"Redistribute BGP routes\";\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ripng/redistribute/configd_redist_end.sh\";\t\t\t\t\tleaf route-map {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\tleaf metric {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1 and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer kernel {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute kernel routes\";\t\t\t\t\tdescription \"Redistribute kernel routes\";\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ripng/redistribute/configd redist end.sh\";\t\t\t\t\tleaf route-map {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\tleaf metric {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1 and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer connected {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute connected routes\";\t\t\t\t\tdescription \"Redistribute connected routes\";\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ripng/redistribute/configd_redist_end.sh\";\t\t\t\t\tleaf route-map {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\tleaf metric {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1 and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer static {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute static routes\";\t\t\t\t\tdescription \"Redistribute static routes\";\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ripng/redistribute/configd_redist_end.sh\";\t\t\t\t\tleaf route-map {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\tleaf metric {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1 and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer ospfv3 {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute OSPFv3 routes\";\t\t\t\t\tdescription \"Redistribute OSPFv3 routes\";\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ripng/redistribute/configd redist end.sh\";\t\t\t\t\tleaf route-map {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\tleaf metric {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1 and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer default-information {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Control distribution of default route\";\t\t\t\t\tdescription \"Control distribution of default route\";\t\t\t\t\tleaf originate {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Distribute a default route\";\t\t\t\t\t\tdescription \"Distribute a default route\";\t\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/default-information/originate/configd create.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/default-information/originate/configd_delete.sh\";\t\t\t\t\t}\t\t\t}\t\t\t}\t\t}\t}\taugment /protocols:protocols {\t\tuses ripng-protocol;\t}\taugment /protocols:protocols/ripng {\t\tcontainer log {\t\t\tconfigd:help \"RIPNG logging parameters\";\t\t\tdescription \"RIPNG logging parameters\";\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable all RIPNG logs\";\t\t\t\tdescription \"Enable all RIPNG logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_delete.sh\";\t\t\t}\t\t\tleaf events

{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPNG events logs\";\t\t\t\tdescription \"Enable RIPNG events logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd delete.sh\";\t\t\t}\t\t\tleaf rib {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPNG rib logs\";\t\t\t\tdescription \"Enable RIPNG rib logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd delete.sh\";\t\t\t}\t\t\tleaf nsm {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPNG nsm logs\";\t\t\t\tdescription \"Enable RIPNG nsm logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_delete.sh\";\t\t\t}\t\t\tuses ripng-log-packet;\t\t}\t}\tgrouping itf-ipv6-ripng {\t\tcontainer ripng {\t\t\tconfigd:help \"Routing Information Protocol (RIPng)\";\t\t\tdescription \"Routing Information Protocol (RIPng)\";\t\t\tcontainer split-horizon {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Split horizon parameters\";\t\t\t\tdescription \"Split horizon parameters\";\t\t\tleaf poison-reverse {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable poison reverse for split-horizon\";\t\t\t\tdescription \"Enable poison reverse for split-horizon\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/split-horizon/poison-reverse/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/split-horizon/poison-reverse/configd delete.sh\";\t\t\t\tmust \"not(../disable)\" {\t\t\t\t\terror-message \"You cannot configure 'split-horizon poison-reverse' and 'split-horizon disable' on the same interface\";\t\t\t\t}\t\t\t\t}\t\t\tleaf disable {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable split horizon\";\t\t\t\tdescription \"Disable split horizon\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/split-horizon/disable/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/split-horizon/disable/configd_delete.sh\";\t\t\t\tmust \"not(../poison-reverse)\" {\t\t\t\t\terror-message \"You cannot configure 'split-horizon poison-reverse' and 'split-horizon disable' on the same interface\";\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tleaf metric-offset {\t\t\t\ttype uint32 {\t\t\t\ttrange 1..16 {\t\t\t\t\terror-message \"Must be between 1-16\";\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"metric value\";\t\t\t\tdescription \"metric value\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/metric-offset/configd_update.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/metric-offset/configd delete.sh\";\t\t}\t\t\tleaf enable {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPng for interface\";\t\t\t\tdescription \"Enable RIPng for interface\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/enable/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/enable/configd_delete.sh\";\t\t}\t\t\tleaf neighbor {\t\t\t\ttype types:ipv6-address;\t\t\t\tconfigd:help \"IPv6 Link local address of neighbor\";\t\t\t\tdescription \"IPv6 Link local address of neighbor\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/neighbor/configd update.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/neighbor/configd delete.sh\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ripng/neighbor/configd validate.sh\";\t\t\t\tmust \"(../../../interfaces-l2tpeth:l2tp-session or ../../../../interfaces-l2tpeth:l2tp-session)\"\t\t\t\t   + \"or ((starts-with(current(), 'fe8'))\"\t\t\t\t\t+ \"or (starts-with(current(), 'fe9'))\"\t\t\t\t\t+ \"or (starts-with(current(), 'fea'))\"\t\t\t\t\t+ \"or (starts-with(current(), 'feb')))\" {\t\t\t\t\terror-message \"Neighbor address must be link local\";\t\t\t}\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bridge:bridge/interfaces-bridge:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-l2tpeth:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-loopback:loopback/interfaces-loopback:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-openvpn:openvpn/interfaces-openvpn:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-tunnel:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-vti:vti/interfaces-vti:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:ipv6 {\t\tuses itf-ipv6-ripng;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-bonding:ipv6 {\t\tuses itf-ipv6-ripng;\t}}</module<module name=\"vyatta-protocols-pim-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-pim-routing-instance:1\" revision=\"2016-04-18\" format=\"yang\" length=\"2023\"module vyatta-protocols-pim-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-pim-routing-instance:1\";\tprefix vyatta-protocols-pim-routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix routing;\t}\timport vyatta-protocols-pim-v1 {\t\tprefix pim;\t}\timport vyatta-routing-instance-interfaces-v1 {\t\tprefix rif;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-pim-routing-instance-v1\";\trevision 2016-04-18 {\t\tdescription \"Add Routing Instance support for pim \t\t\tAugment /routing/routing-instance/protocols\";\t}\taugment /routing:routing/routing:routing-instance/routing:protocols {\t\tuses pim:pim-parameters {\t\t\trefine pim {\t\t\t\tconfigd:end \"vyatta-pim 4 --routing-instance $VAR(../../@)\";\t\t\t}\t\t\trefine pim/register-source/interface {\t\t\t\tmust \"current() = /routing:routing/routing:routing-instance\" +\t\t\t\t\t\"[routing:instance-name = current()/../../../../routing:instance-name]\" +\t\t\t\t\t\"/rif:interface/rif:name\" {\t\t\t\t\terror-message \"Interface must be configured in this routing instance\";\t\t\t}\t\t\t}\t\t\trefine pim/bsr-candidate/interface {\t\t\t\tmust \"current() = /routing:routing/routing:routing-instance\" +\t\t\t\t\t\"[routing:instance-name = current()/../../../../routing:instance-name]\" +\t\t\t\t\t\"/rif:interface/rif:name\" {\t\t\t\t\terror-message \"Interface must be configured in this routing instance\";\t\t\t}\t\t\t}\t\t\trefine pim/rp-candidate/interface {\t\t\t\tmust \"current()/tagnode = /routing:routing/routing:routing-instance\" +\t\t\t\t\t\"[routing:instance-name = current()/../../../../routing:instance-name]\" +\t\t\t\t\t\"/rif:interface/rif:name\" {\t\t\t\t\terror-message \"Interface must be configured in this routing instance\";\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-interfaces-bridge-spanning-tree-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-bridge-

spanning-tree:1\" revision=\"2015-11-18\" format=\"yang\" length=\"4698\"module vyatta-interfaces-bridge-spanning-tree-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-bridge-spanning-tree:1\";\tprefix vyatta-interfaces-bridge-stp-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-interfaces-bridge-spanning-tree-v1\";\trevision 2015-11-18 {\t\tdescription \"Port cost range changed\";\t}\tgrouping spanning-tree-port {\t\tleaf cost {\t\t\ttype union {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..200000000;\t\t\t}\t\t\t\ttype enumeration {\t\t\t\t\tenum \"auto\" {\t\t\t\t\t\tdescription \"Determine port cost from line speed.\";\t\t\t\t\t\tconfigd:help \"Determine port cost from line speed\";\t\t\t\t\t}\t\t\t}\t\t\t}\t\t\tdefault \"auto\";\t\t\tdescription \"Spanning Tree port cost.\";\t\t\tconfigd:help \"Spanning Tree port cost\";\t\t}\t\tleaf priority {\t\t\ttype uint8 {\t\t\t\trange 0..15;\t\t}\t\t\tdefault \"8\";\t\t\tdescription \"Spanning Tree port priority.\";\t\t\tconfigd:help \"Spanning Tree port priority\";\t\t}\t\tleaf bpdu-guard {\t\t\ttype empty;\t\t\tdescription \"Bring the port down if a BPDU is received on the port.\";\t\t\tconfigd:help \"Enable Spanning Tree BPDU guard\";\t\t}\t\tleaf root-block {\t\t\ttype empty;\t\t\tdescription \"Restrict the ports role to that of Designated port. If the port receives a superior BPDU then change the port state to Listening (STP) or Discarding (RSTP) state.\";\t\t\tconfigd:help \"Restrict ports ability to take Spanning Tree root role\";\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-bridge:bridge-group {\t\tuses spanning-tree-port;\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-bridge:bridge-group {\t\tuses spanning-tree-port;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bridge:bridge-group {\t\tuses spanning-tree-port;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-bridge:bridge-group {\t\tuses spanning-tree-port;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-bridge:bridge-group {\t\tuses spanning-tree-port;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-bridge:bridge-group {\t\tuses spanning-tree-port;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-bridge:bridge-group {\t\tuses spanning-tree-port;\t}\taugment /if:interfaces/interfaces-bridge:bridge {\t\tcontainer spanning-tree {\t\t\tpresence \"Enable Spanning Tree Protocol\";\t\t\tdescription \"Enable Spanning Tree Protocol.\";\t\t\tconfigd:help \"Spanning Tree configuration\";\t\t\tconfigd:create \"vyatta-bridge-stp --bridge=$VAR(../@) --action=create\";\t\t\tconfigd:delete \"vyatta-bridge-stp --bridge=$VAR(../@) --action=delete\";\t\t\tmust \"2 * (forwarding-delay - 1) >= max-age\" {\t\t\t\terror-message \"Bridge timers don't meet 2 * (Bridge Forward Delay - 1 second) >= Bridge Max Age\";\t\t\t}\t\t\tleaf forwarding-delay {\t\t\t\ttype uint8 {\t\t\t\t\trange 4..30;\t\t\t}\t\t\t\tdefault \"15\";\t\t\t\tdescription \"Forwarding delay in seconds.\";\t\t\t\tconfigd:help \"Forwarding delay in seconds\";\t\t\t\tconfigd:update \"vyatta-bridge-stp --bridge=$VAR(../../@) --action=set_fwddly --val=$VAR(@)\";\t\t\t}\t\t\tleaf hello-time {\t\t\t\ttype uint8 {\t\t\t\t\trange 1..10;\t\t\t}\t\t\t\tdefault \"2\";\t\t\t\tdescription \"Hello packet advertisement interval in seconds.\";\t\t\t\tconfigd:help \"Hello packet advertisement interval in seconds\";\t\t\t\tconfigd:update \"vyatta-bridge-stp --bridge=$VAR(../../@) --action=set hello --val=$VAR(@)\";\t\t\t}\t\t\tleaf max-age {\t\t\t\ttype uint8 {\t\t\t\t\trange 6..40;\t\t\t}\t\t\t\tconfigd:help \"Interval in seconds at which neighbor bridges are removed\";\t\t\t\tdefault \"20\";\t\t\t\tdescription \"Interval in seconds at which neighbor bridges are removed.\";\t\t\t\tconfigd:update \"vyatta-bridge-stp --bridge=$VAR(../../@) --action=set maxage --val=$VAR(@)\";\t\t\t}\t\t\tleaf priority {\t\t\t\ttype uint8 {\t\t\t\t\trange 0..15;\t\t\t}\t\t\t\tconfigd:help \"Bridge priority\";\t\t\t\tdefault \"8\";\t\t\t\tdescription \"Bridge priority.\";\t\t\t\tconfigd:update \"vyatta-bridge-stp --bridge=$VAR(../../@) --action=set_priority --val=$VAR(@)\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-system-time-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-time-routing-instance:1\" revision=\"2016-06-16\" format=\"yang\" length=\"1664\"module vyatta-system-time-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-time-routing-instance:1\";\tprefix vyatta-system-time-routing-instance-v1;\timport vyatta-system-v1 {\t\tprefix system;\t}\timport vyatta-system-time-v1 {\t\tprefix time;\t}\timport vyatta-routing-v1 {\t\tprefix rt-instance;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t VRF NTP configuration\";\trevision 2016-06-16 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /rt-instance:routing/rt-instance:routing-instance/rt-instance:system {\t\tuses time:system-time-ntp {\t\t\trefine ntp {\t\t\t\tconfigd:create \"/opt/vyatta/sbin/vyatta_configure_ntp.pl --operation=start --rtinstance=$VAR(../../@)\";\t\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta_configure_ntp.pl --operation=stop --rtinstance=$VAR(../../@)\";\t\t\t\tconfigd:update \"/opt/vyatta/sbin/vyatta configure ntp.pl --operation=restart --rtinstance=$VAR(../../@)\";\t\t\t\tmust \"count(/system:system/time:ntp/time:server) = 0\" {\t\t\t\t\terror-message \"Cannot also configure NTP in default routing-instance\";\t\t\t}\t\t\t\tmust \"count(/rt-instance:routing/rt-instance:routing-instance[rt-instance:instance-name !=\"\t\t\t\t+ \"current()/../../rt-instance:instance-name]/rt-instance:system/ntp) = 0\" {\t\t\t\t\terror-message \"Cannot configure NTP in more than one routing-instance simultaneously\";\t\t\t}\t\t}\t\t}\t}}</module<module name=\"vyatta-system-login-sssd-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-login-sssd:1\" revision=\"2015-08-14\" format=\"yang\" length=\"1097\"module vyatta-system-login-sssd-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-login-sssd:1\";\tprefix vyatta-system-login-sssd-v1;\timport vyatta-system-v1 {\t\tprefix system;\t}\timport vyatta-system-login-v1 {\t\tprefix system-login;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-system-login-sssd-v1\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /system:system/system-login:login {\t\tcontainer auth-chain {\t\t\tconfigd:help \"Authentication chain\";\t\t\tleaf-list method {\t\t\t\tconfigd:help \"Authentication method\";\t\t\t\ttype enumeration {\t\t\t\t\tenum \"tacplus\" {\t\t\t\t\t\tconfigd:help \"TACACS+ authentication\";\t\t\t\t\t}\t\t\t\t\tenum \"local\" {\t\t\t\t\t\tconfigd:help \"Local authentication\";\t\t\t\t\t}\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-pim6-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-pim6:1\" revision=\"2016-08-16\" format=\"yang\"

length=\"19791\"module vyatta-protocols-pim6-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-pim6:1\";\tprefix vyatta-protocols-pim6-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\t\tprefix interfaces-loopback;\t}\timport vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-vti-v1 {\t\tprefix interfaces-vti;\t}\timport vyatta-protocols-pim-interface-v1 {\t\tprefix pim-interface;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-route;\t}\timport vyatta-protocols-pim-common-v1 {\t\tprefix pim-common;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-pim6-v1\";\trevision 2016-08-16 {\t\tdescription \"Deprecate msdp log leaf\";\t}\trevision 2016-08-02 {\t\tdescription \"Add must statements to replace local-only validation\";\t}\trevision 2016-03-09 {\t\tdescription \"Add leafrefs and must statements to replace local-only validation\t\t\tAugment /routing/routing-instance/protocols\";\t}\trevision 2015-07-28 {\t\tdescription \"New module, replaces vyatta-protocols-pim6\";\t}\tgrouping pim6-parameters {\t\tcontainer pim6 {\t\t\tconfigd:help \"IPv6 Protocol Independent Multicasting (PIM)\";\t\t\tcontainer register-source {\t\t\t\tconfigd:help \"Configure the source address of Register packets sent by this DR\";\t\t\t\tmust \"not(interface and address)\" {\t\t\t\t\terror-message \"address and interface cannot be configured simultaneously\";\t\t\t\t}\t\t\t\tuses pim-common:interface-leaf {\t\t\t\t\trefine interface {\t\t\t\t\t\tconfigd:help \"The name of the interface to use as the source of the register packets\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf address {\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t// Not multicast or loopback.\t\t\t\t\tmust \"(not(starts-with(., 'ff'))) and \" +\t\t\t\t\t\t\"(not(. = '::1'))\" {\t\t\t\t\t\terror-message \"Not a valid IPv6 unicast address.\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"IPv6 address to use as the source of the register packets\";\t\t\t\t}\t\t\t}\t\t\tcontainer bsr-candidate {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"BSR-candidate configuration\";\t\t\t\tleaf priority {\t\t\t\t\ttype uint8;\t\t\t\t\tconfigd:help \"Priority for a BSR candidate\";\t\t\t\t\tdefault \"64\";\t\t\t\t}\t\t\t\tuses pim-common:interface-leaf {\t\t\t\t\trefine interface {\t\t\t\t\t\tconfigd:help \"BSR-candidate interface name\";\t\t\t\t\t\tmandatory true;\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf hash-mask {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..128;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Hash mask length for RP selection\";\t\t\t\t\tdefault \"126\";\t\t\t\t}\t\t\t\tleaf rp-embedded {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Turn on IPv6 RP Embedded\";\t\t\t\t}\t\t\t\tleaf ignore-rp-set-priority {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Ignore the RP-SET priority value, and use only the hashing mechanism for RP selection\";\t\t\t}\t\t\tlist anycast-rp {\t\t\t\tconfigd:help \"Configure the Anycast RP in the RP set\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t// Not multicast or loopback.\t\t\t\t\tmust \"(not(starts-with(., 'ff'))) and \" +\t\t\t\t\t\t\"(not(. = '::1'))\" {\t\t\t\t\t\terror-message \"Not a valid IPv6 unicast address.\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Configure the Anycast RP in the RP set\";\t\t\t}\t\t\tleaf-list anycast-rp-peer {\t\t\t\tmin-elements 1;\t\t\t\ttype types:ipv6-address;\t\t\t\t// Not multicast or loopback.\t\t\t\tmust \"(not(starts-with(., 'ff'))) and \" +\t\t\t\t\t\"(not(. = '::1'))\" {\t\t\t\t\terror-message \"Not a valid IPv6 unicast address.\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Destination IPv6 address where Register messages are copied and sent\";\t\t\t}\t\t\tleaf register-rp-reachability {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable the RP reachability check for IPv6 PIM Registers at the DR\";\t\t}\t\tcontainer accept-register {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Configure the ability to filter out multicast sources specified by the given access-list at the RP\";\t\t\tleaf list {\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t}\t\t\t\tconfigd:help \"Specify access list\";\t\t\t}\t\t}\t\tcontainer spt-threshold {\t\t\tconfigd:help \"Turn off the ability of the last-hop PIM router to switch to SPT\";\t\t\tcontainer infinity {\t\t\t\tconfigd:help \"Turn off the ability of the last-hop PIM router to switch to SPT\";\t\t\t\tpresence \"Set SPT threshold to infinity\";\t\t\t\tleaf group-list {\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Enable the ability for the last-hop PIM router to switch to SPT for multicast group addresses indicated by the given access-list\";\t\t\t}\t\t\t}\t\t\tcontainer legacy-register-checksum {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Configure the option to calculate the register checksum over the whole packet\";\t\t\t\tleaf group-list {\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Configure the option to calculate the register checksum over the whole packet on multicast groups specified by the access-list\";\t\t\t}\t\t\t}\t\t\tleaf register-kat {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"Configure a Keepalive Timer (KAT) value for (S,G) states at RP to monitor IPv6 PIM register packets\";\t\t}\t\tcontainer rp-candidate {\t\t\tpresence \"true\";\t\t\tconfigd:help \"rp-candidate configuration\";\t\t\tlist interface {\t\t\t\tunique \"group-list\";\t\t\t\tconfigd:help \"RP-candidate interface name\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/interface_allowed.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tuses pim-common:interface-tagnode {\t\t\t\t\trefine tagnode {\t\t\t\t\t\tconfigd:help \"RP-candidate interface name\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf priority {\t\t\t\t\ttype uint8;\t\t\t\t\tconfigd:help \"A candidate-RP priority\";\t\t\t\t}\t\t\t\tleaf interval {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..16383;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"A candidate-RP advertisement interval\";\t\t\t\t}\t\t\t\tleaf group-list {\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Specify the group ranges for this candidate RP\";\t\t\t\t}\t\t\t}\t\t}\t\tleaf register-suppression-timer {\t\t\ttype uint32 {\t\t\t\trange 11..65535 {\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"Configure the register-suppression time\";\t\t\tdefault \"60\";\t\t}\t\tleaf join-prune-timer {\t\t\ttype uint32 {\t\t\t\trange 1..65535 {\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"Set a IPv6 PIM join/prune timer\";\t\t}\t\tleaf register-rate-limit {\t\t\ttype uint32 {\t\t\t\trange 1..65535;\t\t\t}\t\t\tconfigd:help \"Configure the rate of Register packets sent by this designated router (DR)\";\t\t}\t\tcontainer ssm {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Configure Source Specific Multicast (SSM)\";\t\t\tmust \"not(default and range)\" {\t\t\t\terror-message \"range and default cannot both be configured\";\t\t\t}\t\t\tleaf default {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Defines the

FF3x::/32 group range for SSM\";\t\t\t\t}\t\t\t\t\tleaf range {\t\t\t\t\tmust \"not(/policy:policy/policy-route:route/policy-route:access-list6[policy-route:tagnode = current()]\" +\t\t\t\t\t\t\t \"/policy-route:rule[policy-route:action = 'permit' and policy-route:source/policy-route:network]) or \" +\t\t\t\t\t\t\t \"count(/policy:policy/policy-route:route/policy-route:access-list6[policy-route:tagnode = current()]\" +\t\t\t\t\t\t\t\"/policy-route:rule[policy-route:action = 'permit']/policy-route:source/policy-route:network\" +\t\t\t\t\t\t\t\"[starts-with(., 'ff')]) = count(/policy:policy/policy-route:route/policy-route:access-list6\" +\t\t\t\t\t\t\t\"[policy-route:tagnode = current()]/policy-route:rule[policy-route:action = 'permit']\" +\t\t\t\t\t\t\t\"/policy-route:source/policy-route:network)\" {\t\t\t\t\t\tdescription \"All 'source network', 'action permit' rules must specify a multicast address\";\t\t\t\t\t\terror-message \"Only multicast addresses are valid for 'source network', 'action permit' rules\";\t\t\t\t\t}\t\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Define an access-list for group range to use for SSM\";\t\t\t\t}\t\t\t\t}\t\t\t\tlist rp-address {\t\t\t\tconfigd:help \"Statically configure an IPV6 RP address for multicast groups\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\tmust \"(not(starts-with(., 'ff'))) and \" +\t\t\t\t\t\"(not(. = '::1'))\" {\t\t\t\t\terror-message \"Not a valid IPv6 unicast address.\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Statically configure an IPV6 RP address for multicast groups\";\t\t\t\t}\t\t\t\tleaf list {\t\t\t\t\tmust \"not(/policy:policy/policy-route:route/policy-route:access-list6[policy-route:tagnode = current()]\" +\t\t\t\t\t\t\t \"/policy-route:rule[policy-route:action = 'permit' and policy-route:source/policy-route:network]) or \" +\t\t\t\t\t\t\t \"count(/policy:policy/policy-route:route/policy-route:access-list6[policy-route:tagnode = current()]\" +\t\t\t\t\t\t\t\"/policy-route:rule[policy-route:action = 'permit']/policy-route:source/policy-route:network\" +\t\t\t\t\t\t\t\"[starts-with(., 'ff')]) = count(/policy:policy/policy-route:route/policy-route:access-list6\" +\t\t\t\t\t\t\t\"[policy-route:tagnode = current()]/policy-route:rule[policy-route:action = 'permit']\" +\t\t\t\t\t\t\t\"/policy-route:source/policy-route:network)\" {\t\t\t\t\t\tdescription \"All 'source network', 'action permit' rules must specify a multicast address\";\t\t\t\t\t\terror-message \"Only multicast addresses are valid for 'source network', 'action permit' rules\";\t\t\t\t\t}\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Configure IPv6 static-RP address for specific group ranges\";\t\t\t\t}\t\t\t\tleaf override {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Set to take precedence over dynamically learned mappings\";\t\t\t\t}\t\t\t}\t\t\tcontainer log {\t\t\tconfigd:help \"Protocol Independent Multicast (PIM6) logging parameters\";\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable all PIM6 logs\";\t\t\t}\t\t\tleaf events {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM6 debugging for general configuration, Virtual Routing (VR)\";\t\t\t}\t\t\tleaf mfc {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM6 debugging for MFC updates\";\t\t\t}\t\t\tleaf mib {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM6 debugging for MIB entries\";\t\t\t}\t\t\tleaf mtrace {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM6 debugging for MTRACE messages\";\t\t\t}\t\t\tleaf nexthop {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM6 debugging for RPF neighbor nexthop cache handling\";\t\t\t}\t\t\tleaf state {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM6 debugging for PIM states\";\t\t\t}\t\t\tleaf nsm {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM6 debugging for PIM nsm\";\t\t\t}\t\t\tleaf msdp {\t\t\t\tstatus deprecated;\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM6 debugging for PIM msdp\";\t\t\t}\t\t\tcontainer packet {\t\t\t\tconfigd:help \"Enable PIM6 debugging for PIM packets\";\t\t\t\tleaf all {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable PIM6 debugging for all PIM packets\";\t\t\t\t}\t\t\t\tleaf send {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable PIM6 debugging for outgoing PIM packets\";\t\t\t\t}\t\t\t\tleaf recv {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable PIM6 debugging for incoming PIM packets\";\t\t\t\t}\t\t\t}\t\t\tcontainer timer {\t\t\t\tconfigd:help \"Enable PIM6 debugging for PIM timers\";\t\t\t\tleaf all {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable PIM6 debugging for all PIM timers\";\t\t\t\t}\t\t\t\tcontainer assert {\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for PIM assert timers\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for all PIM assert timers\";\t\t\t\t\t}\t\t\t\t\tleaf at {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for PIM Assert Timer\";\t\t\t\t\t}\t\t\t\t\tcontainer bsr {\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for PIM BSR timers\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for all PIM BSR timers\";\t\t\t\t\t}\t\t\t\t\tleaf bst {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for bootstrap Timer\";\t\t\t\t\t}\t\t\t\t\tleaf crp {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for the Candidate-RP timer\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer hello {\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for various PIM timers\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for all PIM hello timers\";\t\t\t\t\t}\t\t\t\t\tleaf ht {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for PIM Hello timer\";\t\t\t\t\t}\t\t\t\t\tleaf nlt {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for PIM Neighbor Liveliness timer\";\t\t\t\t\t}\t\t\t\t\tleaf tht {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for Triggered Hello Timer\";\t\t\t\t\t}\t\t\t\t\tcontainer joinprune {\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for various PIM JoinPrune timers\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for all PIM joinPrune timers\";\t\t\t\t\t}\t\t\t\t\tleaf et {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for various PIM JoinPrune expiry timer\";\t\t\t\t\t}\t\t\t\t\tleaf jt {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for various PIM JoinPrune upstream Join Timer\";\t\t\t\t\t}\t\t\t\t\tleaf kat {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for various PIM JoinPrune Keep Alive timer\";\t\t\t\t\t}\t\t\t\t\tleaf ot {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for various PIM JoinPrune Upstream Override Timer\";\t\t\t\t\t}\t\t\t\t\tleaf ppt {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for various PIM JoinPrune timers PrunePending Timer\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer register

```
{\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging for various PIM register
timer\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol
Independent Multicast (PIM6) debugging for all PIM register timers\";\t\t\t\t\t}\t\t\t\t\tleaf rst
{\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM6) debugging
for various PIM Register Stop Timer\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t\t}\t}\taugment
/protocols:protocols {\t\tuses pim6-parameters {\t\t\trefine pim6 {\t\t\t\tconfigd:end \"vyatta-pim
6\";\t\t\t}\t\trefine pim6/register-source/interface {\t\t\tmust \"not(/*[local-name(.) = 'routing']\"
+\t\t\t\t\t \"/*[local-name(.) = 'routing-instance']\" +\t\t\t\t\t \"/*[local-name(.) = 'interface']\"
+\t\t\t\t\t \"/*[local-name(.) = 'name'][. = current()])\" {\t\t\t\terror-message \"Interface must not be
configured in a routing instance\";\t\t\t}\t\t\t}\t\t\trefine pim6/bsr-candidate/interface {\t\t\tmust
\"not(/*[local-name(.) = 'routing']\" +\t\t\t\t\t \"/*[local-name(.) = 'routing-instance']\" +\t\t\t\t\t
\"/*[local-name(.) = 'interface']\" +\t\t\t\t\t \"/*[local-name(.) = 'name'][. = current()])\"
{\t\t\t\terror-message \"Interface must not be configured in a routing
instance\";\t\t\t}\t\t\t}\t\t\trefine pim6/rp-candidate/interface {\t\t\tmust \"not(/*[local-name(.) =
'routing']\" +\t\t\t\t\t \"/*[local-name(.) = 'routing-instance']\" +\t\t\t\t\t \"/*[local-name(.) =
'interface']\" +\t\t\t\t\t \"/*[local-name(.) = 'name'][. = current()])\" {\t\t\t\terror-message
\"Interface must not be configured in a routing instance\";\t\t\t}\t\t\t}\t\t}\t}\taugment
/if:interfaces/interfaces-bridge:bridge/interfaces-bridge:ipv6 {\t\tuses pim-interface:pim6-interface-
parameters {\t\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 6
$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 6 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment
/if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ipv6 {\t\tuses pim-interface:pim6-
interface-parameters {\t\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 6
$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 6 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment
/if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ipv6 {\t\tuses
pim-interface:pim6-interface-parameters {\t\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-
validate 6 $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 6
$VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
l2tpeth:l2tpeth/interfaces-l2tpeth:ipv6 {\t\tuses pim-interface:pim6-interface-parameters {\t\t\trefine pim
{\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 6 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-
interface 6 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-
l2tpeth:vif/interfaces-l2tpeth:ipv6 {\t\tuses pim-interface:pim6-interface-parameters {\t\t\trefine pim
{\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 6
$VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 6
$VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
loopback:loopback/interfaces-loopback:ipv6 {\t\tuses pim-interface:pim6-interface-parameters {\t\t\trefine
pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 6 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-
pim-interface 6 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
openvpn:openvpn/interfaces-openvpn:ipv6 {\t\tuses pim-interface:pim6-interface-parameters {\t\t\trefine pim
{\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 6 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-
interface 6 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-
tunnel:ipv6 {\t\tuses pim-interface:pim6-interface-parameters {\t\t\trefine pim {\t\t\t\tconfigd:validate
\"vyatta-pim-interface-validate 6 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 6
$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-vti:vti/interfaces-vti:ipv6 {\t\tuses pim-
interface:pim6-interface-parameters {\t\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-
validate 6 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 6
$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:ipv6
{\t\tuses pim-interface:pim6-interface-parameters {\t\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-
interface-validate 6 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 6
$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-
bonding:vif/interfaces-bonding:ipv6 {\t\tuses pim-interface:pim6-interface-parameters {\t\t\trefine pim
{\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 6
$VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 6
$VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-policy-pbr-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-policy-pbr:1\" revision=\"2016-05-19\" format=\"yang\"
length=\"5481\"module vyatta-policy-pbr-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-policy-pbr:1\";\tprefix
vyatta-policy-pbr-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-interfaces-v1 {\t\tprefix
if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-
l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-
bonding;\t}\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix
policy-route;\t}\timport vyatta-interfaces-policy-v1 {\t\tprefix interfaces-policy;\t}\timport configd-v1
{\t\tprefix configd;\t}\timport vyatta-fw-types-v1 {\t\tprefix fw-types;\t}\timport vyatta-npf-v1 {\t\tprefix
npf;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems,
Inc.\t Postal: 130 Holger Way\t\t       San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t All
rights reserved.\t YANG module and scripts for Vyatta Policy-based Routing (PBR)\";\trevision 2016-05-19
{\t\tdescription \"Relax the rule-pbr action 'must' condition to allow routing-instance\t\t\t   without a
routing table. In this case, the 'main' table (254) will be used.\";\t}\trevision 2016-04-06 {\t\tdescription
\"Deprecated PBR config-trap.\";\t}\trevision 2016-01-31 {\t\tdescription \"Make table-ID optional, so it can
be omitted when the action is 'drop'.\t\t\t     Refine npf:action-fw-pbr, adding a 'must' to check the\t\t\t
action, address-family, and table configs.\";\t}\trevision 2015-12-07 {\t\tdescription \"Remove references to
'firewall' from configd:help in PBR yang.\";\t}\trevision 2015-09-30 {\t\tdescription \"Initial
revision.\";\t}\ttypedef policy-name-suffix {\t\ttype types:alpha-numeric {\t\t\tlength
\"1..28\";\t\t}\t}\tgrouping rule-pbr {\t\tuses npf:rule-common;\t\tuses npf:action-fw-pbr {\t\t\trefine
action {\t\t\t\tmust \"../address-family and ((current() = 'drop') or ../table or (../*[local-name(.) =
'routing-instance']))\" {\t\t\t\t\terror-message \"'address-family' is mandatory.\\n\" +\t\t\t\t\t\t
\"The 'accept' action requires 'table' (or 'routing-instance', if available).\";\t\t\t\t}\t\t\t}\t\t}\t\t\tleaf
table {\t\t\ttype uint32 {\t\t\t\trange 1..128;\t\t\t}\t\t\tdescription \"Policy Based Routing Table
ID\";\t\t\tconfigd:help \"Policy Based Routing Table ID\";\t\t}\t\t\tleaf address-family {\t\t\ttype
enumeration {\t\t\t\tenum \"ipv4\" {\t\t\t\t\tdescription \"IPv4 address family\";\t\t\t\t\tconfigd:help
\"IPv4 address family\";\t\t\t\t}\t\t\t\tenum \"ipv6\" {\t\t\t\t\tdescription \"IPv6 address
family\";\t\t\t\t\tconfigd:help \"IPv6 address family\";\t\t\t\t}\t\t\t}\t\t\tmandatory
true;\t\t\tdescription \"Address family for this ruleset\";\t\t\tconfigd:help \"Address family for this
ruleset\";\t\t}\t}\tgrouping pbr-if-parameters {\t\tcontainer route {\t\t\tconfigd:help \"PBR
Options\";\t\t\tconfigd:end \"end-npf-if $VAR(../../) $VAR(../../@) route\";\t\t\tleaf-list pbr {\t\t\t\ttype
```

policy-name-suffix {\t\t\t\tconfigd:help \"PBR ruleset name\";\t\t\t\t}\t\t\t\tordered-by
\"user\";\t\t\t\tconfigd:help \"Ruleset for PBR routed packets on inbound interface\";\t\t\t\tconfigd:allowed
\"echo $VAR(/policy/route/pbr/@@)\";\t\t\t\tconfigd:validate \"check-pbr-ruleset-
exists\";\t\t\t}\t\t\t}\t}\tgrouping pbr-vif-if-parameters {\t\tuses pbr-if-parameters {\t\t\trefine route
{\t\t\t\tconfigd:end \"end-npf-if $VAR(../../../) '$VAR(../../../@) vif $VAR(../../@)'
route\";\t\t\t}\t\t}\t}\taugment /policy:policy/policy-route:route {\t\ttlist pbr {\t\t\tconfigd:priority
\"310\";\t\t\tconfigd:help \"PBR group\";\t\t\tconfigd:validate \"validate-fw-groups --
variant=route\";\t\t\tconfigd:delete \"vyatta-dp-npf.pl --variant=route --cmd=delete-group --
group=$VAR(@)\";\t\t\tconfigd:end \"end-pbr-ruleset $VAR(@)\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode
{\t\t\t\ttype policy-name-suffix {\t\t\t\tconfigd:help \"PBR group\";\t\t\t}\t\t\t}\t\t\tleaf description
{\t\t\t\ttype string;\t\t\t\tconfigd:help \"Ruleset description\";\t\t\t}\t\t\tlist rule
{\t\t\t\tconfigd:help \"Rule number\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype fw-
types:rule-number;\t\t\t\t}\t\t\t\tuses rule-pbr;\t\t\t}\t\t\t}\tleaf config-trap {\t\t\t\tdescription \"Provide
SNMP configuration traps for PBR events.\t\t\t\t   Deprecated because the CLI was added by
mistake\t\t\t\t   (cloned from firewall) and had no effect.\t\t\t\t   Config traps should be provided
at a high level\t\t\t\t   across features rather than per feature.\";\t\t\t\tstatus
deprecated;\t\t\t\ttype enumeration {\t\t\t\tenum \"enable\" {\t\t\t\t\tconfigd:help \"Enable sending
SNMP trap on policy configuration change\";\t\t\t\t}\t\t\t\tenum \"disable\" {\t\t\t\t\tconfigd:help
\"Disable sending SNMP trap on policy configuration change\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:help \"SNMP
trap generation on policy configuration changes\";\t\t\tdefault \"disable\";\t\t\t}\t\t}\taugment
/if:interfaces/interfaces-dataplane:dataplane/interfaces-policy:policy {\t\tuses pbr-if-
parameters;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-
policy:policy {\t\tuses pbr-vif-if-parameters;\t}\taugment /if:interfaces/interfaces-
l2tpeth:l2tpeth/interfaces-policy:policy {\t\tuses pbr-if-parameters;\t}\taugment /if:interfaces/interfaces-
l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-policy:policy {\t\tuses pbr-vif-if-parameters;\t}\taugment
/if:interfaces/interfaces-bonding:bonding/interfaces-policy:policy {\t\tuses pbr-if-parameters;\t}\taugment
/if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-policy:policy {\t\tuses pbr-vif-
if-parameters;\t}}</module><module name=\"vyatta-security-ssh-known-hosts-routing-instance-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-security-ssh-known-hosts-routing-instance:1\" revision=\"2016-04-13\"
format=\"yang\" length=\"1085\"module vyatta-security-ssh-known-hosts-routing-instance-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-security-ssh-known-hosts-routing-instance:1\";\tprefix vyatta-security-ssh-
known-hosts-routing-instance-v1;\timport vyatta-security-ssh-known-hosts-v1 {\t\tprefix known-
hosts;\t}\timport vyatta-routing-v1 {\t\tprefix rt-instance;\t}\timport configd-v1 {\t\tprefix
configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communication Systems, Inc.\t\t All
rights reserved.\t routing-instance SSH known hosts configuration\";\trevision 2016-04-13 {\t\tdescription
\"Initial revision of version 1.\";\t}\taugment /rt-instance:routing/rt-instance:routing-instance/rt-
instance:security {\t\tuses known-hosts:ssh-known-host {\t\t\trefine ssh-known-hosts {\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/security/ssh-known-hosts/configd_vrf_end.sh
$VAR(../../@)\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-protocols-bfd-routing-instance-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-bfd-routing-instance:1\" revision=\"2016-05-10\"
format=\"yang\" length=\"3179\"module vyatta-protocols-bfd-routing-instance-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-protocols-bfd-routing-instance:1\";\tprefix vyatta-protocols-bfd-routing-
instance-v1;\timport configd-v1 {\t\tprefix configd;\t} \timport vyatta-routing-v1 {\t\tprefix vyatta-
routing;\t}\timport vyatta-protocols-bfd-v1 {\t\tprefix protocols-bfd;\t}\timport vyatta-protocols-static-
routing-instance-v1 {\t\tprefix routing-instance-static;\t}\timport vyatta-protocols-ospf-routing-instance-v1
{\t\tprefix routing-instance-ospf;\t}\timport vyatta-protocols-ospfv3-routing-instance-v1 {\t\tprefix
routing-instance-ospfv3;\t}\timport vyatta-protocols-bgp-routing-instance-v1 {\t\tprefix routing-instance-
bgp;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems,
Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t The YANG module package for vyatta-protocols-bfd-routing-instance-v1\";\trevision 2016-
05-10 {\t\tdescription \"Initial revision of version 1 :\t\t1. Introduced routing-instance (VRF) support for
bfd over ipv6 static route.\t\t2. Introducing support for enabling/disabling BFD logs independently on each
routing-instance.\";\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-
routing:protocols/routing-instance-static:static/routing-instance-static:route/routing-instance-static:next-
hop {\t\tuses protocols-bfd:enable-fall-over-bfd;\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-
instance/vyatta-routing:protocols {\t\tcontainer bfd {\t\t\tuses protocols-bfd:session-template;\t\t\tuses
protocols-bfd:bfd-logging;\t\t}\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-
routing:protocols/routing-instance-static:static/routing-instance-static:route6/routing-instance-static:next-
hop {\t\tuses protocols-bfd:enable-fall-over-bfd;\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-
instance/vyatta-routing:protocols/routing-instance-bgp:bgp/routing-instance-bgp:neighbor {\t\tuses protocols-
bfd:enable-fall-over-bfd;\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-
routing:protocols/routing-instance-ospf:ospf/routing-instance-ospf:process/routing-instance-
ospf:area/routing-instance-ospf:virtual-link {\t\tuses protocols-bfd:enable-fall-over-bfd {\t\t\trefine fall-
over/bfd {\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/all/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/all/fall-
over/bfd/configd_delete.sh\";\t\t\t}\t\t}\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-
instance/vyatta-routing:protocols/routing-instance-ospfv3:ospfv3/routing-instance-ospfv3:process/routing-
instance-ospfv3:area/routing-instance-ospfv3:virtual-link {\t\tuses protocols-bfd:enable-fall-over-bfd
{\t\t\trefine fall-over/bfd {\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/all/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/all/fall-
over/bfd/configd_delete.sh\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-protocols-ecmp-routing-instance-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-ecmp-routing-instance:1\" revision=\"2016-06-01\"
format=\"yang\" length=\"1219\"module vyatta-protocols-ecmp-routing-instance-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-protocols-ecmp-routing-instance:1\";\tprefix vyatta-protocols-ecmp-routing-
instance-v1;\timport vyatta-protocols-ecmp-v1 {\t\tprefix vyatta-ecmp;\t}\timport vyatta-routing-v1
{\t\tprefix vyatta-routing;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger
Way\t\t   San Jose, CA 95134 \t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\tAll rights
reserved.\t\tThis module is to enable configuring max ecmp paths for a\t\tgiven routing-
instance.\";\trevision 2016-06-01 {\t\tdescription\t\t\t\"This module is to enable configuring max ecmp paths

for a\t\t\tgiven routing-instance.\"; \t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-routing:protocols {\t\tcontainer ecmp {\t\t\tconfigd:help \"Equal-cost multi-path routing parameters for routing instance\";\t\t\tdescription \"Equal-cost multi-path routing parameters for routing instance\";\t\t\tuses vyatta-ecmp:ecmp-paths; \t\t\tuses vyatta-ecmp:disable; \t\t}\t}}</module<module name=\"vyatta-policy-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-policy:1\" revision=\"2015-08-05\" format=\"yang\" length=\"744\"module vyatta-policy-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-policy:1\";\tprefix vyatta-policy-v1;\timport configd-v1 {\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t \t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-policy-v1\";\trevision 2015-08-05 {\t\tdescription \"Initial revision of version 1.\";\t}\tcontainer policy {\t\tconfigd:help \"PBR, QoS, and routing policy\";\t}\tgrouping policy-binding {\t\tcontainer policy {\t\t\tconfigd:help \"Policy bindings\";\t\t}\t}}</module<module name=\"vyatta-service-sflow-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-sflow-routing-instance:1\" revision=\"2016-01-13\" format=\"yang\" length=\"1074\"module vyatta-service-sflow-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-sflow-routing-instance:1\";\tprefix vyatta-service-sflow-routing-instance-v1;\timport vyatta-services-v1 {\tprefix service;\t}\timport configd-v1 {\tprefix configd;\t}\timport vyatta-service-sflow-v1 {\tprefix sflow;\t}\timport vyatta-routing-v1 {\tprefix rd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-sflow-routing-instance-v1\";\trevision 2016-01-13 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /service:service/sflow:sflow/sflow:server-address {\t\tleaf routing-instance {\t\t\ttype leafref {\t\t\t\tpath \"/rd:routing/rd:routing-instance/rd:instance-name\";\t\t\t}\t\t\tconfigd:help \"Routing Domain used to export packets to collector\";\t\t}\t}}</module<module name=\"vyatta-protocols-ospfv3-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-ospfv3:1\" revision=\"2016-07-26\" format=\"yang\" length=\"48641\"module vyatta-protocols-ospfv3-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-ospfv3:1\";\tprefix vyatta-protocols-ospfv3-v1;\timport vyatta-types-v1 {\tprefix types;\t}\timport vyatta-protocols-v1 {\tprefix protocols;\t}\timport configd-v1 {\tprefix configd;\t}\timport vyatta-policy-v1 {\tprefix policy;\t}\timport vyatta-policy-route-v1 {\tprefix policy-route;\t}\timport vyatta-interfaces-v1 {\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\tprefix if-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\tprefix if-dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\tprefix if-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\tprefix if-loopback;\t}\timport vyatta-interfaces-openvpn-v1 {\tprefix if-openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\tprefix if-tunnel;\t}\timport vyatta-interfaces-vti-v1 {\tprefix if-vti;\t}\timport vyatta-interfaces-bonding-v1 {\tprefix if-bonding;\t}\timport vyatta-protocols-interface-validation-v1 {\tprefix if-validation;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-ospfv3-v1\";\t\trevision 2016-07-26 {\t\tdescription \"Removed must statement for range under area node and\t\t\tadded validation script,\t\t\tRemove passive-interface[-exclude] validation for\t\t\tterspan interfaces,\t\t\tRemoved must statement for neighbor and added validate script,\t\t\tCreated a new grouping for distribute-list under process\t\t\tconfigurations,\t\t\tAddition of validation script for range under ospfv3 process\t\t\tipv4 address family unicast,\t\t\tAddition of instance-id validation for ospfv3 process\t\t\tunder interface,\t\t\tAdded validation for area,\t\t\tRenaming of passive-interface and passive-interface-exclude grouping,\t\t\tImproved validation for passive interface CLI,\t\t\tdefault-information originate script changes\";\t}\trevision 2016-03-17 {\t\tdescription \"Revision 2 - Enabling ospfv3 VRF CLI\";\t}\trevision 2016-02-17 {\t\tdescription \"New import of interface validation yang file and\t\t\tReplaced validation scripts with yang grammar\";\t}\trevision 2016-02-02 {\t\tdescription \"Yang refactoring - yang grouping is done and new typedefs added\";\t}\trevision 2015-08-06 {\t\tdescription \"Initial revision of version 1\";\t}\ttypedef metric {\t\ttype uint32 {\t\t\trange 0..16777214;\t\t}\t}\ttypedef metric-type {\t\ttype uint32 {\t\t\trange 1..2;\t\t}\t}\ttypedef protocol {\t\ttype enumeration {\t\t\tenum \"bgp\";\t\t\tenum \"connected\";\t\t\tenum \"kernel\";\t\t\tenum \"rip\";\t\t\tenum \"static\";\t\t}\t}\ttypedef distance {\t\ttype uint32 {\t\t\trange 1..254;\t\t}\t}\ttypedef timer-val {\t\ttype uint32 {\t\t\trange 1..65535;\t\t}\t}\ttypedef spf-and-stability-interval {\t\ttype uint32 {\t\t\trange 0..2147483647;\t\t}\t}\ttypedef cost {\t\ttype uint32 {\t\t\trange 1..65535;\t\t}\t}\ttypedef tag {\t\ttype uint32 {\t\t\trange min..2147483647;\t\t}\t}\ttypedef abr-type {\t\ttype enumeration {\t\t\tenum \"cisco\";\t\t\tenum \"ibm\";\t\t\tenum \"standard\";\t\t}\t}\ttypedef nssa-tranlator-role {\t\ttype enumeration {\t\t\tenum \"candidate\" {\t\t\t\tconfigd:help \"Candidate for translator\";\t\t\t}\t\t\tenum \"always\" {\t\t\t\tconfigd:help \"Translate always\";\t\t\t}\t\t}\t}\ttypedef network-type {\t\ttype enumeration {\t\t\tenum \"broadcast\" {\t\t\t\tconfigd:help \"Broadcast network type\";\t\t\t}\t\t\tenum \"non-broadcast\" {\t\t\t\tconfigd:help \"Non-broadcast network type\";\t\t\t}\t\t\tenum \"point-to-point\" {\t\t\t\tconfigd:help \"Point-to-point network type\";\t\t\t}\t\t\tenum \"point-to-multipoint\" {\t\t\t\tconfigd:help \"Point-to-multipoint network type\";\t\t\t}\t}\tgrouping ospfv3-ipv6-summary-address {\t\tlist summary-address {\t\t\tconfigd:help \"OSPFv3 Summary address\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype types:ipv6-prefix;\t\t\t\tconfigd:help \"OSPFv3 Summary address\";\t\t\t\tmust \"(../advertise) or (../not-advertise)\" {\t\t\t\t\terror-message \"Must specify one of advertise or not-advertise\";\t\t\t\t}\t\t\t}\t\t\tcontainer advertise {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"OSPFv3 summary address which should be advertised\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/advertise/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/advertise/configd_delete.sh\";\t\t\t\tmust \"not(../not-advertise)\" {\t\t\t\t\terror-message \"Can't configure both advertise and not-advertise for summary-address\";\t\t\t\t}\t\t\t\tleaf tag {\t\t\t\t\ttype tag;\t\t\t\t\tconfigd:help \"OSPFv3 tag identifier for summary address.\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/advertise/tag/configd_create.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/advertise/tag/configd_delete.sh\";\t\t\t\t}\t\t\t}\t\t\tleaf not-advertise {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"OSPFv3 summary address which shouldn't be advertised\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/not-advertise/configd_create.sh\";\t\t\t\tconfigd:delete

```
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/not-
advertise/configd delete.sh\";\t\t\t}\t\t}\t}\tgrouping ospfv3-ipv4-summary-address {\t\tlist summary-address
{\t\t\tconfigd:help \"OSPFv3 Summary address for address family\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode
{\t\t\t\ttype types:ipv4-prefix;\t\t\t\tconfigd:help \"OSPFv3 Summary address for address
family\";\t\t\t\tmust \"(../advertise) or (../not-advertise)\" {\t\t\t\t\terror-message \"Must specify one of
advertise or not-advertise\";\t\t\t\t}\t\t\t}\t\t\tcontainer advertise {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"OSPFv3 summary address which should be advertised\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-
address/advertise/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/advertise/configd delete.sh\";\t\t\t\tmust
\"not(../not-advertise)\" {\t\t\t\t\terror-message \"Can't configure both advertise and not-advertise for
summary-address\";\t\t\t\t}\t\t\t\tleaf tag {\t\t\t\t\ttype tag;\t\t\t\t\tconfigd:help \"OSPFv3 tag
identifier for summary address.\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-
address/advertise/tag/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-
address/advertise/tag/configd_delete.sh\";\t\t\t\t}\t\t\t}\t\t\tleaf not-advertise {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"OSPFv3 summary address which shouldn't be advertised\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/not-
advertise/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/summary-address/not-
advertise/configd delete.sh\";\t\t\t}\t\t}\t}\tgrouping parameters redistribute {\t\tleaf metric-type
{\t\t\ttype metric-type;\t\t\tconfigd:help \"Metric type for redistributed routes\";\t\t\tdefault
\"2\";\t\t}\t\tleaf route-map {\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/policy-route:route/policy-
route:route-map/policy-route:tagnode\";\t\t\t}\t\t\tconfigd:help \"Route map reference\";\t\t}\t\tleaf metric
{\t\t\ttype metric;\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t}\t\tleaf tag {\t\t\ttype
uint32 {\t\t\t\trange 1..2147483647;\t\t\t}\t\t\tconfigd:help \"Tag for redistributed
routes\";\t\t}\t}\tgrouping redistribute-protocols {\t\tcontainer bgp {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"Redistribute bgp routes\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/redistribute/configd_end.sh\";\t\t\tuses
parameters redistribute;\t\t}\t\tcontainer kernel {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Redistribute
kernel routes\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/redistribute/configd_end.sh\";\t\t\tuses
parameters_redistribute;\t\t}\t\tcontainer rip {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Redistribute
RIPNG routes\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/redistribute/configd end.sh\";\t\t\tuses
parameters redistribute;\t\t}\t\tcontainer connected {\t\t\tpresence \"true\";\t\t\tconfigd:help
\"Redistribute connected routes\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/redistribute/configd_end.sh\";\t\t\tuses
parameters_redistribute;\t\t}\t\tcontainer static {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Redistribute
static routes\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/redistribute/configd end.sh\";\t\t\tuses
parameters redistribute;\t\t}\t}\tgrouping ospfv3-redistribute {\t\tcontainer redistribute {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"Redistribute information from another routing protocol\";\t\t\tuses
redistribute-protocols;\t\t}\t}\tgrouping ospfv3-ipv4-address-family-redistribute {\t\tcontainer redistribute
{\t\t\tpresence \"true\";\t\t\tconfigd:help \"Redistribute information from another routing
protocol\";\t\t\tuses redistribute-protocols;\t\t\tcontainer ospf {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"Redistribute OSPF routes\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/redistribute/configd_end.sh\";\t\t\t}\t\t}\t}\t/* configd:delete scripts for default-information originate has been
removed and\t * all the configurations will be handled as part of configd:end scripts.\t */\tgrouping ospfv3-
default-information {\t\tcontainer default-information {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Control
distribution of default information\";\t\t\tcontainer originate {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"Distribute a default route\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/default-information/originate/configd_end.sh\";\t\t\t\tleaf
metric-type {\t\t\t\t\ttype metric-type;\t\t\t\t\tconfigd:help \"OSPF metric type for default
routes\";\t\t\t\t\tdefault \"2\";\t\t\t\t}\t\t\t\tleaf always {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help
\"Always originate a default route\";\t\t\t\t}\t\t\t\tleaf route-map {\t\t\t\t\ttype leafref
{\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-
route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"OSPF route-map to control default
routes\";\t\t\t\t}\t\t\t\tleaf metric {\t\t\t\t\ttype metric;\t\t\t\t\tconfigd:help \"OSPF default
metric\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping area-default-cost {\t\tleaf default-cost {\t\t\ttype uint32
{\t\t\t\trange 1..16777214;\t\t\t}\t\t\tconfigd:help \"default-cost of area\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/default-cost/configd create.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/default-cost/configd delete.sh\";\t\t}\t}\tgrouping
spf-timers {\t\tcontainer timers {\t\t\tpresence \"true\";\t\t\tconfigd:help \"OSPFv3 protocol configuration
for timers\";\t\t\tcontainer spf {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"OSPFv3 protocol
configuration for SPF calculation\";\t\t\t\tcontainer exp {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help
\"OSPFv3 protocol configuration for exp backoff delays\";\t\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/timers/spf/exp/configd end.sh\";\t\t\t\t\tmust \"(min <=
max)\" {\t\t\t\t\t\terror-message \"Max delay must be greater or equal to Min delay
value\";\t\t\t\t\t}\t\t\t\t\tleaf max {\t\t\t\t\t\ttype spf-and-stability-interval;\t\t\t\t\t\tconfigd:help
\"Maximum delay between receiving change to SPF calculation\";\t\t\t\t\t\tdefault
\"50000\";\t\t\t\t\t}\t\t\t\t\tleaf min {\t\t\t\t\t\ttype spf-and-stability-interval;\t\t\t\t\t\tconfigd:help
\"Minimum delay between receiving change to SPF calculation\";\t\t\t\t\t\tdefault
\"500\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping ospfv3-distribute-list {\t\tlist distribute-list
{\t\t\tconfigd:help \"Access list to filter networks in routing updates\";\t\t\tkey \"tagnode\";\t\t\tleaf
tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern '[!-~]{1,64}' {\t\t\t\t\t\terror-message \"access-list name
must be 64 characters or less\";\t\t\t\t\t}\t\t\t\t\tpattern '[^-].*' {\t\t\t\t\t\terror-message \"access-
list name cannot start with \"-\"\";\t\t\t\t\t}\t\t\t\t\tpattern '[^\\|;&$<>]*' {\t\t\t\t\t\terror-message
\"access-list name cannot contain shell punctuation\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Access list
to filter networks in routing updates\";\t\t\t}\t\t\tleaf-list export {\t\t\t\ttype protocol;\t\t\t\tordered-
by \"user\";\t\t\t\tconfigd:help \"Filter for outgoing routing updates [REQUIRED]\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distribute-
```

list/export/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distribute-list/export/configd delete.sh\";\t\t\t}\t\t\tleaf
import {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Filter for incoming routing
updates\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distribute-
list/import/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distribute-
list/import/configd_delete.sh\";\t\t\t}\t\t}\t\t}\tgrouping ospfv3-distribute-list-process {\t\tlist
distribute-list {\t\t\tconfigd:help \"Access list to filter networks in routing updates\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Access list to filter networks in
routing updates\";\t\t\t}\t\t\tleaf-list export {\t\t\t\ttype protocol;\t\t\t\tordered-by
\"user\";\t\t\t\tconfigd:help \"Filter for outgoing routing updates [REQUIRED]\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distribute-
list/export/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distribute-list/export/configd delete.sh\";\t\t\t}\t\t\tleaf
import {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Filter for incoming routing
updates\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distribute-
list/import/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distribute-
list/import/configd_delete.sh\";\t\t\t}\t\t}\t}\tgrouping ospfv3-passive-intf-default-routing-inst {\t\tuses
if-validation:igp-passive-interface {\t\trefine \"passive-interface\" {\t\t\t\tconfigd:help \"Suppress
routing updates on an interface\";\t\t\t\tconfigd:priority \"642\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/passive-interface/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/passive-
interface/configd_delete.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/configd validate.cli\";\t\t\t}\t\t}\t\tuses if-
validation:igp-passive-interface-exclude {\t\trefine \"passive-interface-exclude\" {\t\t\t\tconfigd:help
\"Excludes OSPFv3 routing update suppression on an interface\";\t\t\t\tconfigd:priority
\"643\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/passive-
interface/exclude/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/passive-
interface/exclude/configd delete.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/configd validate.cli\";\t\t\t}\t\t}\t}\tgrouping ospfv3-
generic-parameters {\t\tleaf default-metric {\t\t\ttype uint32 {\t\t\t\ttrange
1..16777214;\t\t\t}\t\t\tconfigd:help \"default-metric\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/default-metric/configd create.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/default-metric/configd delete.sh\";\t\t}\t}\tgrouping
ospfv3-generic-parameters-1 {\t\tcontainer auto-cost {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Set
reference bandwidth\";\t\t\tleaf reference-bandwidth {\t\t\t\ttype uint32 {\t\t\t\t\ttrange
1..4294967;\t\t\t\t}\t\t\t\tconfigd:help \"Reference bandwidth method to assign OSPF cost\";\t\t\t\tdefault
\"100\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/auto-cost/reference-
bandwidth/configd update1.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/auto-
cost/reference-bandwidth/configd delete1.sh\";\t\t\t}\t\t}\t\tleaf router-id {\t\t\ttype types:ipv4-
address;\t\t\tconfigd:help \"Router identifier\";\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/router-id/configd update.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/router-id/configd_delete.sh\";\t\t\tmust \"(current() !=
'0.0.0.0')\" {\t\t\terror-message \"Invalid Router-ID\";\t\t}\t\t}\t}\tgrouping ospfv3-distance
{\t\tcontainer distance {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Administrative distance\";\t\t\tleaf
global {\t\t\t\ttype distance;\t\t\t\tconfigd:help \"OSPF administrative distance\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distance/global/configd_update1.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distance/global/configd_delete1.sh\";\t\t\t}\t\t\tcontainer
ospfv3 {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"OSPF administrative distance\";\t\t\t\tleaf external
{\t\t\t\t\ttype distance;\t\t\t\t\tconfigd:help \"Distance for external routes\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distance/ospfv3/external/configd update1.sh\";\t\t\t\t\tconf
igd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distance/ospfv3/external/configd_delete1.sh\";\t\t\t\t}\t\t\
t\tleaf inter-area {\t\t\t\t\ttype distance;\t\t\t\t\tconfigd:help \"Distance for inter-area
routes\";\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distance/ospfv3/inter-
area/configd update1.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distance/ospfv3/inter-
area/configd delete1.sh\";\t\t\t\t}\t\t\t\tleaf intra-area {\t\t\t\t\ttype distance;\t\t\t\t\tconfigd:help
\"Distance for intra-area routes\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distance/ospfv3/intra-
area/configd_update1.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/distance/ospfv3/intra-
area/configd delete1.sh\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping ospfv3-timers {\t\tleaf dead-interval
{\t\t\ttype timer-val;\t\t\tconfigd:help \"Interval after which a neighbor is declared
dead\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/dead-
interval/configd_update1.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/dead-
interval/configd delete1.sh\";\t\t}\t\tleaf hello-interval {\t\t\ttype timer-val;\t\t\tconfigd:help
\"Interval between hello packets\";\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/hello-
interval/configd_update1.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/hello-
interval/configd delete1.sh\";\t\t}\t\tleaf retransmit-interval {\t\t\ttype timer-val;\t\t\tconfigd:help
\"Interval between retransmitting lost link state advertisements\";\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/retransmit-
interval/configd_update1.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/retransmit-
interval/configd_delete1.sh\";\t\t}\t\tleaf transmit-delay {\t\t\ttype timer-val;\t\t\tconfigd:help \"Link
state transmit delay\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-
link/transmit-delay/configd update1.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/transmit-
delay/configd_delete1.sh\";\t\t}\t}\tgrouping ospfv3-stub {\t\tcontainer stub {\t\t\tpresence

\"true\";\t\t\tconfigd:help \"Stub area\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/stub/configd create.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/stub/configd delete.sh\";\t\t\tuses area-default-
cost;\t\t\tleaf no-summary {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Do not inject inter-area routes into
stub\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/stub/no-
summary/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/stub/no-
summary/configd delete.sh\";\t\t\t}\t\t}\t}\tgrouping ospfv3-virtual-link {\t\tlist virtual-link
{\t\t\tconfigd:help \"OSPFv3 Virtual link\";\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/configd update.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/virtual-link/configd_delete.sh\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"OSPFv3 virtual
neighbor ID\";\t\t\t}\t\t\tuses ospfv3-timers;\t\t}\t}\tgrouping ospfv3-nssa-default-information
{\t\tcontainer default-information-originate {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Originate Type 7
default into NSSA area\";\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/default-information-
originate/configd_update.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/default-information-
originate/configd_delete.sh\";\t\t\tleaf metric-type {\t\t\t\ttype metric-type;\t\t\t\tconfigd:help \"OSPFv3
metric type for default routes\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/default-information-originate/metric-
type/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/default-information-originate/metric-
type/configd_delete.sh\";\t\t\t}\t\t\tleaf metric {\t\t\t\ttype metric;\t\t\t\tconfigd:help \"OSPFv3 default
metric\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/default-
information-originate/metric/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/default-information-
originate/metric/configd_delete.sh\";\t\t\t}\t\t}\t}\tgrouping ospfv3-nssa {\t\tcontainer nssa
{\t\t\tpresence \"true\";\t\t\tconfigd:help \"Configure OSPFv3 area as nssa\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/configd_end.sh\";\t\t\tuses area-default-
cost;\t\t\tleaf stability-interval {\t\t\t\ttype spf-and-stability-interval;\t\t\t\tconfigd:help \"NSSA
stability interval in seconds\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/stability-
interval/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/stability-
interval/configd delete.sh\";\t\t\t}\t\t\tleaf translator-role {\t\t\t\ttype nssa-tranlator-
role;\t\t\t\tconfigd:help \"NSSA-ABR Translator role\";\t\t\t\tdefault \"candidate\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/translator-
role/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/translator-
role/configd delete.sh\";\t\t\t}\t\t\tleaf no-redistribution {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"No
redistribution into this NSSA area\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/no-
redistribution/configd end.sh\";\t\t\t}\t\t\tuses ospfv3-nssa-default-information;\t\t\tleaf no-summary
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Do not send summary LSA into NSSA\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/nssa/no-
summary/configd end.sh\";\t\t\t}\t\t}\t}\tgrouping ospfv3-range {\t\tlist range {\t\t\tconfigd:help \"Area
address range\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/area/range/configd_end.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf
tagnode {\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv6-
prefix\";\t\t\t\t}\t\t\t\tconfigd:help \"Area address range\";\t\t\t}\t\t\tleaf advertise {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Advertise this range\";\t\t\t}\t\t\tleaf not-advertise {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Do not advertise this range\";\t\t\t}\t\t}\t}\tgrouping ospfv3-area {\t\tlist
area {\t\t\tconfigd:help \"OSPFv3 Area\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype union
{\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype uint32;\t\t\t\t}\t\t\t\tmust \"not(current() = '0.0.0.0' or
current() = 0) or not(../virtual-link | ../stub | ../nssa)\" {\t\t\t\t\terror-message \"Cannot configure area
0 (0.0.0.0) with virtual link, nor as nssa or stub area type\";\t\t\t\t}\t\t\t\tmust \"(count(../nssa |
../stub | ../virtual-link) <= 1) or (count(../nssa | ../stub) = 0)\" {\t\t\t\t\terror-message \"Can only
specify one of nssa, stub, or virtual-link\";\t\t\t\t}\t\t\t\tconfigd:help \"OSPFv3 Area\";\t\t\t}\t\t\tuses
ospfv3-stub;\t\t\tuses ospfv3-virtual-link;\t\t\tuses ospfv3-nssa;\t\t\tuses ospfv3-range;\t\t}\t}\tgrouping
ospfv3-area-ipv4-addr-family {\t\tlist area {\t\t\tconfigd:help \"OSPFv3 Area of address-family\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype
uint32;\t\t\t\t}\t\t\t\tconfigd:help \"OSPFv3 Area of address-family\";\t\t\t}\t\t\tlist range
{\t\t\t\tconfigd:help \"Specify range (border routers only)\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/process/address-
family/ipv4/unicast/area/range/configd end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype
types:ipv4-prefix {\t\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t\t}\t\t\t\t\tconfigd:help
\"Specify range (border routers only)\";\t\t\t\t}\t\t\t\tleaf advertise {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Advertise this range\";\t\t\t\t}\t\t\t\tleaf not-advertise {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Do not advertise this range\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping ospfv3-ipv4-
address-family {\t\tcontainer address-family {\t\t\tpresence \"true\";\t\t\tconfigd:help \"OSPFv3 address-
family parameters\";\t\t\tcontainer ipv4 {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"IPv4 address
family\";\t\t\t\tcontainer unicast {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"OSPFv3 IPv4-unicast
address-family settings\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/process/address-
family/ipv4/unicast/configd create1.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/process/address-
family/ipv4/unicast/configd_delete1.sh\";\t\t\t\t\tuses ospfv3-ipv4-address-family-
redistribute;\t\t\t\t\tuses ospfv3-ipv4-summary-address;\t\t\t\t\tuses ospfv3-default-
information;\t\t\t\t\tuses ospfv3-area-ipv4-addr-family;\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping ospfv3-abr-type
{\t\tleaf abr-type {\t\t\ttype abr-type;\t\t\tconfigd:help \"Area Border Router type\";\t\t\tconfigd:begin
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/abr-type/configd begin.sh\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/abr-type/configd_end.sh\";\t\t}\t}\tgrouping ospfv3-debug-
parameters {\t\tcontainer log {\t\t\tconfigd:help \"OSPFv3 logging parameters\";\t\t\tleaf all {\t\t\t\ttype

empty;\t\t\t\tconfigd:help \"Enable all OSPFv3 logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/configd delete.sh\";\t\t\t}\t\t\tleaf retransmission
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPFv3 retransmission logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/configd_delete.sh\";\t\t\t}\t\t\tcontainer rib
{\t\t\t\tconfigd:help \"OSPFv3 rib logs\";\t\t\t\tleaf all {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help
\"Enable OSPFv3 rib all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/rib/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/rib/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf interface
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 rib interface logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/rib/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/rib/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf
redistribute {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 rib redistribute
logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/rib/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/rib/configd_delete.sh\";\t\t\t\t}\t\t\t}\t\t\tcontainer
nsm {\t\t\t\tconfigd:help \"OSPFv3 nsm logs\";\t\t\t\tleaf all {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help
\"Enable OSPFv3 nsm all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nsm/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nsm/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf interface
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 nsm interface logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nsm/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nsm/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf
redistribute {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 nsm redistribute
logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nsm/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nsm/configd_delete.sh\";\t\t\t\t}\t\t\t}\t\t\tcontainer
events {\t\t\t\tconfigd:help \"OSPFv3 event logs\";\t\t\t\tleaf all {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 events all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf abr
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 events abr logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf asbr
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 events asbr logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf lsa
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 events lsa logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf nssa
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 events nssa logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf os
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 events os logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf router
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 events router logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf vlink
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 events vlink logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/events/configd delete.sh\";\t\t\t\t}\t\t\t}\t\t\tcontain
er ifsm {\t\t\t\tconfigd:help \"OSPFv3 ifsm logs\";\t\t\t\tleaf all {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 ifsm all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/ifsm/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/ifsm/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf events
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 ifsm events logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/ifsm/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/ifsm/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf status
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 ifsm status logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/ifsm/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/ifsm/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf timers
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 ifsm timers logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/ifsm/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/ifsm/configd delete.sh\";\t\t\t\t}\t\t\t}\t\t\tcontainer
lsa {\t\t\t\tconfigd:help \"OSPFv3 lsa logs\";\t\t\t\tleaf all {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help
\"Enable OSPFv3 lsa all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf flooding
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 lsa flooding logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf generate
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 lsa generate logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf install
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 lsa install logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf maxage
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 lsa maxage logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf refresh
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 lsa refresh logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd_create.sh\";\t\t\t\t\tconfigd:delete

\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/lsa/configd_delete.sh\";\t\t\t\t}\t\t\t}\t\t\t\tcontainer
nfsm {\t\t\t\tconfigd:help \"OSPFv3 nfsm logs\";\t\t\t\tleaf all {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help
\"Enable OSPFv3 nfsm all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nfsm/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nfsm/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf events
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 nfsm events logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nfsm/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nfsm/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf status
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 nfsm status logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nfsm/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nfsm/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf timers
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 nfsm timers logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nfsm/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/nfsm/configd delete.sh\";\t\t\t\t}\t\t\t}\t\t\t\tcontainer
route {\t\t\t\tconfigd:help \"OSPFv3 route logs\";\t\t\t\tleaf all {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 route all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf ase
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 route ase logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf ia
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 route ia logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf install
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 route install logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf spf
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 route spf logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/route/configd_delete.sh\";\t\t\t\t}\t\t\t}\t\t\t\tcontaine
r packet {\t\t\t\tconfigd:help \"OSPFv3 packet logs\";\t\t\t\tleaf all {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf dd
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet dd logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf detail
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet detail logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf hello
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet hello logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf ls-ack
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet ls-ack logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf ls-
request {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet ls-request
logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf ls-
update {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet ls-update
logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf send
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet send logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf recv
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPFv3 packet recv logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/packet/configd delete.sh\";\t\t\t\t}\t\t\t}\t\t\tleaf
bfd {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPFv3 BFD logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/log/configd_delete.sh\";\t\t\t}\t\t}\t\t}\taugment
/protocols:protocols {\t\tcontainer ospfv3 {\t\t\tpresence \"true\";\t\t\tconfigd:priority
\"640\";\t\t\tconfigd:help \"Open Shortest Path First version 3 protocol (OSPFv3)
parameters\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/configd_create.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/configd_delete.sh\";\t\t\tuses spf-timers;\t\t\tuses ospfv3-
distribute-list;\t\t\tuses ospfv3-passive-intf-default-routing-inst;\t\t\tuses ospfv3-generic-
parameters;\t\t\tlist process {\t\t\t\tconfigd:priority \"641\";\t\t\t\tconfigd:help \"OSPFv3 process
name\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/process/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/process/configd_delete.sh\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[0-9A-Za-z][-_0-9A-Za-z]*'
{\t\t\t\t\t\t\terror-message \"name must be alphanumeric (hyphen/underscore may be used
inside)\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"OSPFv3 process name\";\t\t\t}\t\t\tuses spf-
timers;\t\t\tuses ospfv3-distribute-list-process;\t\t\tuses ospfv3-passive-intf-default-routing-
inst;\t\t\tuses ospfv3-generic-parameters;\t\t\tuses ospfv3-redistribute;\t\t\tuses ospfv3-
distance;\t\t\tuses ospfv3-abr-type;\t\t\tuses ospfv3-ipv6-summary-address;\t\t\tuses ospfv3-default-
information;\t\t\tuses ospfv3-ipv4-address-family {\t\t\t\trefine address-
family/ipv4/unicast/area/range/advertise {\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/range/configd validate.sh\";\t\t\t\t}\t\t\t}\t\t\tuses
ospfv3-area {\t\t\t\trefine area/range/advertise {\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/protocols/ospfv3/range/configd_validate.sh\";\t\t\t\t}\t\t\t}\t\t\tuses

ospfv3-generic-parameters-1;\t\t\t\tuses ospfv3-debug-parameters;\t\t\t}\t\t\tuses ospfv3-redistribute;\t\t\tuses ospfv3-distance;\t\t\tuses ospfv3-ipv6-summary-address;\t\t\tuses ospfv3-default-information;\t\t\tuses ospfv3-area {\t\t\t\trefine area/range/advertise {\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/range/configd validate.sh\";\t\t\t\t}\t\t\t}\t\t\tuses ospfv3-generic-parameters-1;\t\t\tuses ospfv3-debug-parameters;\t\t}\t}\tgrouping ospfv3-itf-parameters {\t\t\tleaf link-lsa-suppression {\t\t\ttype string {\t\t\t\tpattern 'enable' {\t\t\t\t\terror-message \"Only valid setting is 'enable'\";\t\t\t\t}\t\t\t\tconfigd:pattern-help \"enable\";\t\t\t}\t\t\tconfigd:help \"Enable link-lsa-suppression for this instance-id\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/link-lsa-suppression/configd create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/link-lsa-suppression/configd_delete.sh\";\t\t}\t\tleaf priority {\t\t\ttype uint32 {\t\t\t\trange 0..255;\t\t\t}\t\t\tconfigd:help \"Router priority (default 1)\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/priority/configd update.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/priority/configd delete.sh\";\t\t}\t}\t/* The reference in the below must condition restricts the usage of ospfv3-itf-neighbor grouping\t * in other places, the must statement can be moved out of the grouping and refine statement can\t * be used if required.\t */\tgrouping ospfv3-itf-neighbor {\tlist neighbor {\t\tconfigd:help \"Configure ipv6 address for neighbor parameters\";\t\tconfigd:priority \"950\";\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/neighbor/configd update.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/neighbor/configd delete.sh\";\t\tkey \"tagnode\";\t\tleaf tagnode {\t\t\ttype types:ipv6-address;\t\t\tconfigd:help \"Configure ipv6 address for neighbor parameters\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/neighbor/configd_validate.sh\";\t\t}\t\t}\t}\tgrouping ospfv3-itf-timers {\tleaf dead-interval {\t\ttype timer-val;\t\tconfigd:help \"Interval after which neighbor is declared dead (default 40)\";\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/dead-interval/configd_update.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/dead-interval/configd_delete.sh\";\t\t}\tleaf hello-interval {\t\ttype timer-val;\t\tconfigd:help \"Interval between hello packets (default 10)\";\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/hello-interval/configd update.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/hello-interval/configd_delete.sh\";\t\t}\tleaf retransmit-interval {\t\ttype uint32 {\t\t\trange 3..65535;\t\t}\t\tconfigd:help \"Interval between retransmitting lost link state advertisements (default 5)\";\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/retransmit-interval/configd update.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/retransmit-interval/configd_delete.sh\";\t\t}\t}\tgrouping ospfv3-itf-parameters-1 {\tleaf area {\t\ttype union {\t\t\ttype types:ipv4-address;\t\t\ttype uint32;\t\t}\t\tconfigd:help \"OSPFv3 area\";\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/area/configd update.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/area/configd delete.sh\";\t\t}\tleaf cost {\t\ttype cost;\t\tconfigd:help \"Interface cost\";\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/cost/configd_update.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/cost/configd_delete.sh\";\t\t}\tlist network {\t\tmax-elements \"1\";\t\tconfigd:help \"Network type\";\t\tconfigd:priority \"949\";\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/network/configd_update.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/network/configd_delete.sh\";\t\tkey \"tagnode\";\t\tleaf tagnode {\t\t\ttype network-type;\t\t\tconfigd:help \"Network type\";\t\t}\t}\tleaf transmit-delay {\t\ttype timer-val;\t\tconfigd:help \"Link state transmit delay (default 1)\";\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/transmit-delay/configd update.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/transmit-delay/configd_delete.sh\";\t\t}\t}\tgrouping ospfv3-itf-mtu-ignore {\tleaf mtu-ignore {\t\ttype empty;\t\tconfigd:help \"Disable Maximum Transmission Unit mismatch detection\";\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/mtu-ignore/configd create.sh\";\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/mtu-ignore/configd delete.sh\";\t\t}\t}\tgrouping itf-ipv6-ospfv3 {\tcontainer ospfv3 {\t\tconfigd:priority \"948\";\t\tconfigd:help \"Set OSPFv3 instance parameters\";\t\tuses ospfv3-itf-parameters;\t\tlist process {\t\t\tconfigd:help \"IPv6 Open Shortest Path First (OSPFv3) Process ID\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/process/configd allowed.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string;\t\t\t\tconfigd:help \"IPv6 Open Shortest Path First (OSPFv3) Process ID\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/process/configd_allowed.sh\";\t\t\t}\t\t\tlist instance-id {\t\t\t\tmax-elements \"1\";\t\t\t\tconfigd:help \"Instance-id\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..255;\t\t\t\t\t}\t\t\t\t\tmust \"count(../../../process/instance-id[tagnode = current()]) <= 1\" {\t\t\t\t\t\terror-message \"Cannot configure same instance ID across multiple processes\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Instance-id\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/process/configd_validate.sh\";\t\t\t\t}\t\t\t\t\tuses ospfv3-itf-parameters;\t\t\t\t\tuses ospfv3-itf-neighbor;\t\t\t\t\tuses ospfv3-itf-timers;\t\t\t\t\tuses ospfv3-itf-parameters-1 {\t\t\t\t\trefine network {\t\t\t\t\t\tmust \"not(../../../../if-loopback:tagnode) or (current() = 'point-to-point')\" {\t\t\t\t\t\t\terror-message \"Only point-to-point network is valid for loopback interfaces\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tuses ospfv3-itf-mtu-ignore;\t\t\t\t\tuses ospfv3-itf-neighbor;\t\t\t\t\tuses ospfv3-itf-mtu-ignore;\t\t\t\t\tuses ospfv3-itf-timers;\t\t\tuses ospfv3-itf-parameters-1 {\t\t\t\trefine network {\t\t\t\t\tmust \"not(../../../if-loopback:tagnode) or (current() = 'point-to-point')\" {\t\t\t\t\t\terror-message \"Only point-to-point network is valid for loopback interfaces\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\taugment /if:interfaces/if-bridge:bridge/if-bridge:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-dataplane:dataplane/if-dataplane:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-dataplane:dataplane/if-

dataplane:vif/if-dataplane:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-l2tpeth:l2tpeth/if-l2tpeth:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-l2tpeth:l2tpeth/if-l2tpeth:vif/if-l2tpeth:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-loopback:loopback/if-loopback:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-openvpn:openvpn/if-openvpn:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-tunnel:tunnel/if-tunnel:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-vti:vti/if-vti:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-bonding:bonding/if-bonding:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}\taugment /if:interfaces/if-bonding:bonding/if-bonding:vif/if-bonding:ipv6 {\t\tuses itf-ipv6-ospfv3;\t}}</module<module name=\"configd-v1\"uri=\"urn:vyatta.com:mgmt:configd:1\" revision=\"2016-01-25\" format=\"yang\" length=\"1799\"module configd-v1 {\tnamespace \"urn:vyatta.com:mgmt:configd:1\";\tprefix configd-v1;\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t \t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for configd-v1\";\trevision 2016-01-25 {\t\tdescription \"Remove comp help extension\";\t}\trevision 2015-12-08 {\t\tdescription \"Add get-state and normalize extensions\"\t\t\t+ \"Add defer-actions\";\t}\trevision 2015-05-20 {\t\tdescription \"Remove rpc-script extension and\t\t\t   add call-rpc extension\";\t}\trevision 2014-12-17 {\t\tdescription \"Add rpc-script extension\";\t}\trevision 2014-10-28 {\t\tdescription \"Update for 3.2.1R1\";\t}\trevision 2014-05-30 {\t\tdescription \"Initial revision.\";\t}\textension help {\t\targument text;\t}\textension pattern-help {\t\targument text;\t}\textension priority {\t\targument priority;\t}\textension allowed {\t\targument executable;\t}\textension begin {\t\targument executable;\t}\textension end {\t\targument executable;\t}\textension create {\t\targument executable;\t}\textension delete {\t\targument executable;\t}\textension update {\t\targument executable;\t}\textension subst {\t\targument executable;\t}\textension secret {\t\targument bool;\t}\textension validate {\t\targument executable;\t}\textension syntax {\t\targument executable;\t}\textension error-message {\t\targument message;\t}\textension migration {\t\targument level;\t}\textension call-rpc {\t\targument executable;\t}\textension get-state {\t\targument executable;\t}\textension normalize {\t\targument executable;\t}\textension defer-actions {\t\targument executable;\t}}</module<module name=\"vyatta-system-dataplane-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-dataplane:1\" revision=\"2015-10-01\" format=\"yang\" length=\"2552\"module vyatta-system-dataplane-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-dataplane:1\";\tprefix vyatta-system-dataplane-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-system-v1 {\t\tprefix system;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Vyatta dataplane interface specific system yang file and related\t\t template scripts.\";\trevision 2015-10-01 {\t\tdescription \"Initial revision.\";\t}\tgrouping power-profile {\t\tconfigd:help \"Power profile settings\";\t\tleaf policy {\t\t\ttype enumeration {\t\t\t\tenum balanced {\t\t\t\t\tconfigd:help \"Balanced latency versus cpu usage\";\t\t\t\t}\t\t\t\tenum low-latency {\t\t\t\t\tconfigd:help \"Low latency\";\t\t\t\t}\t\t\t\tenum power-save {\t\t\t\t\tconfigd:help \"Conserve CPU and power\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"Pre-configured policy\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/power-profile/configd validate.cli\";\t\t}\t\tcontainer custom {\t\t\tpresence \"required leaf nodes\";\t\t\tleaf idle-threshold {\t\t\t\ttype uint32 {\t\t\t\t\ttrange 1..100000;\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tconfigd:help \"Threshold for increasing sleep\";\t\t\t}\t\t\tleaf min-sleep {\t\t\t\ttype uint32 {\t\t\t\t\ttrange 0..100000;\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tconfigd:help \"Lowest sleep interval (us)\";\t\t\t}\t\t\tleaf max-sleep {\t\t\t\ttype uint32 {\t\t\t\t\ttrange 0..1000000;\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tconfigd:help \"Maximum sleep interval (us)\";\t\t\t}\t\t\tconfigd:help \"Custom settings\";\t\t}\t}\taugment /system:system {\t\tcontainer default {\t\t\tconfigd:help \"Default parameters\";\t\t\tcontainer dataplane {\t\t\t\tconfigd:help \"Dataplane parameters\";\t\t\t\tconfigd:priority \"300\";\t\t\t\tcontainer power-profile {\t\t\t\t\tuses power-profile {\t\t\t\t\t\trefine policy {\t\t\t\t\t\t\tconfigd:update \"vplane-power-profile $VAR(@)\";\t\t\t\t\t\t\tconfigd:delete \"vplane-power-profile balanced\";\t\t\t\t\t\t}\t\t\t\t\t\trefine custom {\t\t\t\t\t\t\tconfigd:update \"vplane-power-profile custom $VAR(idle-threshold/@) $VAR(min-sleep/@) $VAR(max-sleep/@)\";\t\t\t\t\t\t\tconfigd:delete \"vplane-power-profile balanced\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf cpu-affinity {\t\t\t\t\ttype types:cpu-range;\t\t\t\t\tconfigd:help \"Dataplane CPU affinity\";\t\t\t\t\tconfigd:update \"vplane-cpumask --set $VAR(@)\";\t\t\t\t\tconfigd:delete \"vplane-cpumask --delete\";\t\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-interfaces-dataplane-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-dataplane:1\" revision=\"2016-06-10\" format=\"yang\" length=\"11343\"module vyatta-interfaces-dataplane-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-dataplane:1\";\tprefix vyatta-interfaces-dataplane-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Vyatta dataplane interface specific yang file and related\t\t template scripts.\";\trevision 2016-06-10 {\t\tdescription \"Validate vif mtu is less than physical interface's mtu.\";\t}\trevision 2016-04-21 {\t\tdescription \"Delete dataplane interface address when address node is removed.\";\t}\trevision 2016-03-28 {\t\tdescription \"Remove use of bash in action scripts\";\t}\trevision 2015-11-26 {\t\tdescription \"Modify actions for mac address changes\";\t}\trevision 2015-11-23 {\t\tdescription \"Add definition for dataplane-vifname.\";\t}\trevision 2015-11-20 {\t\tdescription \"Revert to biosdevname naming policy on VMWare.\";\t}\trevision 2015-11-10 {\t\tdescription \"Support for configuring interface CPU affinity.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\ttypedef dataplane-ifname {\t\ttype union {\t\t\t// Onboard device\t\t\ttype string {\t\t\t\tpattern \"dp[0-9]+o[0-9]+(d[0-9]+)?\";\t\t\t\tconfigd:pattern-help \"<dpFoN>\";\t\t\t}\t\t\t// hotplug slot index\t\t\ttype string {\t\t\t\tpattern \"dp[0-9]+s[0-9]+(f[0-9]+)?(d[0-9]+)?\";\t\t\t\tconfigd:pattern-help \"<dpFsN>\";\t\t\t}\t\t\t// PCI device address\t\t\ttype string {\t\t\t\tpattern \"dp[0-9]+(P[0-9]+)?p[0-9]{1,3}s[0-9]{1,3}(f[0-9]+)?(d[0-9]+)?\";\t\t\t\tconfigd:pattern-help \"<dpFpNsS>\";\t\t\t}\t\t\t// Biosdevname compatible names. VMware only\t\t\ttype string {\t\t\t\tpattern \"dp[0-9]+p[0-9]+p[0-9]+\";\t\t\t\tconfigd:pattern-help \"<dpFpNpS>\";\t\t\t}\t\t}\t}\ttypedef dataplane-vifname {\t\ttype union {\t\t\t// Onboard device\t\t\ttype string {\t\t\t\tpattern \"dp[0-9]+o[0-9]+(d[0-9]+)?\\.[1-9][0-9]*\";\t\t\t\tconfigd:pattern-help \"<dpFoN.N>\";\t\t\t}\t\t\t// hotplug slot index\t\t\ttype string {\t\t\t\tpattern \"dp[0-9]+s[0-9]+(f[0-

```
9]+)?(d[0-9]+)?\\.[1-9][0-9]*\";\t\t\t\tconfigd:pattern-help \"<dpFsN.N>\";\t\t\t}\t\t\t/// PCI device
address\t\t\ttype string {\t\t\t\tpattern \"dp[0-9]+(P[0-9]+)?p[0-9]{1,3}s[0-9]{1,3}(f[0-9]+)?(d[0-
9]+)?\\.[1-9][0-9]*\";\t\t\t\tconfigd:pattern-help \"<dpFpNsS.N>\";\t\t\t}\t\t\t}\t\t\t/// Biosdevname compatible
names. VMware only\t\t\ttype string {\t\t\t\tpattern \"dp[0-9]+p[0-9]+p[0-9]+\\.[1-9][0-
9]*\";\t\t\t\tconfigd:pattern-help \"<dpFpNpS.N>\";\t\t\t}\t\t}\t}\tgrouping if-parameters {\t\tleaf
description\t\t\ttype string;\t\t\tconfigd:help \"Interface Description\";\t\t\tconfigd:update \"ip li set
dev $VAR(../@) alias '$VAR(@)'\";\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev=$VAR(../@) --delete-
description\";\t\t}\t\tuses if:if-parameters-base {\t\t\taugment ip {\t\t\tleaf disable-forwarding
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable IPv4 forwarding on this
interface\";\t\t\t\tconfigd:create \"sysctl -wq
/net/ipv4/conf/$VAR(../../@)/forwarding=0\";\t\t\t\tconfigd:delete \"sysctl -wq
/net/ipv4/conf/$VAR(../../@)/forwarding=1\";\t\t\t}\t\t\t}\t\t\t}\t\tleaf log_martians {\t\t\ttype
empty;\t\t\tconfigd:help \"Enable the logging of bogus packets\";\t\t\tconfigd:create \"sysctl -wq
/net/ipv4/conf/$VAR(../@)/log martians=1\";\t\t\tconfigd:delete \"sysctl -wq
/net/ipv4/conf/$VAR(../@)/log martians=0\";\t\t}\t}\tgrouping vif-parameters {\t\tleaf description
{\t\t\ttype string;\t\t\tconfigd:help \"Interface Description\";\t\t\tconfigd:update \"ip li set dev
$VAR(../../@).$VAR(../@) alias '$VAR(@)'\";\t\t\tconfigd:delete \"vyatta-interfaces.pl --
dev=$VAR(../../@).$VAR(../@) --delete-description\";\t\t}\t\tuses if:vif-parameters-base;\t}\taugment
/if:interfaces {\t\tlist dataplane {\t\t\tconfigd:priority \"318\";\t\t\tconfigd:help \"Dataplane interface
name\";\t\t\tconfigd:allowed \"vyatta-interfaces.pl --show=dataplane --filter='\\.[0-
9]+'\";\t\t\tconfigd:create \"vyatta-interfaces.pl --create-dev $VAR(@)\";\t\t\tconfigd:delete \"vyatta-
interfaces.pl --delete-dev $VAR(@)\";\t\t\tconfigd:validate \"vyatta-interfaces.pl --validate-interface --dev
$VAR(@) --addrs $VAR(./address/@@)\";\t\t\tconfigd:end \"vyatta-intf-end $VAR(@)\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype dataplane-ifname;\t\t\t\tconfigd:help \"Dataplane interface
name\";\t\t\t\tconfigd:allowed \"vyatta-interfaces.pl --show=dataplane --filter='\\.[0-
9]+'\";\t\t\t}\t\t\tleaf vlan-protocol {\t\t\t\ttype enumeration {\t\t\t\t\tenum 0x8100;\t\t\t\t\tenum
0x88A8;\t\t\t\t\tenum 0x9100;\t\t\t\t\tenum 0x9200;\t\t\t\t\tenum 0x9300;\t\t\t\t}\t\t\t\tconfigd:priority
\"381\";\t\t\t\tconfigd:help \"Vlan Tag Protocol Identifier (default: 0x8100)\";\t\t\t\tdefault
\"0x8100\";\t\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../@) --update-vlan-proto
$VAR(@)\";\t\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../@) --update-vlan-proto
0x8100\";\t\t\t}\t\t\tleaf mtu {\t\t\t\ttype uint32 {\t\t\t\t\ttrange
68..9000;\t\t\t\t}\t\t\t\tconfigd:priority \"381\";\t\t\t\tconfigd:help \"Maximum Transmission Unit
(MTU)\";\t\t\t\tdefault \"1500\";\t\t\t\tconfigd:validate \"vyatta-interfaces.pl --dev $VAR(../@) --validate-
dev-mtu $VAR(@) --action ${COMMIT_ACTION}\";\t\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../@) --
set-dev-mtu $VAR(@) --action ${COMMIT ACTION}\";\t\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev
$VAR(../@) --set-dev-mtu 1500 --action ${COMMIT ACTION}\";\t\t\t}\t\t\tuses if-parameters;\t\t\tlist vif
{\t\t\t\tconfigd:priority \"319\";\t\t\t\tconfigd:help \"Virtual Interface (VIF) ID\";\t\t\t\tconfigd:create
\"vyatta-interfaces.pl --dev $VAR(../@) --create-vif $VAR(@)\";\t\t\t\tconfigd:delete \"vyatta-interfaces.pl
--dev $VAR(../@) --delete-vif $VAR(@)\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/vif/config_validate1.cli\";\t\t\t\tconfigd:end
\"vyatta-intf-end $VAR(../@).$VAR(@)\";\t\t\t\tkey \"tagnode\";\t\t\t\tunique \"vlan inner-
vlan\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\ttrange
1..99999;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Virtual Interface (VIF) ID\";\t\t\t\t}\t\t\t\tleaf vlan
{\t\t\t\t\ttype uint32 {\t\t\t\t\t\ttrange 1..4094;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Virtual Local Area
Network (VLAN) ID\";\t\t\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif
$VAR(../@) --update-vlan\";\t\t\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif
$VAR(../@) --delete-vlan\";\t\t\t\t}\t\t\t\tleaf inner-vlan {\t\t\t\t\ttype uint32 {\t\t\t\t\t\ttrange
1..4094;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Virtual Local Area Network (VLAN) ID\";\t\t\t\t\tconfigd:update
\"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --update-ivlan\";\t\t\t\t\tconfigd:delete
\"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --del-ivlan\";\t\t\t\t}\t\t\t\tleaf
disable-link-detect {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Ignore link state
changes\";\t\t\t\t\tconfigd:create \"vyatta-link-detect $VAR(../@) off\";\t\t\t\t\tconfigd:delete \"vyatta-
link-detect $VAR(../@) on\";\t\t\t\t}\t\t\t\tuses vif-parameters;\t\t\t\tleaf mtu {\t\t\t\t\ttype uint32
{\t\t\t\t\t\ttrange 68..9000;\t\t\t\t\t}\t\t\t\t\tconfigd:priority \"382\";\t\t\t\t\tconfigd:help \"Maximum
Transmission Unit (MTU)\";\t\t\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif
$VAR(../@) --set-mtu $VAR(@)\";\t\t\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../../@) --update-
vif $VAR(../@) --del-mtu $VAR(../../mtu/@)\";\t\t\t\t\tconfigd:validate \"vyatta-interfaces.pl --dev
$VAR(../../@) --update-vif $VAR(../@) --validate-mtu $VAR(@)\";\t\t\t\t}\t\t\t\tleaf-list address
{\t\t\t\t\ttype if:address-dhcp;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"IP
address\";\t\t\t\t\tconfigd:create \"vyatta-address add $VAR(../../@).$VAR(../@)
$VAR(@)\";\t\t\t\t\tconfigd:delete \"vyatta-address delete $VAR(../../@).$VAR(../@)
$VAR(@)\";\t\t\t\t\tconfigd:allowed \"echo 'dhcp dhcpv6 <>'\";\t\t\t\t}\t\t\t}\t\t\tleaf-list address
{\t\t\t\ttype if:address-dhcp;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"IP
address\";\t\t\t\tconfigd:create \"vyatta-address add $VAR(../@) $VAR(@)\";\t\t\t\tconfigd:delete \"vyatta-
address delete $VAR(../@) $VAR(@)\";\t\t\t\tconfigd:allowed \"echo 'dhcp dhcpv6 <>'\";\t\t\t}\t\t\tleaf mac
{\t\t\t\ttype types:mac-address {\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/mac/config_syntax1.cli\";\t\t\t\t}\t\t\t\tconfigd:help
\"Media Access Control (MAC) address\";\t\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../@) --set-
mac $VAR(@)\";\t\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../@) --del-mac\";\t\t\t}\t\t\tleaf
cpu-affinity {\t\t\t\ttype types:cpu-range;\t\t\t\tconfigd:help \"Interface CPU
affinity\";\t\t\t\tconfigd:update \"vplane-affinity --dev=$VAR(../@) --set $VAR(@)\";\t\t\t\tconfigd:delete
\"vplane-affinity --dev=$VAR(../@) --delete\";\t\t\t}\t}\taugment /if:interfaces/dataplane
{\t\tcontainer hardware {\t\t\tpresence \"Enable hardware binding\";\t\t\tconfigd:help \"Hardware binding
override\";\t\t\tdescription \"Used to bind an interface to specific PCI hardware\";\t\t\tmust
\"(count(firmware-index) + count(mac) + count(pci-address) + count(pci-slot) + count(port)) = 1\"
{\t\t\t\terror-message \"Only one of 'firmware-index', 'mac', 'pci-address', 'pci-slot', or 'port' may be
set\";\t\t\t}\t\t\tleaf firmware-index {\t\t\t\ttype uint32;\t\t\t\tdescription \"Used to match this
interface by the ACPI index assigned by the BIOS to an onboard PCI device\";\t\t\t\tconfigd:help \"Index
assigned by BIOS for onboard device\";\t\t\t}\t\t\tleaf mac {\t\t\t\ttype types:mac-address {\t\t\t\t\tmust
\"not (../mac = '00:00:00:00:00:00') \" +\t\t\t\t      \"and not (substring(../mac, 2, 1) = '1')\" +\t\t\t\t
\"and not (substring(../mac, 2, 1) = '3')\" +\t\t\t\t      \"and not (substring(../mac, 2, 1) = '5')\"
+\t\t\t\t      \"and not (substring(../mac, 2, 1) = '7')\" +\t\t\t\t      \"and not (substring(../mac, 2, 1) =
'9')\" +\t\t\t\t      \"and not (substring(../mac, 2, 1) = 'b')\" +\t\t\t\t      \"and not (substring(../mac,
2, 1) = 'd')\" +\t\t\t\t      \"and not (substring(../mac, 2, 1) = 'f')\" {\t\t\t\t\terror-message \"MAC
```

address must not be broadcast or multicast\";\t\t\t\t}\t\t\t\tdescription \"Used to match this interface based on the vendor MAC address assigned to a PCI device\";\t\t\t\tconfigd:help \"Vendor assigned MAC address\";\t\t\t}\t\t\tleaf pci-address {\t\t\t\ttype string {\t\t\t\t\tpattern \"([0-9a-f]{1,4}:)?[0-9a-f]{1,2}:[01]?[0-9a-f].[0-7]\" {\t\t\t\t\terror-message \"Must have format as [<domain>:]<bus>:<slot>.<function>, where domain is 0-ffff, bus is 0-ff, slot is 0-1f and function 0-7\";\t\t\t\t}\t\t\t\t}\t\t\t\tdescription \"Used to match this interface to a specific PCI device by PCI address\";\t\t\t\tconfigd:help \"PCI hardware address\";\t\t\t}\t\t\tleaf pci-slot {\t\t\t\ttype uint32;\t\t\t\tdescription \"Used to match this interface to a PCI device in specific PCI slot\";\t\t\t\tconfigd:help \"PCI slot\";\t\t\t}\t\t\tleaf port {\t\t\t\ttype uint32 {\t\t\t\t\trange \"0..31\";\t\t\t\t}\t\t\t\tdescription \"Used to match this interface to a PCI device based on the discovery order used by DPDK\";\t\t\t\tconfigd:help \"Discovery order from DPDK\";\t\t\t}\t\t\tleaf pci-function {\t\t\t\ttype uint32 {\t\t\t\t\trange \"0..7\";\t\t\t\t}\t\t\t\tmust \"../pci-slot\" {\t\t\t\t\terror-message \"pci-function only valid with 'pci-slot'\";\t\t\t\t}\t\t\t\tconfigd:help \"Optional qualifier used when a PCI device has multiple functions\";\t\t\t\tdescription \"PCI function\";\t\t\t}\t\t\tleaf dev-port {\t\t\t\ttype uint32;\t\t\t\tmust \"../pci-address or ../pci-slot\" {\t\t\t\t\terror-message \"dev-port only valid with 'pci-address' or 'pci-slot'\";\t\t\t\t}\t\t\t\tconfigd:help \"Optional qualifier used when a PCI device has multiple ports\";\t\t\t\tdescription \"Device port on PCI device\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-system-tacplus-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-tacplus-routing-instance:1\" revision=\"2016-02-19\" format=\"yang\" length=\"1538\"module vyatta-system-tacplus-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-tacplus-routing-instance:1\";\tprefix vyatta-system-tacplus-routing-instance-v1;\timport vyatta-system-v1 {\tprefix system;\t}\timport vyatta-system-login-v1 {\tprefix system-login;\t}\timport vyatta-routing-v1 {\tprefix rt-instance;\t}\timport vyatta-system-tacplus-v1 {\tprefix system-tacplus;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\tPostal: 130 Holger Way\tSan Jose, CA 95134\tE-mail: support@Brocade.com\tWeb: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module for vyatta-system-tacplus-routing-instance-v1\";\trevision 2016-02-19 {\tdescription \"Add routing instance support for TACACS+\";\t}\taugment /rt-instance:routing/rt-instance:routing-instance/rt-instance:system/rt-instance:login {\tuses system-tacplus:tacplus-system-login-grouping {\t\trefine tacplus-server {\t\t\tmust \"count(/system:system/system-login:login/system-tacplus:tacplus-server) = 0\" {\t\t\t\terror-message \"Cannot also configure TACACS+ in default routing-instance\";\t\t\t}\t\t\tmust \"count(/rt-instance:routing/rt-instance:routing-instance[rt-instance:instance-name !=\"\t\t\t+ \"current()/../../../rt-instance:instance-name]/rt-instance:system/rt-instance:login/tacplus-server) = 0\" {\t\t\t\terror-message \"Cannot configure TACACS+ in more than one routing-instance simultaneously\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-system-time-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-time:1\" revision=\"2016-06-16\" format=\"yang\" length=\"3594\"module vyatta-system-time-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-time:1\";\tprefix vyatta-system-time-v1;\timport vyatta-system-v1 {\tprefix system;\t}\timport configd-v1 {\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t NTP configuration\";\trevision 2016-06-16 {\tdescription \"Use a grouping for ntp. Needed for vrf support.\";\t}\trevision 2015-12-04 {\tdescription \"Add description to time-zone.\";\t}\trevision 2015-08-14 {\tdescription \"Initial revision of version 1.\";\t}\tgrouping system-time-ntp {\tcontainer ntp {\t\tpresence \"true\";\t\tconfigd:priority \"300\";\t\tconfigd:help \"Network Time Protocol (NTP) configuration\";\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/ntp/configd validate ntpkeys\";\t\tconfigd:create \"/opt/vyatta/sbin/vyatta_configure_ntp.pl --operation=start\";\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta_configure_ntp.pl --operation=stop\";\t\tconfigd:update \"/opt/vyatta/sbin/vyatta_configure_ntp.pl --operation=restart\";\t\tleaf statistics {\t\t\ttype empty;\t\t\tconfigd:help \"Enable statistics collection\";\t\t}\t\t\tlist keyid {\t\t\tconfigd:help \"Network Time Protocol (NTP) authentication key\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint16 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"NTP authentication key ID\";\t\t\t}\t\t\tleaf digest {\t\t\t\ttype enumeration {\t\t\t\t\tenum md5;\t\t\t\t\tenum sha1;\t\t\t\t}\t\t\t\tdefault md5;\t\t\t\tconfigd:help \"Digest Algorithm for authentication\";\t\t\t}\t\t\tleaf plaintext-password {\t\t\t\ttype string {\t\t\t\t\tlength \"1..20\";\t\t\t\t\tpattern '([^\\\s#])+';\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tconfigd:secret \"true\";\t\t\t\tconfigd:help \"Plaintext password for authentication (max 20 characters)\";\t\t\t}\t\t}\t\t\tlist server {\t\t\tconfigd:help \"Network Time Protocol (NTP) server\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Network Time Protocol (NTP) server\";\t\t\t}\t\t\tleaf preempt {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Specifies the association as preemptable rather than the default persistent\";\t\t\t}\t\t\tleaf dynamic {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Allow server to be configured eve if not reachable\";\t\t\t}\t\t\tleaf noselect {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Marks the server as unused\";\t\t\t}\t\t\tleaf prefer {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Marks the server as preferred\";\t\t\t}\t\t\tleaf address-family {\t\t\t\ttype enumeration {\t\t\t\t\tenum ipv4 {\t\t\t\t\t\tconfigd:help \"only IPv4 addresses\";\t\t\t\t\t}\t\t\t\t\tenum ipv6 {\t\t\t\t\t\tconfigd:help \"only IPv6 addresses\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Address family for hostname resolution\";\t\t\t}\t\t\tleaf keyid {\t\t\t\ttype uint16 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"NTP authentication key ID\";\t\t\t}\t\t}\t}}\taugment /system:system {\tuses system-time-ntp;\t}\tleaf time-zone {\ttype string;\tdescription \"Local time zone as specified by Region/City\";\tconfigd:priority \"100\";\tconfigd:help \"Local time zone\";\tdefault \"GMT\";\tconfigd:update \"/opt/vyatta/share/tmplscripts/system/time-zone/configd update.sh\";\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/system/time-zone/configd allowed.sh\";\tconfigd:end \"/opt/vyatta/share/tmplscripts/system/time-zone/configd end.sh\";\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/time-zone/configd_delete1.cli\";\t}\t}}</module<module name=\"vyatta-fw-types-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-fw-types:1\" revision=\"2016-08-12\" format=\"yang\" length=\"10322\"module vyatta-fw-types-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-fw-types:1\";\tprefix vyatta-fw-types-v1;\timport vyatta-types-v1 {\tprefix types;\t}\timport configd-v1 {\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t

\"mobile-prefix-advertisement\" {\t\t\t\tdescription \"Type 147\";\t\t\t\tconfigd:help \" : Type
147\";\t\t\t}\t\t\tconfigd:help \"ICMPv6 type/code name\";\t\t}\t}\ttypedef icmp-code-number {\t\ttype uint8
{\t\t\trange 0..255;\t\t}\t\tconfigd:help \"ICMP code value\";\t}\ttypedef icmp-type-number {\t\ttype uint8
{\t\t\trange 0..255;\t\t}\t\tconfigd:help \"ICMP type value\";\t}\ttypedef tcp-flags {\t\ttype string
{\t\t\tpattern '(((!?(SYN|ACK|FIN|RST|PSH|URG),)*(!?(SYN|ACK|FIN|RST|PSH|URG})))' {\t\t\terror-message
\"Invalid value for TCP flags. Allowed values: SYN ACK FIN RST URG PSH.When specifying more than one flag,
flags should be comma-separated.For example: value of 'SYN,!ACK,!FIN,!RST' will only match packets withthe
SYN flag set, and the ACK, FIN and RST flags unset\";\t\t\t}\t\t\tconfigd:pattern-help
\"<flag,flag,..>\";\t\t\tconfigd:help \"The TCP flags to match.Allowed values: SYN ACK FIN RST URG PSH.When
specifying more than one flag, flags should be comma-separated.For example: value of 'SYN,!ACK,!FIN,!RST'
will only match packets withthe SYN flag set, and the ACK, FIN and RST flags unset.\";\t\t}\t}\ttypedef fw-
address {\t\ttype union {\t\t\ttype types:ipv4-address {\t\t\t\tconfigd:help \"IP address to
match\";\t\t\t}\t\t\ttype types:ipv4-prefix {\t\t\t\tconfigd:help \"IP Subnet to
match\";\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t}\t\t\ttype types:neg-ipv4-address
{\t\t\t\tconfigd:help \"Match everything except the specified IP address\";\t\t\t}\t\t\ttype types:neg-ipv4-
prefix {\t\t\t\tconfigd:help \"Match everything except the specified IP subnet\";\t\t\t}\t\t\ttype
types:ipv6-address {\t\t\t\tconfigd:help \"IPv6 address to match\";\t\t\t}\t\t\ttype types:ipv6-prefix
{\t\t\t\tconfigd:help \"IPv6 Subnet to match\";\t\t\t\tconfigd:normalize \"normalize ipv6-
prefix\";\t\t\t}\t\t\ttype types:neg-ipv6-address {\t\t\t\tconfigd:help \"Match everything except the
specified IPv6 address\";\t\t\t}\t\t\ttype types:neg-ipv6-prefix {\t\t\t\tconfigd:help \"Match everything
except the specified IPv6 subnet\";\t\t\t}\t\t\ttype group-name {\t\t\t\tconfigd:pattern-help \"<address-
group name>\";\t\t\t\tconfigd:help \"Defined address-group\";\t\t\t}\t\t}\t}\ttypedef fw-port {\t\ttype union
{\t\t\ttype types:port;\t\t\ttype types:port-range;\t\t\ttype group-name {\t\t\t\tconfigd:pattern-help
\"<port-group name>\";\t\t\t\tconfigd:help \"Defined port group\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-service-ssh-routing-instance-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-ssh-routing-instance:1\" revision=\"2016-04-13\" format=\"yang\"
length=\"1246\"module vyatta-service-ssh-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-
service-ssh-routing-instance:1\";\tprefix vyatta-service-ssh-routing-instance-v1;\timport vyatta-service-ssh-
v1 {\t\tprefix ssh-service;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1
{\t\tprefix rt-instance;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade
Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail:
support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade
Communications Systems, Inc.\t\t All rights reserved.\t\t routing-instance SSH configuration\";\trevision
2016-04-13 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /rt-instance:routing/rt-
instance:routing-instance/rt-instance:service {\t\tuses ssh-service:service-ssh {\t\t\trefine ssh
{\t\t\t\tconfigd:help \"This sets the config options for sshd on the current routing-
instance.\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/service/ssh/configd update --routing-
instance=$VAR(../../@) --action=delete\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/service/ssh/configd_update --routing-instance=$VAR(../../@) --
action=update\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-policy-route-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-policy-route:1\" revision=\"2016-07-19\" format=\"yang\"
length=\"47625\"module vyatta-policy-route-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-policy-
route:1\";\tprefix vyatta-policy-route-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-
policy-v1 {\t\tprefix policy;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-protocols-
interface-validation-v1 {\t\tprefix if-validation;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose,
CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-
2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-
protocols-policy-v1\";\trevision 2016-07-19 {\t\tdescription\t\t\"Removing as-path-prepend and prepend-as
mutual exclusion check\"+\t\t\"Adding back presence statement to destination.\";\t}\trevision 2015-12-04
{\t\tdescription \"Convert comp_help extension to description.\";\t}\trevision 2015-08-06 {\t\tdescription
\"Initial revision of version 1\";\t}\ttypedef metric-val {\t\ttype union {\t\t\ttype string {\t\t\t\tpattern
'^[-+]?[0123456789]+$' {\t\t\t\terror-message \"Metric must be an integer with an optional +/- prepend. It
can be 0..4294967295 or [+/-]1..4294967295\";\t\t\t}\t\t\t\tconfigd:help \"[+/-] Add or subtract metric
value\";\t\t\t}\t\t\ttype uint32 {\t\t\trange 0..4294967295;\t\t\t\tconfigd:help \"Metric
value\";\t\t\t}\t\t}\t}\ttypedef community-list {\t\ttype union {\t\t\ttype uint32 {\t\t\trange 1..199
{\t\t\t\terror-message \"Community-list must be in range 1 to 199 \";\t\t\t}\t\t\t\tconfigd:help \"BGP
community list number\";\t\t\t}\t\t\ttype string {\t\t\tpattern '[a-zA-Z0-9~`!@#$%^&*() +-
=|\\\\;:\",./<>?\\{\\}\\[\\]]*[a-zA-Z]+[a-zA-Z0-9~`!@#$%^&*() +-=|\\\\;:\",./<>?\\{\\}\\[\\]]*'
{\t\t\t\terror-message \"Community-list can be alphanumeric or number in range 1 to
199\";\t\t\t}\t\t\t\tconfigd:help \"BGP community list Name\";\t\t\t}\t\t}\t}\ttypedef community-list-std
{\t\ttype union {\t\t\ttype uint32 {\t\t\trange 1..99 {\t\t\terror-message \"Community-list(standard)
must be in range 1 to 99 \";\t\t\t}\t\t\t\tconfigd:help \"BGP community list (standard)
number\";\t\t\t}\t\t\ttype string {\t\t\tpattern '[a-zA-Z0-9~`!@#$%^&*() +-
=|\\\\;:\",./<>?\\{\\}\\[\\]]*[a-zA-Z]+[a-zA-Z0-9~`!@#$%^&*() +-=|\\\\;:\",./<>?\\{\\}\\[\\]]*'
{\t\t\t\terror-message \"Community-list(standard) can be alphanumeric or number in range 1 to
99\";\t\t\t}\t\t\t\tconfigd:help \"BGP community list (standard) Name\";\t\t\t}\t}\t}\ttypedef community-
list-exp {\t\ttype union {\t\t\ttype uint32 {\t\t\trange 100..199 {\t\t\t\terror-message \"Community-
list(expanded) must be in range 100 to 199 \";\t\t\t}\t\t\t\tconfigd:help \"BGP community list (expanded)
number\";\t\t\t}\t\t\ttype string {\t\t\tpattern '[a-zA-Z0-9~`!@#$%^&*() +-
=|\\\\;:\",./<>?\\{\\}\\[\\]]*[a-zA-Z]+[a-zA-Z0-9~`!@#$%^&*() +-=|\\\\;:\",./<>?\\{\\}\\[\\]]*'
{\t\t\t\terror-message \"Community-list(expanded) can be alphanumeric or number in range 100 to
199\";\t\t\t}\t\t\t\tconfigd:help \"BGP community list (expanded) Name\";\t\t\t}\t}\t}\ttypedef
extcommunity-list {\t\ttype union {\t\t\ttype uint32 {\t\t\trange 1..199 {\t\t\t\terror-message
\"Extended community-list must be in range 1 to 199 \";\t\t\t}\t\t\t\tconfigd:help \"BGP Extended community
list number\";\t\t\t}\t\t\ttype string {\t\t\tpattern '[a-zA-Z0-9~`!@#$%^&*() +-
=|\\\\;:\",./<>?\\{\\}\\[\\]]*[a-zA-Z]+[a-zA-Z0-9~`!@#$%^&*() +-=|\\\\;:\",./<>?\\{\\}\\[\\]]*'
{\t\t\t\terror-message \"Community-list can be alphanumeric or number in range 1 to
199\";\t\t\t}\t\t\t\tconfigd:help \"BGP Extended community list Name\";\t\t\t}\t}\t}\ttypedef
extcommunity-list-std {\t\ttype union {\t\t\ttype uint32 {\t\t\trange 1..99 {\t\t\t\terror-message
\"Extended community-list(standard) must be in range 1 to 99 \";\t\t\t}\t\t\t\tconfigd:help \"BGP Extended
community list (standard) number\";\t\t\t}\t\t\ttype string {\t\t\tpattern '[a-zA-Z0-9~`!@#$%^&*() +-
=|\\\\;:\",./<>?\\{\\}\\[\\]]*[a-zA-Z]+[a-zA-Z0-9~`!@#$%^&*()_+-=|\\\\;:\",./<>?\\{\\}\\[\\]]*'
{\t\t\t\terror-message \"Extended community-list(standard) can be alphanumeric or number in range 1 to

99\";\t\t\t\t}\t\t\t\t\tconfigd:help \"BGP Extended community list (standard) Name\";\t\t\t}\t\t\t}\t}\ttypedef extcommunity-list-exp {\t\ttype union {\t\t\ttype uint32 {\t\t\t\trange 100..199 {\t\t\t\t\terror-message \"Extended community-list(expanded) must be in range 100 to 199 \";\t\t\t\t}\t\t\t\t\tconfigd:help \"BGP Extended community list (expanded) number\";\t\t\t}\t\t\ttype string {\t\t\t\tpattern '[a-zA-Z0-9~`!@#$%^&*()_+-=|\\\\;:\",./<>?\\{\\}\\[\\]]*[a-zA-Z]+[a-zA-Z0-9~`!@#$%^&*()_+-=|\\\\;:\",./<>?\\{\\}\\[\\]]*' {\t\t\t\t\terror-message \"Extended community-list(expanded) can be alphanumeric or number in range 100 to 199\";\t\t\t\t}\t\t\t\t\tconfigd:help \"BGP Extended community list (expanded) Name\";\t\t\t}\t\t}\t}\ttypedef rmap-community {\t\tdescription\t\t\t\"AA:NN   Community Number\t\t\t internet   Internet\t\t\t local-as   Do not send outside local AS\t\t\t no-advertise Do not advertise to any peer\t\t\t no-export   Do not export to next AS\t\t\t none   No community attribute\";\t\ttype string {\t\t\tconfigd:pattern-help \"<AA:NN>\";\t\t\tconfigd:help \"Community Number in AA:NN format\";\t\t}\t}\ttypedef community {\t\tdescription\t\t\t\"AA:NN   Community Number\t\t\t internet   Internet\t\t\t local-as   Do not send outside local AS\t\t\t no-advertise Do not advertise to any peer\t\t\t no-export   Do not export to next AS\";\t\ttype string {\t\t\tconfigd:pattern-help \"<AA:NN>\";\t\t\tconfigd:help \"Community Number in AA:NN format\";\t\t}\t}\tgrouping community-list-common {\t\tleaf description {\t\t\ttype string;\t\t\tconfigd:help \"Description for this rule\";\t\t}\t\tleaf action {\t\t\tmandatory true;\t\t\ttype enumeration {\t\t\t\tenum \"permit\" {\t\t\t\t\tconfigd:help \"Permit matching communities\";\t\t\t\t}\t\t\t\tenum \"deny\" {\t\t\t\t\tconfigd:help \"Deny matching communities\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"Action to take on communities matching this rule [REQUIRED]\";\t\t}\t}\tgrouping community-list-rules-std {\t\tleaf description {\t\t\ttype string;\t\t\tconfigd:help \"Description for this community list(standard)\";\t\t}\t\tlist rule {\t\t\tconfigd:help \"create a rule for this BGP community list(standard)\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"create a rule for this BGP community list(standard)\";\t\t\t}\t\t\tuses community-list-common;\t\t\tleaf community {\t\t\t\tmandatory true;\t\t\t\ttype community {\t\t\t\t\tconfigd:syntax \"/opt/vyatta/sbin/vyatta routing utils.pl --check-clist-community $VAR(@)\";\t\t\t\t}\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) community\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/policy/route/community-list/rule/community/configd_allowed.sh\";\t\t\t}\t\t}\t}\tgrouping community-list-rules-exp {\t\tleaf description {\t\t\ttype string;\t\t\tconfigd:help \"Description for this community list(expanded)\";\t\t}\t\tlist rule {\t\t\tconfigd:help \"create a rule for this BGP community list(expanded)\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"create a rule for this BGP community list(expanded)\";\t\t\t}\t\t\tuses community-list-common;\t\t\tleaf regex {\t\t\t\tmandatory true;\t\t\t\ttype string;\t\t\t\tconfigd:help \"Regular expression to match against a community list\";\t\t\t}\t\t}\t}\tgrouping extcommunity-list-rules-std {\t\tleaf description {\t\t\ttype string;\t\t\tconfigd:help \"Description for this extended community list(standard)\";\t\t}\t\tlist rule {\t\t\tconfigd:help \"create a rule for this BGP extended community list(standard)\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"create a rule for this BGP extended community list(standard)\";\t\t\t}\t\t\tuses community-list-common {\t\t\t\trefine action {\t\t\t\t\tmust \"../rt or ../soo\" {\t\t\t\t\t\terror-message \" You must specify a community attribute, rt or soo or both! \";\t\t\t\t\t}\t\t\t   }\t\t\t}\t\t\tleaf rt {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Route Target extended community in AA:NN or IPAddr:NN format\";\t\t\t}\t\t\tleaf soo {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Site-of-Origin extended community in AA:NN or IPAddr:NN format\";\t\t\t}\t\t}\t}\tgrouping extcommunity-list-rules-exp {\t\tleaf description {\t\t\ttype string;\t\t\tconfigd:help \"Description for this extended community list(expanded)\";\t\t}\t\tlist rule {\t\t\tconfigd:help \"create a rule for this BGP extended community list(expanded)\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"create a rule for this BGP extended community list(expanded)\";\t\t\t}\t\t\tuses community-list-common;\t\t\tleaf regex {\t\t\t\tmandatory true;\t\t\t\ttype string;\t\t\t\tconfigd:help \"Regular expression to match against a extcommunity list\";\t\t\t}\t\t}\t}\tgrouping ip-access-list-or-prefix-list {\t\tleaf access-list {\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/route/access-list/tagnode\";\t\t\t}\t\t\tconfigd:help \"IP access-list to match\";\t\t}\t\tleaf prefix-list {\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/route/prefix-list/tagnode\";\t\t\t}\t\t\tmust \"not(../access-list)\" {\t\t\t\terror-message \"You may configure prefix-list/access-list, not both!\";\t\t\t}\t\t\tconfigd:help \"IP prefix-list to match\";\t\t}\t}\tgrouping ipv6-access-list-or-prefix-list {\t\tleaf access-list {\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/route/access-list6/tagnode\";\t\t\t}\t\t\tconfigd:help \"IPv6 access-list6 to match\";\t\t}\t\tleaf prefix-list {\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/route/prefix-list6/tagnode\";\t\t\t}\t\t\tmust \"not(../access-list)\" {\t\t\t\terror-message \"You may configure prefix-list/access-list, not both!\";\t\t\t}\t\t\tconfigd:help \"IPv6 prefix-list to match\";\t\t}\t}\taugment /policy:policy {\t\tcontainer route {\t\t\tconfigd:help \"Routing policy\";\t\t\tpresence \"Enables policy route\";\t\t\tlist access-list6 {\t\t\t\tconfigd:priority \"470\";\t\t\t\tconfigd:help \"IPv6 access-list filter\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/access-list6/configd end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[!-~]{1,64}' {\t\t\t\t\t\t\terror-message \"access-list name must be 64 characters or less\";\t\t\t\t\t\t}\t\t\t\t\t\tpattern '[^-].*' {\t\t\t\t\t\t\terror-message \"access-list name cannot start with \"-\"\";\t\t\t\t\t\t}\t\t\t\t\t\tpattern '[^\\\\|;&$<>]*' {\t\t\t\t\t\t\terror-message \"access-list name cannot contain shell punctuation\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"IPv6 access-list filter\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description for this IPv6 access-list\";\t\t\t\t}\t\t\t\tlist rule {\t\t\t\t\tconfigd:help \"Rule for this access-list6\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..65535;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Rule for this access-list6\";\t\t\t\t\t}\t\t\t\t\tleaf description {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Description for this IPv6 access-list rule\";\t\t\t\t\t}\t\t\t\t\tleaf action {\t\t\t\t\t\tmandatory true;\t\t\t\t\t\tmust \"(../source)\" {\t\t\t\t\t\t\terror-message \"You must specify source\";\t\t\t\t\t\t}\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"permit\" {\t\t\t\t\t\t\t\tconfigd:help \"Permit matching networks\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"deny\" {\t\t\t\t\t\t\t\tconfigd:help \"Deny matching networks\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Action to take on networks matching this rule [REQUIRED]\";\t\t\t\t\t}\t\t\t\t\tcontainer source {\t\t\t\t\t\tconfigd:help \"Source IPv6 network to match\";\t\t\t\t\t\tleaf exact-match {\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\tmust \"(../network)\" {\t\t\t\t\t\t\t\terror-message \"You must specify network to configure exact-match\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Exact match of the network prefixes\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf any {\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\tmust \"not(../network)\"

{\t\t\t\t\t\t\terror-message \"You may only define one filter type.
(network|any)\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Any IPv6 address to
match\";\t\t\t\t\t}\t\t\t\t\tleaf network {\t\t\t\t\t\ttype types:ipv6-
prefix;\t\t\t\t\t\tconfigd:help \"Network/netmask to match (requires inverse-mask be
defined)\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t\tlist access-list {\t\t\tconfigd:priority
\"470\";\t\t\tconfigd:help \"IP access-list filter\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/policy/route/access-list/config_end.sh\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\trange \"1..99 | 100..199 | 1300..1999 |
2000..2699\";\t\t\t\t}\t\t\t\tconfigd:help \"Access list number must be
<1-99>\\tIP standard access list   <100-199>\\tIP extended
access list   <1300-1999>\\tIP standard access list (expanded
range)\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Description for
this access-list\";\t\t\t}\t\t\tlist rule {\t\t\t\tconfigd:help \"Rule for this access-
list\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
1..65535;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Rule for this access-list\";\t\t\t\t}\t\t\t\tleaf
description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description for this
rule\";\t\t\t\t}\t\t\t\tleaf action {\t\t\t\t\tmandatory true;\t\t\t\t\tmust \"(../source)\"
{\t\t\t\t\t\terror-message \"You must specify source\";\t\t\t\t\t}\t\t\t\t\ttype enumeration
{\t\t\t\t\t\tenum \"permit\" {\t\t\t\t\t\t\tconfigd:help \"Permit matching
networks\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"deny\" {\t\t\t\t\t\t\tconfigd:help \"Deny matching
networks\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Action to take on networks matching this
rule [REQUIRED]\";\t\t\t\t}\t\t\t\tcontainer source {\t\t\t\t\tconfigd:help \"Source network or address
to match\";\t\t\t\t\tmust \"(../destination) or \"\t\t\t\t\t+\"(../../tagnode >= 1 and ../../tagnode <=
99) or \"\t\t\t\t\t+\"(../../tagnode >= 1300 and ../../tagnode <= 1999)\" {\t\t\t\t\t\terror-message
\"You must configure destination for extended-range(100-199 | 2000-2699)\";\t\t\t\t\t}\t\t\t\t\tleaf host
{\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tmust \"not(../network) and not(../any)\"
{\t\t\t\t\t\t\terror-message \"You may only define one filter type.
(host|network|any)\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Single host IP address to
match\";\t\t\t\t\t}\t\t\t\t\tleaf inverse-mask {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tmust
\"(../network)\" {\t\t\t\t\t\t\terror-message \"You must configure network to specify inverse-
mask\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Network/netmask to match (requires network be
defined)\";\t\t\t\t\t}\t\t\t\t\tleaf any {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tmust \"not(../host) and
not(../network)\" {\t\t\t\t\t\t\terror-message \"You may only define one filter type.
(host|network|any)\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Any IP address to
match\";\t\t\t\t\t}\t\t\t\t\tleaf network {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tmust
\"not(../host) and not(../any)\" {\t\t\t\t\t\t\terror-message \"You may only define one filter type.
(host|network|any)\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"(../inverse-mask)\" {\t\t\t\t\t\t\terror-message
\"You must configure inverse-mask for the network\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help
\"Network/netmask to match (requires inverse-mask be defined)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer
destination {\t\t\t\t\tpresence \"Enables setting destination for expanded range\";\t\t\t\t\tmust
\"(((../../tagnode >= '100' and ../../tagnode <= '199') or \"\t\t\t\t\t   +\"(../../tagnode >= '2000' and
../../tagnode <= '2699')) and \"\t\t\t\t\t   +\"(count(*) > 0)) or \"\t\t\t\t\t   +\"(((../../tagnode
>= '1' and ../../tagnode <= '99') or \"\t\t\t\t\t   +\"(../../tagnode >= '1300' and ../../tagnode <=
'1999')) and \"\t\t\t\t\t   +\"(count(*) = 0))\" {\t\t\t\t\t\terror-message \"You may specify
destination filter for expanded range, <100-199>|<2000-2699>\";\t\t\t\t\t}\t\t\t\t\tconfigd:help
\"Destination network or address\";\t\t\t\t\tleaf host {\t\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\t\tmust \"not(../network) and not(../any)\" {\t\t\t\t\t\t\terror-message \"You may only
define one filter type. (host|network|any)\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Single host IP
address to match\";\t\t\t\t\t}\t\t\t\t\tleaf inverse-mask {\t\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\t\tmust \"(../network)\" {\t\t\t\t\t\t\terror-message \"You must configure network to
specify inverse-mask\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Network/netmask to match (requires network
be defined)\";\t\t\t\t\t}\t\t\t\t\tleaf any {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tmust \"not(../host)
and not(../network)\" {\t\t\t\t\t\t\terror-message \"You may only define one filter type.
(host|network|any)\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Any IP address to
match\";\t\t\t\t\t}\t\t\t\t\tleaf network {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tmust
\"not(../host) and not(../any)\" {\t\t\t\t\t\t\terror-message \"You may only define one filter type.
(host|network|any)\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"(../inverse-mask)\" {\t\t\t\t\t\t\terror-message
\"You must specify inverse-mask for the network\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Network/netmask
to match (requires inverse-mask be defined)\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t\tcontainer
community-list {\t\t\tconfigd:help \"Border Gateway Protocol (BGP) community-list filter\";\t\t\tlist
standard {\t\t\t\tconfigd:priority \"470\";\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP)
community-list(standard) filter\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/policy/route/community-list/standard/configd_end.sh\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype community-list-std;\t\t\t\t\tmust \"current() !=
(../../expanded/tagnode)\" {\t\t\t\t\t\terror-message \"Cannot configure same community-name for both
standard and expanded\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tuses community-list-rules-std;\t\t\t}\t\t\tlist
expanded {\t\t\t\tconfigd:priority \"470\";\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP)
community-list(expanded) filter\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/policy/route/community-list/expanded/configd_end.sh\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype community-list-exp;\t\t\t\t}\t\t\t\tuses community-
list-rules-exp;\t\t\t}\t\t}\t\tcontainer extcommunity-list {\t\t\tconfigd:help \"Border Gateway
Protocol (BGP) Extended community-list filter\";\t\t\tlist standard {\t\t\t\tconfigd:priority
\"470\";\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) Extended community-list(standard)
filter\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/extcommunity-
list/standard/configd_end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype
extcommunity-list-std;\t\t\t\t\tmust \"current() != (../../expanded/tagnode)\" {\t\t\t\t\t\terror-message
\"Cannot configure same extended-community-name for both standard and
expanded\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tuses extcommunity-list-rules-std;\t\t\t}\t\t\tlist expanded
{\t\t\t\tconfigd:priority \"470\";\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) Extended
community-list(expanded) filter\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/policy/route/extcommunity-list/expanded/configd_end.sh\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype extcommunity-list-exp;\t\t\t\t}\t\t\t\tuses
extcommunity-list-rules-exp;\t\t\t}\t\t}\t\tlist as-path-list {\t\t\tconfigd:priority

\"470\";\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) autonomous system path filter\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/as-path-list/configd end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[-a-zA-Z0-9.]+' {\t\t\t\t\t\t\terror-message \"as-path-list name must be alpha-numeric\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) autonomous system path filter\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description for this as-path-list\";\t\t\t\t}\t\t\t\tlist rule {\t\t\t\t\tconfigd:help \"Rule for this as-path-list\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..65535;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Rule for this as-path-list\";\t\t\t\t\t}\t\t\t\t\tleaf description {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Description for this rule\";\t\t\t\t\t}\t\t\t\t\tleaf action {\t\t\t\t\t\tmandatory true;\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"permit\" {\t\t\t\t\t\t\t\tconfigd:help \"Permit matching as-paths\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"deny\" {\t\t\t\t\t\t\t\tconfigd:help \"Deny matching as-paths\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Action to take on AS paths matching this rule [REQUIRED]\";\t\t\t\t\t}\t\t\t\t\tleaf regex {\t\t\t\t\t\tmandatory true;\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Regular expression to match against an AS path\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tlist route-map {\t\t\tconfigd:priority \"470\";\t\t\tconfigd:help \"IP route-map\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern '[-a-zA-Z0-9.]+' {\t\t\t\t\t\tconfigd:error-message \"route-map $VAR(@): name must be alpha-numeric\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"IP route-map\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Description for this route-map\";\t\t\t}\t\t\tlist rule {\t\t\tconfigd:help \"Rule for this route-map\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/configd_end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..65535;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Rule for this route-map\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description for this rule\";\t\t\t\t}\t\t\t\tleaf action {\t\t\t\t\tmandatory true;\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"permit\" {\t\t\t\t\t\t\tconfigd:help \"Permit matching prefixes\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"deny\" {\t\t\t\t\t\t\tconfigd:help \"Deny matching prefixes\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Action to take on prefixes matching this rule [REQUIRED]\";\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/action/configd update.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/action/configd_delete.sh\";\t\t\t\t}\t\t\t\tcontainer set {\t\t\t\t\tpresence \"Enables route-map set\";\t\t\t\t\tconfigd:help \"Route parameters\";\t\t\t\t\tleaf tag {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..65535;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Tag value for routing protocol\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/tag/configd update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/tag/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf originator-id {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) originator ID attribute\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/originator-id/configd update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/originator-id/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\tcontainer aggregator {\t\t\t\t\t\tpresence \"Enables route-map set aggregator\";\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) aggregator attribute\";\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/aggregator/configd end.sh\";\t\t\t\t\t\tleaf ip {\t\t\t\t\t\t\tmandatory true;\t\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\t\tmust \"(current() != '0.0.0.0')\" {\t\t\t\t\t\t\t\terror-message \"Aggregator IP cannot be 0.0.0.0!\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"IP address of an aggregation\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf as {\t\t\t\t\t\t\tmandatory true;\t\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\t\trange 1..max {\t\t\t\t\t\t\t\t\terror-message \"BGP AS number must be between 1 and 4294967295\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"AS number of an aggregation\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf local-preference {\t\t\t\t\t\ttype uint32;\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) local preference attribute\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/local-preference/configd update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/local-preference/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tcontainer ipv6-next-hop {\t\t\t\t\t\tpresence \"Enables route-map set ipv6-next-hop\";\t\t\t\t\t\tconfigd:help \"Nexthop IPv6 address\";\t\t\t\t\t\tleaf global {\t\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\t\tconfigd:help \"Nexthop IPv6 global address\";\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/ipv6-next-hop/global/configd update.sh\";\t\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/ipv6-next-hop/global/configd_delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf local {\t\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\t\tconfigd:help \"Nexthop IPv6 local address\";\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/ipv6-next-hop/local/configd update.sh\";\t\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/ipv6-next-hop/local/configd_delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf origin {\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"igp\" {\t\t\t\t\t\t\t\tconfigd:help \"Interior gateway protocol origin\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"egp\" {\t\t\t\t\t\t\t\tconfigd:help \"Exterior gateway protocol origin\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"incomplete\" {\t\t\t\t\t\t\t\tconfigd:help \"Incomplete origin\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) origin code\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/origin/configd_allowed.sh\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/origin/configd_update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/origin/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf metric-type {\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"type-1\" {\t\t\t\t\t\t\t\tconfigd:help \"OSPF external type 1 metric\";\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"type-2\" {\t\t\t\t\t\t\t\tconfigd:help \"OSPF external

type 2 metric\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Open Shortest Path First (OSPF) external metric-type\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/metric-type/configd update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/metric-type/configd_delete.sh\";\t\t\t\t\t\t}\t\t\t\t\tleaf as-path-prepend {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/as-path-prepend/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Prepend string for a Border Gateway Protocol (BGP) AS-path attribute\";\t\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/as-path-prepend/configd validate.sh\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/as-path-prepend/configd_update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/as-path-prepend/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tcontainer prepend-as {\t\t\t\t\t\tdescription \"This container is used to configure own-as/last-as.\";\t\t\t\t\t\tconfigd:help \"Prepend ASN\";\t\t\t\t\tleaf own-as {\t\t\t\t\t\tdescription \"This leaf is used to configure own-as <1..32> times.\";\t\t\t\t\t\tconfigd:help \"Prepend own-as\";\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..32;\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf last-as {\t\t\t\t\t\tdescription \"This leaf is used to configure last-as <1..32> times.\";\t\t\t\t\t\tconfigd:help \"Prepend last-as\";\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..32;\t\t\t\t\t\t}\t\t\t\t\t\tmust \"not(../own-as)\" {\t\t\t\t\t\t\terror-message \"You may configure only one option. (as-path-prepend| prepend-as last-as | prepend-as own-as)\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/as-path-prepend/configd_create_own_as_last_as.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/as-path-prepend/configd delete own as last as.sh\";\t\t\t\t\t}\t\t\t\t\tleaf community {\t\t\t\t\t\ttype rmap-community {\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/sbin/vyatta_routing_utils.pl --check-rmap-community $VAR(@)\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) community\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/community/configd_allowed.sh\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/community/configd update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/community/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf add-community {\t\t\t\t\t\ttype community {\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/sbin/vyatta routing utils.pl --check-clist-community $VAR(@)\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"not(../community)\" {\t\t\t\t\t\t\terror-message \"You may configure community or add-community. Not both!\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) community to add to the existing community\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/add-community/configd_allowed.sh\";\t\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/add-community/configd create.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/add-community/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tcontainer extcommunity {\t\t\t\t\t\tpresence \"Enables route-map set extcommunity\";\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) extcommunity attribute\";\t\t\t\t\t\tleaf rt {\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\tconfigd:help \"Route Target extended community in AA:NN or IPAddr:NN format\";\t\t\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/extcommunity/rt/configd_create.sh\";\t\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/extcommunity/rt/configd_delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf soo {\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\tconfigd:help \"Site-of-Origin extended community in AA:NN or IPAddr:NN format\";\t\t\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/extcommunity/soo/configd create.sh\";\t\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/extcommunity/soo/configd_delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf delete-community {\t\t\t\t\t\ttype community-list;\t\t\t\t\t\tmust \"(current() = ../../../../community-list/standard/tagnode) or (current() = ../../../../community-list/expanded/tagnode)\" {\t\t\t\t\t\t\terror-message \"Community-list does not exist!\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) community-list to delete\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/delete-community/configd_allowed.sh\";\t\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/delete-community/configd create.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/delete-community/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf atomic-aggregate {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) atomic aggregate attribute\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/atomic-aggregate/configd_update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/atomic-aggregate/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf weight {\t\t\t\t\t\ttype uint32;\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) weight attribute\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/weight/configd_update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/weight/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf metric {\t\t\t\t\t\ttype metric-val;\t\t\t\t\t\tconfigd:help \"Destination routing protocol metric\";\t\t\t\t\t\tmust \"(number(substring-after(current(), '+')) > 0 and number(substring-after(current(),'+')) < 4294967296) or\"\t\t\t\t\t +\"(number(substring-after(current(), '-')) > 0 and number(substring-after(current(),'-')) < 4294967296) or\"\t\t\t\t\t +\"((not(starts-with(current(), '+'))) and (not(starts-with(current(), '-'))) and (current() >= 0) and \"\t\t\t\t\t +\"(current() <= 4294967295))\" {\t\t\t\t\t\t\terror-message \"Invalid metric value. It can be 0..4294967295 or [+/-]1..4294967295\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-

map/rule/set/metric/configd_update.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/set/metric/configd delete.sh\";\t\t\t\t\t\t}\t\t\t\t\tleaf ip-next-hop {\t\t\t\t\t\ttype
types:ipv4-address;\t\t\t\t\t\tconfigd:help \"Nexthop IP address\";\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/set/ip-next-
hop/configd_update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/set/ip-next-hop/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\tleaf continue
{\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..65535;\t\t\t\t\t}\t\t\t\t\tmust \"current() >
../tagnode\" {\t\t\t\t\t\terror-message \"You may only continue forward in the route-
map\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Jump to a different rule in this route-map on a
match\";\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/continue/configd_update.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/continue/configd delete.sh\";\t\t\t\t}\t\t\t\tcontainer match {\t\t\t\t\tpresence \"Enables
route-map match\";\t\t\t\t\tconfigd:help \"Route parameters to match\";\t\t\t\t\tleaf tag
{\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..65535;\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route
tag to match\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/tag/configd_update.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/tag/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tcontainer ip {\t\t\t\t\t\tpresence
\"Enables route-map match ip\";\t\t\t\t\t\tconfigd:help \"IP prefix parameters to
match\";\t\t\t\t\t\tcontainer peer {\t\t\t\t\t\t\tpresence \"Enables route-map match ip
peer\";\t\t\t\t\t\t\tconfigd:help \"IP peer to match\";\t\t\t\t\t\t\tleaf access-list
{\t\t\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\t\t\tpath \"/policy:policy/route/access-
list/tagnode\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tconfigd:help \"IP access-list to
match\";\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ip/peer/access-list/configd_update.sh\";\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ip/peer/access-
list/configd_delete.sh\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tcontainer nexthop
{\t\t\t\t\t\t\tpresence \"Enables route-map match ip nexthop\";\t\t\t\t\t\t\tconfigd:help \"IP next-hop
of route to match\";\t\t\t\t\t\t\tuses ip-access-list-or-prefix-list {\t\t\t\t\t\t\t\trefine access-list
{\t\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ip/nexthop/access-list/configd_update.sh\";\t\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ip/nexthop/access-
list/configd delete.sh\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\trefine prefix-list
{\t\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ip/nexthop/prefix-list/configd update.sh\";\t\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ip/nexthop/prefix-
list/configd_delete.sh\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tcontainer address
{\t\t\t\t\t\t\tpresence \"Enables route-map match ip address\";\t\t\t\t\t\t\tconfigd:help \"IP address of
route to match\";\t\t\t\t\t\t\tuses ip-access-list-or-prefix-list {\t\t\t\t\t\t\t\trefine access-list
{\t\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ip/address/access-list/configd update.sh\";\t\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ip/address/access-
list/configd_delete.sh\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\trefine prefix-list
{\t\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ip/address/prefix-list/configd update.sh\";\t\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ip/address/prefix-
list/configd_delete.sh\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tleaf source-
protocol {\t\t\t\t\t\t\tdescription \"This container is used to match nexthop based on source-
protocol.\";\t\t\t\t\t\t\ttype enumeration {\t\t\t\t\t   \tenum \"connected\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Connected\";   \t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"kernel\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Kernel\";   \t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"static\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Static routes\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"rip\" {
\t\t\t\t\t\t\t\t\tconfigd:help \"Routing Information Protocol
(RIP)\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"ospf\" { \t\t\t\t\t\t\t\t\tconfigd:help \"Open
Shortest Path First (OSPF)\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"bgp\" {
\t\t\t\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol
(BGP)\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Source protocol to be
matched\";\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ip/source-protocol/configd_update.sh\";\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ip/source-protocol/configd_delete.sh\";
\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf origin {\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum
\"egp\" {\t\t\t\t\t\t\t\tconfigd:help \"Exterior gateway protocol origin
\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"igp\" {\t\t\t\t\t\t\t\tconfigd:help \"Interior gateway protocol
origin\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"incomplete\" {\t\t\t\t\t\t\t\tconfigd:help \"Incomplete
origin \";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) origin
code to match\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/origin/configd_update.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/origin/configd delete.sh\";\t\t\t\t\t}\t\t\t\t\tuses if-validation:interface-common
{\t\t\t\t\t\trefine interface {\t\t\t\t\t\t\tconfigd:help \"First hop interface of a route to
match\";\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/interface/configd_update.sh\";\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/interface/configd delete.sh\";\t\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-
interfaces.pl --show all\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer community
{\t\t\t\t\t\tpresence \"Enables route-map match community\";\t\t\t\t\t\tconfigd:help \"BGP community-list
to match\";\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/community/configd_end.sh\";\t\t\t\t\t\tleaf exact-match {\t\t\t\t\t\t\ttype
empty;\t\t\t\t\t\t\tconfigd:help \"Community-list to exactly match\";\t\t\t\t\t\t\tmust
\"not(../community-list) or \" +\t\t\t\t\t\t\t \"not(../community-list = ../../../../../community-
list/expanded/tagnode)\" {\t\t\t\t\t\t\t\terror-message \"Exact-match cannot be configured for expanded
community-list\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tleaf community-list {\t\t\t\t\t\t\ttype

community-list;\t\t\t\t\t\t\tconfigd:help \"BGP community-list to match\";\t\t\t\t\t\t\tmust \"(current()
= ../../../../../community-list/standard/tagnode) or (current() = ../../../../../community-
list/expanded/tagnode)\" {\t\t\t\t\t\t\t\terror-message \"Community-list does not
exist!\";\t\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/community/community-
list/config_allowed.sh\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer extcommunity
{\t\t\t\t\t\tpresence \"Enables route-map match extcommunity\";\t\t\t\t\t\tconfigd:help \"BGP
extcommunity-list to match\";\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/extcommunity/configd_end.sh\";\t\t\t\t\t\tleaf exact-match {\t\t\t\t\t\t\ttype
empty;\t\t\t\t\t\t\tconfigd:help \"Extcommunity-list to exactly match\";\t\t\t\t\t\t\tmust
\"not(../extcommunity-list) or \" +\t\t\t\t\t\t\t \"not(../extcommunity-list =
../../../../../extcommunity-list/expanded/tagnode)\" {\t\t\t\t\t\t\t\terror-message \"Exact-match cannot be
configured for expanded extcommunity-list\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tleaf extcommunity-
list {\t\t\t\t\t\t\ttype extcommunity-list;\t\t\t\t\t\t\tconfigd:help \"BGP extcommunity-list to
match\";\t\t\t\t\t\t\tmust \"(current() = ../../../../../extcommunity-list/standard/tagnode) or (current()
= ../../../../../extcommunity-list/expanded/tagnode)\" {\t\t\t\t\t\t\t\terror-message \"Extcommunity-list
does not exist!\";\t\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/extcommunity/extcommunity-
list/config_allowed.sh\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer ipv6 {\t\t\t\t\t\tpresence
\"Enables route-map match ipv6\";\t\t\t\t\t\tconfigd:help \"IPv6 prefix parameters to
match\";\t\t\t\t\t\tcontainer peer {\t\t\t\t\t\t\tpresence \"Enables route-map match ipv6
peer\";\t\t\t\t\t\t\tconfigd:help \"IP peer to match\";\t\t\t\t\t\t\tleaf access-list
{\t\t\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\t\t\tpath \"/policy:policy/route/access-
list6/tagnode\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"IPv6 access-list6 to
match\";\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ipv6/peer/access-list/configd_update.sh\";\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ipv6/peer/access-
list/configd_delete.sh\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tcontainer nexthop
{\t\t\t\t\t\t\tpresence \"Enables route-map match ipv6 nexthop\";\t\t\t\t\t\t\tconfigd:help \"IP next-hop
of route to match\";\t\t\t\t\t\t\tuses ipv6-access-list-or-prefix-list {\t\t\t\t\t\t\t\trefine access-
list{\t\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ipv6/nexthop/access-list/configd_update.sh\";\t\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ipv6/nexthop/access-
list/configd_delete.sh\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\trefine prefix-list
{\t\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ipv6/nexthop/prefix-list/configd_update.sh\";\t\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ipv6/nexthop/prefix-
list/configd_delete.sh\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tcontainer address
{\t\t\t\t\t\t\tpresence \"Enables route-map match ipv6 address\";\t\t\t\t\t\t\tconfigd:help \"IPv6
address of route to match\";\t\t\t\t\t\t\tuses ipv6-access-list-or-prefix-list {\t\t\t\t\t\t\t\trefine
access-list {\t\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ipv6/address/access-list/configd_update.sh\";\t\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ipv6/address/access-
list/configd_delete.sh\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\trefine prefix-list
{\t\t\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ipv6/address/prefix-list/configd_update.sh\";\t\t\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ipv6/address/prefix-
list/configd_delete.sh\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tleaf source-
protocol {\t\t\t\t\t\t\tdescription \"This container is used to match nexthop based on source-
protocol.\";\t\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\t\tenum \"connected\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Connected\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"kernel\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Kernel\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"static\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Static routes\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"ripng\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Routing Information Protocol
(RIPng)\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"ospfv3\" {\t\t\t\t\t\t\t\t\tconfigd:help \"Open
Shortest Path First (OSPF6)\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tenum \"bgp\"
{\t\t\t\t\t\t\t\t\tconfigd:help \"Border Gateway Protocol
(BGP)\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Source protocol to be
matched\";\t\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/ipv6/source-protocol/configd_update.sh\";\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/ipv6/source-protocol/configd_delete.sh\";
}\t\t\t\t\t\t}\t\t\t\t\t\tleaf as-path {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath
\"/policy:policy/route/as-path-list/tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"BGP as-path-list to
match\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-map/rule/match/as-
path/configd_update.sh\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/as-path/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf metric {\t\t\t\t\t\ttype uint32
{\t\t\t\t\t\t\trange 0..4294967295;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric of route to
match\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/metric/configd_update.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/policy/route/route-
map/rule/match/metric/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t\t}\t\tlist prefix-list6
{\t\t\tconfigd:priority \"470\";\t\t\tconfigd:help \"IPv6 prefix-list filter\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\ttype string {\t\t\t\tpattern '[-a-zA-Z0-9.]+'
{\t\t\t\t\terror-message \"prefix-list6 name must be alpha-
numeric\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"IPv6 prefix-list filter\";\t\t\t}\t\t\tleaf
description {\t\t\t\ttype string;\t\t\tconfigd:help \"Description for this prefix-
list6\";\t\t\t}\t\t\tlist rule {\t\t\tconfigd:help \"Rule for this prefix-
list6\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/prefix-
list6/rule/configd_delete.sh\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/prefix-
list6/rule/configd_end.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\ttype uint32
{\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\tconfigd:help \"Rule for this prefix-
list6\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string;\t\t\tconfigd:help \"Description
for this rule\";\t\t\t}\t\t\tleaf action {\t\t\t\tmandatory true;\t\t\ttype enumeration
{\t\t\t\t\tenum \"permit\" {\t\t\t\t\tconfigd:help \"Permit matching

prefixes\";\t\t\t\t\t\t}\t\t\t\t\tenum \"deny\" {\t\t\t\t\t\tconfigd:help \"Deny matching prefixes\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Action to take on prefixes matching this rule\";\t\t\t\t}\t\t\t\tleaf ge {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..128;\t\t\t\t\t}\t\t\t\t\tmust \"not(../le) or current() <= ../le\" {\t\t\t\t\t\terror-message \"ge must be lesser than or equal to le\";\t\t\t\t\t}\t\t\t\t\tmust \"current() > number(substring-after(../prefix, '/'))\" {\t\t\t\t\t\terror-message \"ge must be greater than prefix length\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Prefix length to match a netmask greater than or equal to it\";\t\t\t\t}\t\t\t\tleaf prefix {\t\t\t\t\tmandatory true;\t\t\t\t\ttype types:ipv6-prefix;\t\t\t\t\tconfigd:help \"Prefix to match\";\t\t\t\t}\t\t\t\tleaf le {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..128;\t\t\t\t\t}\t\t\t\t\tmust \"current() = 128 or current() > number(substring-after(../prefix, '/'))\" {\t\t\t\t\t\terror-message \"le must be greater than prefix-len\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Prefix length to match a netmask less than or equal to it\";\t\t\t\t}\t\t\t}\t\t}\t\tlist prefix-list {\t\t\tconfigd:priority \"470\";\t\t\tconfigd:help \"IP prefix-list filter\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern '[-a-zA-Z0-9.]+' {\t\t\t\t\t\terror-message \"prefix-list name must be alpha-numeric\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"IP prefix-list filter\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Description for this prefix-list\";\t\t\t}\t\t\tlist rule {\t\t\t\tconfigd:help \"Rule for this prefix-list\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/policy/route/prefix-list/rule/configd delete.sh\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/policy/route/prefix-list/rule/configd end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..65535;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Rule for this prefix-list\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description for this rule\";\t\t\t\t}\t\t\t\tleaf action {\t\t\t\t\tmandatory true;\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"permit\" {\t\t\t\t\t\t\tconfigd:help \"Permit matching prefixes\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"deny\" {\t\t\t\t\t\t\tconfigd:help \"Deny matching prefixes\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Action to take on prefixes matching this rule [REQUIRED]\";\t\t\t\t}\t\t\t\tleaf ge {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..32;\t\t\t\t\t}\t\t\t\t\tmust \"not(../le) or current() <= ../le\" {\t\t\t\t\t\terror-message \"ge must be lesser than or equal to le\";\t\t\t\t\t}\t\t\t\t\tmust \"current() > number(substring-after(../prefix, '/'))\" {\t\t\t\t\t\terror-message \"ge must be greater than prefix length\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Prefix length to match a netmask greater than or equal to it\";\t\t\t\t}\t\t\t\tleaf prefix {\t\t\t\t\tmandatory true;\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\tconfigd:help \"Prefix to match\";\t\t\t\t}\t\t\t\tleaf le {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..32;\t\t\t\t\t}\t\t\t\t\tmust \"current() = 32 or current() > number(substring-after(../prefix, '/'))\" {\t\t\t\t\t\terror-message \"le must be greater than prefix-len\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Prefix length to match a netmask less than or equal to it\";\t\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-service-connsync-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-connsync:1\" revision=\"2015-10-22\" format=\"yang\" length=\"1810\"module vyatta-service-connsync-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-connsync:1\";\tprefix vyatta-service-connsync-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-connsync-v1\";\trevision 2015-10-22 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /service:service {\t\tcontainer connsync {\t\t\tpresence \"connsync\";\t\t\tconfigd:help \"Connection tracking synchronization (conn-sync) service\";\t\t\tconfigd:priority \"995\";\t\t\tconfigd:validate \"/opt/vyatta/sbin/vyatta-connsync.pl --action=validate\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/connsync/configd_end.sh\";\t\t\tleaf interface {\t\t\t\ttype string;\t\t\t\tmandatory true;\t\t\t\tconfigd:help \"Interface to use for syncing flow entries [REQUIRED]\";\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all\";\t\t\t}\t\t\tleaf remote-peer {\t\t\t\ttype types:ipv4-address;\t\t\t\tmandatory true;\t\t\t\tconfigd:help \"Peer IP address [REQUIRED]\";\t\t\t}\t\t\tcontainer failover-mechanism {\t\t\t\tconfigd:help \"Failover mechanism to use for conntrack-sync [REQUIRED]\";\t\t\t\tcontainer vrrp {\t\t\t\t\tconfigd:help \"VRRP as failover-mechanism to use for conn-sync\";\t\t\t\t\tleaf sync-group {\t\t\t\t\t\ttype string;\t\t\t\t\t\tmandatory true;\t\t\t\t\t\tconfigd:help \"VRRP sync group [REQUIRED]\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-connsync.pl --action=vrrp-sync-grps\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-bgp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-bgp:1\" revision=\"2016-08-26\" format=\"yang\" length=\"76478\"module vyatta-protocols-bgp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-bgp:1\";\tprefix vyatta-protocols-bgp-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport vyatta-service-snmp-v1 {\t\tprefix service-snmp;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-route;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-bgp-v1\";\trevision 2016-08-26 {\t\tdescription\t\t\t\"Added an end statement for maximum-prefix list\";\t}\trevision 2016-07-20 {\t\tdescription\t\t\t\"Re-positioned Yang validation for global route-map export\"+\t\t\t\"Added validation for neighbor without remote-as and AFI\"+\t\t\t\"Removed few validations under 'ttl-security' and 'warning-only' nodes to ensure backwards compatibility\"+\t\t\t\"Removed validations for dampening parameters\"+\t\t\t\"Removed interface-validation Yang import\"+\t\t\t\"Adding few more validations to support peer-group configurations\"+\t\t\t\"Modified relative path to absolute path so that the paths are valid even in the imported Yang files\"+\t\t\t\"Adding more debug logs and grouping them as well\"+\t\t\t\"Config validations using relative path\";\t}\trevision 2015-09-23 {\tdescription \"Initial revision of version 1\";\t}\tgrouping route-map-group {\tleaf route-map {\t\tdescription \"Route-map for filtering\";\t\tconfigd:help \"Route-map for filtering\";\t\ttype leafref {\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t}\t}\t}\t/* This grouping contains relative path to nodes outside the group scope. It can only be used\t   at a specific config level matching the relative path.\t*/\tgrouping neighbor-route-map {\t\tcontainer route-map {\t\t\tdescription \"Route-map to filter route updates to/from this entity (neighbor or peer-

group)\";\t\t\tconfigd:help \"Route-map to filter route updates to/from this entity (neighbor or peer-group)\";\t\t\tleaf export {\t\t\t\tdescription \"Route-map to filter outgoing route updates to this peer-group\";\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t\t}\t\t\t\tconfigd:help \"Route-map to filter outgoing route updates to this peer-group\";\t\t\t}\t\t\tleaf import {\t\t\t\tdescription \"Route-map to filter incoming route updates from this entity (neighbor or peer-group)\";\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t\t}\t\t\t\tconfigd:help \"Route-map to filter incoming route updates from this entity (neighbor or peer-group)\";\t\t\t}\t\t}\t}\tgrouping neighbor-vrrp-failover {\t\tlist interface {\t\t\tdescription \"This list is added to link the BGP VRRP group with interface VRRP group\";\t\t\tmax-elements \"1\";\t\t\tconfigd:help \"VRRP Interface\";\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all\";\t\t\tkey \"ifname\";\t\t\tleaf ifname {\t\t\t\tdescription \"VRRP Interface Name\";\t\t\t\tconfigd:help \"VRRP Interface Name\";\t\t\t\ttype types:interface-ifname;\t\t\t}\t\t\tcontainer vrrp-failover {\t\t\t\tdescription \"Configure VRRP Failover Action\";\t\t\t\tpresence \"VRRP Failover Action\";\t\t\t\tconfigd:help \"VRRP Failover\";\t\t\t\tlist vrrp-group {\t\t\t\t\tdescription \"VRRP Group to associate the neighbor with\";\t\t\t\t\tmax-elements \"1\";\t\t\t\t\tconfigd:help \"VRRP Group to associate the neighbor with\";\t\t\t\t\tconfigd:create \"${vyatta_sbindir}/vyatta-async-notify-bgp.pl $VAR(@) $VAR(../../@)\";\t\t\t\t\tkey \"groupid\";\t\t\t\t\tleaf groupid {\t\t\t\t\t\tdescription \"VRRP Group ID\";\t\t\t\t\t\ttype uint8 {\t\t\t\t\t\t\trange 1..max;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"VRRP Group ID\";\t\t\t\t\t}\t\t\t\t\tleaf prepend-as {\t\t\t\t\t\tdescription \"Prepend AS Path for outbound routes while VRRP is backup\";\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[0-9]+([0-9]+)*' {\t\t\t\t\t\t\t\terror-message \"as-path should be string of numbers\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/protocols/bgp/peer-group/vrrp-failover/prepend-as/configd_syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"not(../med) and not(../route-map)\" {\t\t\t\t\t\t\terror-message \"You may set MED/prepend-as/route-map or none of them\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Prepend AS Path\";\t\t\t\t\t}\t\t\t\t\tleaf med {\t\t\t\t\t\tdescription \"Set MED value for outbound routes while VRRP is backup\";\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..4294967294;\t\t\t\t\t\t}\t\t\t\t\t\tmust \"not(../prepend-as) and not(../route-map)\" {\t\t\t\t\t\t\terror-message \"You may set MED/prepend-as/route-map or none of them\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Set MED value for outbound routes while VRRP is backup\";\t\t\t\t\t}\t\t\t\t\tuses route-map-group {\t\t\t\t\t\trefine route-map {\t\t\t\t\t\t\tdescription \"Route-map to modify route attributes while VRRP is backup\";\t\t\t\t\t\t\tconfigd:help \"Route-map to modify route attributes\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\t/* This grouping contains relative path to nodes outside the group scope. It can only be used\t   at a specific config level matching the relative path.\t*/\tgrouping neighbor-med-out {\t\tcontainer med-out {\t\t\tdescription \"Allow MED to be sent out\";\t\t\tconfigd:help \"Allow MED to be sent out\";\t\t\tmust \"not(../address-family/*/peer-group)\" {\t\t\t\terror-message \"You may not configure med-out for a neighbor in peer-group\\n\";\t\t\t}\t\t\tcontainer igp {\t\t\t\tdescription \"Send MED based on IGP metric\";\t\t\t\tpresence \"Enables med-out IGP\";\t\t\t\tconfigd:help \"Send MED based on IGP metric\";   \t/* This and minimum-igp are mutually exclusive */\t\t\tleaf delay-updates {\t\t\t\tdescription \"Delay updates of MED\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Delay updates of MED\";\t\t\t}\t\t}\t\t\tleaf minimum-igp {\t\t\t\tdescription \"Send MED based on minimal IGP metric\";\t\t\t\ttype empty;\t\t\t\tmust \"not(../igp)\" {\t\t\t\t\terror-message \"You can't set both 'med-out igp' and 'med-out minimum-igp'\";\t\t\t\t}\t\t\t\tconfigd:help \"Send MED based on minimal IGP metric\";\t\t\t}\t\t}\t}\t/* This grouping contains relative path to nodes outside the group scope. It can only be used\t   at a specific config level matching the relative path.\t*/\tgrouping neighbor-cluster-id {\t\tleaf cluster-id {\t\t\tdescription \"Neighbor Cluster-id\";\t\t\tconfigd:help \"Neighbor Cluster-id\";\t\t\ttype union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype uint32 {\t\t\t\t\trange 1..max;\t\t\t\t\tconfigd:help \"Neighbor Cluster-id as 32-bit number\";\t\t\t}\t\t}\t\t\tmust \"(not(starts-with(current(), '127.')))\" {\t\t\t\terror-message \"Invalid cluster-id (cannot configure a loopback address)\";\t\t\t}\t\t\tmust \"(current() != '0.0.0.0')\" {\t\t\t\terror-message \"Invalid cluster-id (value cannot be 0.0.0.0)\";\t\t\t}\t\t\tmust \"not(../remote-as) or (../remote-as) = (../../tagnode)\" {\t\t\t\terror-message \"Can not set both cluster-id and an eBGP remote-as\";\t\t\t}\t\t\tmust \"not(../address-family/*/peer-group)\" {\t\t\t\terror-message \"You may not configure cluster-id for a neighbor in peer-group\\n\";\t\t\t}\t\t}\t}\tgrouping ipv4-aggregate-address {\t\tlist aggregate-address {\t\t\tdescription \"BGP aggregate network\";\t\t\tconfigd:help \"BGP aggregate network\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\tdescription \"BGP aggregate network\";\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t}\t\t\t\tconfigd:help \"BGP aggregate network\";\t\t\t}\t\t\tleaf as-set {\t\t\t\tdescription \"Generate AS-set path information for this aggregate address\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Generate AS-set path information for this aggregate address\";\t\t\t}\t\t\tleaf summary-only {\t\t\t\tdescription \"Announce the aggregate summary network only\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Announce the aggregate summary network only\";\t\t\t}\t\t}\t}\tgrouping ipv6-aggregate-address {\t\tlist aggregate-address {\t\t\tdescription \"BGP aggregate network\";\t\t\tconfigd:help \"BGP aggregate network\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\tdescription \"IPv6 address\";\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv6-prefix\";\t\t\t\t}\t\t\t\tconfigd:help \"BGP IPv6 aggregate network\";\t\t\t}\t\t\tleaf as-set {\t\t\t\tdescription \"Generate AS-set path information for this aggregate address\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Generate AS-set path information for this aggregate address\";\t\t\t}\t\t\tleaf summary-only {\t\t\t\tdescription \"Announce the aggregate summary network only\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Announce the aggregate summary network only\";\t\t\t}\t\t}\t}\tgrouping parameters-distance {\t\tcontainer distance {\t\t\tdescription \"Administrative distance for BGP routes\";\t\t\tpresence \"Enables administrative distance for BGP routes\";\t\t\tconfigd:help \"Administrative distance for BGP routes\";\t\t\tcontainer global {\t\t\t\tdescription \"Global administrative distances for BGP routes\";\t\t\t\tpresence \"Enables global administrative distance for BGP\";\t\t\t\tconfigd:help \"Global administrative distances for BGP routes\";\t\t\t\tleaf local {\t\t\t\t\tdescription \"Administrative distance for local BGP routes\";\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..255;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Administrative distance for local BGP routes\";\t\t\t\t\tdefault \"200\";\t\t\t\t}\t\t\t\tleaf internal {\t\t\t\t\tdescription \"Administrative distance for internal BGP routes\";\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..255;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Administrative distance for internal BGP routes\";\t\t\t\t\tdefault \"200\";\t\t\t\t}\t\t\t\tleaf external {\t\t\t\t\tdescription \"Administrative distance for external BGP routes\";\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..255;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Administrative distance for external BGP routes\";\t\t\t\t\tdefault \"20\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping parameters-dampening {\t\tcontainer

dampening {\t\t\tdescription \"Enable route-flap dampening\";\t\t\tpresence \"Enables route-flap dampening\";\t\t\tconfigd:help \"Enable route-flap dampening\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/bgp/address-family/parameters/dampening/configd_validate.sh\";\t\t\tleaf re-use {\t\t\t\tdescription \"Penalty value to start reusing a route [REQUIRED]\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..20000;\t\t\t\t}\t\t\t\tdefault \"750\";\t\t\t\tconfigd:help \"Penalty value to start reusing a route [REQUIRED]\";\t\t\t}\t\t\tleaf half-life {\t\t\t\tdescription \"Half-life time for dampening [REQUIRED]\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..45;\t\t\t\t}\t\t\t\tdefault \"15\";\t\t\t\tunits minutes;\t\t\t\tconfigd:help \"Half-life time for dampening [REQUIRED]\";\t\t\t}\t\t\tleaf start-suppress {\t\t\t\tdescription \"Penalty value to start suppressing a route [REQUIRED]\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..20000;\t\t\t\t}\t\t\t\tdefault \"2000\";\t\t\t\tconfigd:help \"Penalty value to start suppressing a route [REQUIRED]\";\t\t\t}\t\t\tleaf max-suppress-time {\t\t\t\tdescription \"Maximum duration to suppress a stable route [REQUIRED]\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..255;\t\t\t\t}\t\t\t\tdefault \"60\";\t\t\t\tunits minutes;\t\t\t\tconfigd:help \"Maximum duration to suppress a stable route [REQUIRED]\";\t\t\t}\t\t\tleaf un-reachability-half-life {\t\t\t\tdescription \"Un-reachability half-life time for the penalty in minutes\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..45;\t\t\t\t}\t\t\t\tunits minutes;\t\t\t\tconfigd:help \"Un-reachability half-life time for the penalty in minutes\";\t\t\t}\t\t}\t}\tgrouping network-ipv4 {\t\tlist network {\t\t\tdescription \"BGP network\";\t\t\tconfigd:help \"BGP network\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\tdescription \"BGP network\";\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t}\t\t\t\tconfigd:help \"BGP network\";\t\t\t}\t\t\tleaf backdoor {\t\t\t\tdescription \"Network as a backdoor route\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Network as a backdoor route\";\t\t\t}\t\t\tuses route-map-group {\t\t\t\trefine route-map {\t\t\t\t\tmust \"not(../backdoor)\" {\t\t\t\t\t\terror-message \"You may configure route-map or backdoor, not both\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Route-map to modify route attributes\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping redistribute-ipv4 {\t\tcontainer redistribute {\t\t\tdescription \"Redistribute routes from other protocols into BGP\";\t\t\tpresence \"Enables IPv4 redistribution\";\t\t\tconfigd:help \"Redistribute routes from other protocols into BGP\";\t\t\tcontainer kernel {\t\t\t\tdescription \"Redistribute kernel routes into BGP\";\t\t\t\tpresence \"Enables redistribution of kernel routes into BGP\";\t\t\t\tconfigd:help \"Redistribute kernel routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer rip {\t\t\t\tdescription \"Redistribute RIP routes into BGP\";\t\t\t\tpresence \"Enables redistribution of RIP routes into BGP\";\t\t\t\tconfigd:help \"Redistribute RIP routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer connected {\t\t\t\tdescription \"Redistribute connected routes into BGP\";\t\t\t\tpresence \"Enables redistribution of connected routes into BGP\";\t\t\t\tconfigd:help \"Redistribute connected routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer static {\t\t\t\tdescription \"Redistribute static routes into BGP\";\t\t\t\tpresence \"Enables redistribution of static routes into BGP\";\t\t\t\tconfigd:help \"Redistribute static routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer ospf {\t\t\t\tdescription \"Redistribute OSPF routes into BGP\";\t\t\t\tpresence \"Enables redistribution of OSPF routes into BGP\";\t\t\t\tconfigd:help \"Redistribute OSPF routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping network-ipv6 {\t\tlist network {\t\t\tdescription \"BGP IPv6 network\";\t\t\tconfigd:help \"BGP IPv6 network\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\tdescription \"BGP IPv6 network\";\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv6-prefix\";\t\t\t\t}\t\t\t\tconfigd:help \"BGP IPv6 network\";\t\t\t}\t\t\tleaf backdoor {\t\t\t\tdescription \"Network as a backdoor route\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Network as a backdoor route\";\t\t\t}\t\t\tuses route-map-group {\t\t\t\trefine route-map {\t\t\t\t\tmust \"not(../backdoor)\" {\t\t\t\t\t\terror-message \"You may configure route-map or backdoor, not both!\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Route-map to modify route attributes\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping redistribute-ipv6 {\t\tcontainer redistribute {\t\t\tdescription \"Redistribute routes from other protocols into BGP\";\t\t\tpresence \"Enables IPv6 Redistribution\";\t\t\tconfigd:help \"Redistribute routes from other protocols into BGP\";\t\t\tcontainer kernel {\t\t\t\tdescription \"Redistribute kernel routes into BGP\";\t\t\t\tpresence \"Enables redistribution of kernel routes into BGP\";\t\t\t\tconfigd:help \"Redistribute kernel routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer ripng {\t\t\t\tdescription \"Redistribute RIP routes into BGP\";\t\t\t\tpresence \"Enables redistribution of RIP routes into BGP\";\t\t\t\tconfigd:help \"Redistribute RIP routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer connected {\t\t\t\tdescription \"Redistribute connected routes into BGP\";\t\t\t\tpresence \"Enables redistribution of connected routes into BGP\";\t\t\t\tconfigd:help \"Redistribute connected routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer static {\t\t\t\tdescription \"Redistribute static routes into BGP\";\t\t\t\tpresence \"Enables redistribution of static routes into BGP\";\t\t\t\tconfigd:help \"Redistribute static routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer ospfv3 {\t\t\t\tdescription \"Redistribute OSPF routes into BGP\";\t\t\t\tpresence \"Enables redistribution of OSPF routes into BGP\";\t\t\t\tconfigd:help \"Redistribute OSPF routes into BGP\";\t\t\t\tuses route-map-group {\t\t\t\t\trefine route-map {\t\t\t\t\t\tconfigd:help \"Route map to filter redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\t/* This grouping contains relative path to nodes outside the group scope. It can only be used\t   at a specific config level matching the relative path.\t*/\tgrouping neigh_peer_grp_ipv4_lists {\t\tcontainer prefix-list {\t\t\tdescription \"Prefix-list to filter route updates to/from this entity (neighbor or peer-group)\";\t\t\tconfigd:help \"Prefix-list to filter route updates to/from this entity (neighbor or peer-group)\";   \t\t/* This and distribute-list are mutually exclusive */\t\t\tleaf export {\t\t\t\tdescription \"Prefix-list to filter outgoing route updates to this peer-group\";\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:prefix-list/policy-route:tagnode\";\t\t\t\t}\t\t\t\tconfigd:help \"Prefix-list to filter outgoing route updates to this peer-group\";\t\t\t\tmust \"not(../../peer-group)\" {\t\t\t\t\terror-message \"You may not configure prefix-list export for a neighbor in peer-group\n\";\t\t\t\t}\t\t\t}\t\t\tleaf import {\t\t\t\tdescription \"Prefix-list to filter incoming route updates from this peer-group\";\t\t\t\ttype leafref {\t\t\t\t\tpath

\"/policy:policy/policy-route:route/policy-route:prefix-list/policy-route:tagnode\";\t\t\t\t}\t\t\t\t\tconfigd:help \"Prefix-list to filter incoming route updates from this peer-group\";\t\t\t}\t\t}\t\tcontainer distribute-list {\t\t\tdescription \"Access-list to filter route updates to/from this entity (peer-group or neighbor)\";\t\t\tconfigd:help \"Access-list to filter route updates to/from this entity (peer-group or neighbor)\";\t\t\tmust \"not(../prefix-list)\" {\t\t\t\terror-message \"You may not configure both prefix-list and distribute-list\";\t\t\t}\t\t\tmust \"not(../peer-group)\" {\t\t\t\terror-message \"You may not configure distribute-list for a neighbor in peer-group\\n\";\t\t\t}\t\t\tleaf export {\t\t\t\tdescription \"Access-list to filter outgoing route updates to this entity (peer-group or neighbor)\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"Access-list to filter outgoing route updates to this entity (peer-group or neighbor)\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/bgp/configd_allowed.sh distribute-list ipv4-unicast\";\t\t\t}\t\t\tleaf import {\t\t\t\tdescription \"Access-list to filter incoming route updates from this entity (peer-group or neighbor)\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"Access-list to filter incoming route updates from this entity (peer-group or neighbor)\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/bgp/configd allowed.sh distribute-list ipv4-unicast\";\t\t\t}\t\t}\t/* This grouping contains relative path to nodes outside the group scope. It can only be used\t   at a specific config level matching the relative path.\t*/\tgrouping neigh_peer_grp_ipv6_lists {\t\tcontainer prefix-list {\t\t\tdescription \"Prefix-list to filter route updates to/from this entity (neighbor or peer-group)\";\t\t\tpresence \"Enables IPv6 prefix-list\";\t\t\tconfigd:help \"Prefix-list to filter route updates to/from this entity (neighbor or peer-group)\";\t\t\t/* This and distribute-list are mutually exclusive */\t\t\tleaf export {\t\t\t\tdescription \"Prefix-list to filter outgoing route updates to this peer-group\";\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:prefix-list6/policy-route:tagnode\";\t\t\t\t}\t\t\t\tconfigd:help \"Prefix-list to filter outgoing route updates to this peer-group\";\t\t\t\tmust \"not(../../peer-group)\" {\t\t\t\t\terror-message \"You may not configure prefix-list export for a neighbor in peer-group\\n\";\t\t\t\t}\t\t\t}\t\t\tleaf import {\t\t\t\tdescription \"Prefix-list to filter incoming route updates from this peer-group\";\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:prefix-list6/policy-route:tagnode\";\t\t\t\t}\t\t\t\tconfigd:help \"Prefix-list to filter incoming route updates from this peer-group\";\t\t\t}\t\t}\t\tcontainer distribute-list {\t\t\tdescription \"Access-list to filter route updates to/from this entity (peer-group or neighbor)\";\t\t\tpresence \"Enables IPv6 access-list\";\t\t\tconfigd:help \"Access-list to filter route updates to/from this entity (peer-group or neighbor)\";\t\t\tmust \"not(../prefix-list)\" {\t\t\t\terror-message \"You may not configure both prefix-list and distribute-list\";\t\t\t}\t\t\tmust \"not(../peer-group)\" {\t\t\t\terror-message \"You may not configure distribute-list for a neighbor in peer-group\\n\";\t\t\t}\t\t\tleaf export {\t\t\t\tdescription \"Access-list to filter outgoing route updates to this entity (peer-group or neighbor)\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"Access-list to filter outgoing route updates to this entity (peer-group or neighbor)\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/bgp/configd allowed.sh distribute-list ipv6-unicast\";\t\t\t}\t\t\tleaf import {\t\t\t\tdescription \"Access-list to filter incoming route updates from this entity (peer-group or neighbor)\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"Access-list to filter incoming route updates from this entity (peer-group or neighbor)\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/bgp/configd allowed.sh distribute-list ipv6-unicast\";\t\t\t}\t\t}\t/* BGP Global parameters\tbgp <as-num> parameters\t   - extended-asn-capability\t   - no-rtm\t   - cluster-id <text>\t   - always-compare-med\t   - default local-pref <0-4294967295>\t   - confederation (identifier <1-65535> | peer <1-65535>)\t   - graceful-restart [graceful-reset | restart-time <1-3600> | stalepath-time <1-3600>]\t   - bestpath (as-path (confed | ignore) | compare-routerid |\t   med (confed | missing-as-worst))\t   - log-neighbor-changes\t   - no-fast-external-failover\t   - enforce-first-as\t   - scan-time <5-60>\t   - no-client-to-client-reflection\t   - deterministic-med\t   - maximum-paths (ebgp|ibgp) <2-64>\t   - router-id <x.x.x.x>\t*/\tgrouping bgp-params-global-ext-asn-cap {\t\tleaf extended-asn-capability {\t\t\tdescription \"Enable Extended ASN Capability (4 octet ASN)\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable Extended ASN Capability (4 octet ASN)\";\t\t}\t}\tgrouping bgp-params-global-no-rtm {\t\tleaf no-rtm {\t\t\tdescription \"Prevent the installation of BGP learned routes into rtm\";\t\t\ttype empty;\t\t\tconfigd:help \"Prevent the installation of BGP learned routes into rtm\";\t\t}\t}\tgrouping bgp-params-global-cluster-id {\t\tleaf cluster-id {\t\t\tdescription \"Route-reflector cluster-id\";\t\t\ttype types:ipv4-address;\t\t\tmust \"(not(starts-with(current(), '127.')))\" {\t\t\t\terror-message \"Invalid cluster-id (cannot configure a loopback address)\";\t\t\t}\t\t\tmust \"(current() != '0.0.0.0')\" {\t\t\t\terror-message \"Invalid cluster-id (value cannot be 0.0.0.0)\";\t\t\t}\t\t\tconfigd:help \"Route-reflector cluster-id\";\t\t}\t}\tgrouping bgp-params-global-always-compare-med {\t\tleaf always-compare-med {\t\t\tdescription \"Always compare MEDs from different neighbors\";\t\t\ttype empty;\t\t\tconfigd:help \"Always compare MEDs from different neighbors\";\t\t}\t}\tgrouping bgp-params-global-default {\t\tcontainer default {\t\t\tdescription \"BGP defaults\";\t\t\tpresence \"Enables BGP defaults\";\t\t\tconfigd:help \"BGP defaults\";\t\t\tleaf local-pref {\t\t\t\tdescription \"Default local preference (higher=more preferred)\";\t\t\t\ttype uint32;\t\t\t\tconfigd:help \"Default local preference (higher=more preferred)\";\t\t\t}\t\t}\t}\tgrouping bgp-params-global-confederation-identifier {\t\tleaf identifier {\t\t\tdescription \"Confederation AS identifier\";\t\t\ttype uint32 {\t\t\t\trange 1..max;\t\t\t}\t\t\tconfigd:help \"Confederation AS identifier\";\t\t\tmust \"((current() <= 65535) or \" +\t\t\t\"(/protocols:protocols/vyatta-protocols-bgp-v1:bgp/vyatta-protocols-bgp-v1:parameters/vyatta-protocols-bgp-v1:extended-asn-capability))\" {\t\t\t\terror-message \"Extended ASN Capability must be enabled for configuring ASN greater than 65535\";\t\t\t}\t\t}\t}\tgrouping bgp-params-global-confederation-peers {\t\tleaf-list peers {\t\t\tdescription \"Peer ASes in the BGP confederation\";\t\t\ttype uint32 {\t\t\t\trange 1..max;\t\t\t}\t\t\tordered-by \"user\";\t\t\tconfigd:help \"Peer ASes in the BGP confederation\";\t\t\tmust \"((current() <= 65535) or \" +\t\t\t\"(/protocols:protocols/vyatta-protocols-bgp-v1:bgp/vyatta-protocols-bgp-v1:parameters/vyatta-protocols-bgp-v1:extended-asn-capability))\" {\t\t\t\terror-message \"Extended ASN Capability must be enabled for configuring ASN greater than 65535\";\t\t\t}\t\t\tmust \"(/protocols:protocols/vyatta-protocols-bgp-v1:bgp/vyatta-protocols-bgp-v1:parameters/\" +\t\t\t\"vyatta-protocols-bgp-v1:confederation/vyatta-protocols-bgp-v1:identifier)\" {\t\t\t\terror-message \"You must set the confederation identifier\";\t\t\t}\t\t\tmust \"(current() != ../../../tagnode)\" {\t\t\t\terror-message \"Cannot set confederation peer ASN to local ASN\";\t\t\t}\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/bgp/parameters/confederation/peers/configd_update.cli\";\t\t}\t}\t/* This grouping contains relative path to nodes outside the group scope. It can only be used\t   at a specific config level matching the relative path.\t*/\tgrouping bgp-params-global-confederation {\t\tcontainer confederation Yon {\t\t\tdescription \"AS confederation parameters\";\t\t\tpresence \"BGP Confederation config\";\t\t\tconfigd:help \"AS confederation parameters\";\t\t\tuses bgp-params-global-

confederation-identifier;\t\t\tuses bgp-params-global-confederation-peers;\t\t} /*confederation*/\t}\tgrouping bgp-params-global-graceful-restart {\t\tcontainer graceful-restart {\t\t\tdescription \"Graceful restart capability parameters\";\t\t\tpresence \"Enables BGP Graceful-restart\";\t\t\tconfigd:help \"Graceful restart capability parameters\";\t\t\tleaf graceful-reset {\t\t\t\tdescription \"Enable graceful reset capability\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable graceful reset capability\";\t\t\t}\t\t\tleaf restart-time {\t\t\t\tdescription \"Max time needed for Neighbor(s) to restart\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..3600;\t\t\t\t}\t\t\t\tdefault \"90\";\t\t\t\tconfigd:help \"Max time needed for Neighbor(s) to restart\";\t\t\t}\t\t\tleaf stalepath-time {\t\t\t\tdescription \"Maximum time to hold onto restarting peer's stale paths\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..3600;\t\t\t\t}\t\t\t\tdefault \"360\";\t\t\t\tconfigd:help \"Maximum time to hold onto restarting peer's stale paths\";\t\t\t}\t\t} /*graceful-restart*/\t}\tgrouping bgp-params-global-bestpath {\t\tcontainer bestpath {\t\t\tdescription \"Default bestpath selection mechanism\";\t\t\tpresence \"Enables bestpath selection mechanism\";\t\t\tconfigd:help \"Default bestpath selection mechanism\";\t\t\tcontainer med {\t\t\t\tdescription \"MED attribute comparison parameters\";\t\t\t\tpresence \"Enables MED attribute comparison\";\t\t\t\tconfigd:help \"MED attribute comparison parameters\";\t\t\t\tcontainer confed {\t\t\t\t\tdescription \"Compare MEDs among confederation paths\";\t\t\t\t\tpresence \"Compare MEDs among confederation paths\";\t\t\t\t\tconfigd:help \"Compare MEDs among confederation paths\";\t\t\t\t\tleaf missing-as-worst {\t\t\t\t\t\tdescription \"Treat missing route as a MED as the least preferred one\";\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Treat missing route as a MED as the least preferred one\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf missing-as-worst {\t\t\t\t\tdescription \"Treat missing route as a MED as the least preferred one\";\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Treat missing route as a MED as the least preferred one\";\t\t\t\t}\t\t\t}\t\t\tcontainer as-path {\t\t\t\tdescription \"AS-path attribute comparison parameters\";\t\t\t\tpresence \"Enables AS-path attribute comparison\";\t\t\t\tconfigd:help \"AS-path attribute comparison parameters\";\t\t\t\tleaf ignore {\t\t\t\t\tdescription \"Ignore AS-path length in selecting a route\";\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Ignore AS-path length in selecting a route\";\t\t\t\t}\t\t\t\tleaf confed {\t\t\t\t\tdescription \"Compare AS-path lengths including confederation sets & sequences\";\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Compare AS-path lengths including confederation sets & sequences\";\t\t\t\t}\t\t\t}\t\t\tleaf compare-routerid {\t\t\t\tdescription \"Compare the router-id for identical eBGP paths\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Compare the router-id for identical eBGP paths\";\t\t\t}\t\t\tleaf igp-metric-ignore {\t\t\t\tdescription \"Ignore IGP metric in BGP paths comparison\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Ignore IGP metric in BGP paths comparison\";\t\t\t}\t\t} /*bestpath*/\t}\tgrouping bgp-params-global-log-neighbor-changes {\t\tleaf log-neighbor-changes {\t\t\tdescription \"Log neighbor up/down changes and reset reason\";\t\t\ttype empty;\t\t\tconfigd:help \"Log neighbor up/down changes and reset reason\";\t\t}\t}\tgrouping bgp-params-global-no-fast-external-failover {\t\tleaf no-fast-external-failover {\t\t\tdescription \"Disable immediate session reset if peer's connected link goes down\";\t\t\ttype empty;\t\t\tconfigd:help \"Disable immediate session reset if peer's connected link goes down\";\t\t}\t}\tgrouping bgp-params-global-enforce-first-as {\t\tleaf enforce-first-as {\t\t\tdescription \"Require first AS in the path to match peer's AS\";\t\t\ttype empty;\t\t\tconfigd:help \"Require first AS in the path to match peer's AS\";\t\t}\t}\tgrouping bgp-params-global-scan-time {\t\tleaf scan-time {\t\t\tdescription \"BGP route scanner interval\";\t\t\ttype uint32 {\t\t\t\trange 5..60;\t\t\t}\t\t\tconfigd:help \"BGP route scanner interval\";\t\t}\t}\tgrouping bgp-params-global-maximum-as-limit {\t\tleaf maximum-as-limit {\t\t\tdescription \"maximum-as-limit specifies maximum length of AS numbers in ASPATH or AS4PATH attribute\";\t\t\ttype uint8 {\t\t\t\trange 1..254;\t\t\t}\t\t\tconfigd:help \"BGP maximum-as-limit for update message\";\t\t\tdefault \"254\";\t\t}\t}\tgrouping bgp-params-global-med-out-delay {\t\tleaf med-out-delay {\t\t\tdescription \"Max time to defer MED updates\";\t\t\ttype uint32 {\t\t\t\trange 10..600;\t\t\t}\t\t\tconfigd:help \"Max time to defer MED updates\";\t\t}\t}\tgrouping bgp-params-global-no-client-to-client-reflection {\t\tcontainer no-client-to-client-reflection {\t\t\tdescription \"Disable client to client route reflection\";\t\t\tconfigd:help \"Disable client to client route reflection\";\t\t\tleaf all {\t\t\t\tdescription \"Disable all client to client route reflection\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable all client to client route reflection\";\t\t\t}\t\t\tleaf-list cluster-id {\t\t\t\tdescription \"Configure intra-cluster reflection\";\t\t\t\tconfigd:help \"Configure intra-cluster reflection\";\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"any\";\t\t\t\t\t\tconfigd:help \"Configure intra-cluster reflection for any cluster id\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tmust \"(not(starts-with(current(), '127.')))\" {\t\t\t\t\terror-message \"Invalid cluster-id (cannot configure a loopback address) \";\t\t\t\t}\t\t\t\tmust \"(current() != '0.0.0.0')\" {\t\t\t\t\terror-message \"Invalid cluster-id (value cannot be 0.0.0.0)\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping bgp-params-global-deterministic-med {\t\tleaf deterministic-med {\t\t\tdescription \"Compare MEDs between different peers in the same AS\";\t\t\ttype empty;\t\t\tconfigd:help \"Compare MEDs between different peers in the same AS\";\t\t}\t}\tgrouping bgp-params-global-maximum-paths {\t\tcontainer maximum-paths {\t\t\tdescription \"BGP multipaths\";\t\t\tconfigd:help \"BGP multipaths\";\t\t\tleaf ibgp {\t\t\t\tdescription \"Maximum iBGP multipaths\";\t\t\t\ttype uint32 {\t\t\t\t\trange 2..64;\t\t\t\t}\t\t\t\tconfigd:help \"Maximum iBGP multipaths\";\t\t\t}\t\t\tleaf ebgp {\t\t\t\tdescription \"Maximum eBGP multipaths\";\t\t\t\ttype uint32 {\t\t\t\t\trange 2..64;\t\t\t\t}\t\t\t\tconfigd:help \"Maximum eBGP multipaths\";\t\t\t}\t\t}\t}\tgrouping bgp-params-global-router-id {\t\tleaf router-id {\t\t\tdescription \"BGP router id\";\t\t\ttype types:ipv4-address;\t\t\tmust \"(not((substring-before(., '.') >= 224) and \" +\t\t\t\t\"(substring-before(string(current()), '.') <= 239)))\" {\t\t\t\terror-message \"Invalid router-id (cannot be a multicast address)\";\t\t\t}\t\t\tmust \"(not((substring-before(., '.') >= 240) and \" +\t\t\t\t\"(substring-before(string(current()), '.') <= 255)))\" {\t\t\t\terror-message \"Invalid router-id\";\t\t\t}\t\t\tmust \"(not(starts-with(current(), '127.')))\" {\t\t\t\terror-message \"Invalid router-id (cannot configure a loopback address) \";\t\t\t}\t\t\tmust \"(current() != '0.0.0.0')\" {\t\t\t\terror-message \"Invalid router-id (value cannot be 0.0.0.0)\";\t\t\t}\t\t\tconfigd:help \"BGP router id\";\t\t}\t}\tgrouping bgp-params-timers {\t\tcontainer timers {\t\t\tdescription \"BGP protocol timers\";\t\t\tpresence \"Enables BGP protocol timers\";\t\t\tconfigd:help \"BGP protocol timers\";\t\t\tmust \"((holdtime = 0) or ((holdtime != 0) and (holdtime > keepalive)))\" {\t\t\t\terror-message \"Hold time can be 0; or should be greater than keepalive time\";\t\t\t}\t\t\tleaf holdtime {\t\t\t\tdescription \"BGP holdtime interval\";\t\t\t\ttype uint32 {\t\t\t\t\trange \"0 | 3..65535\";\t\t\t\t}\t\t\t\tconfigd:help \"BGP holdtime interval\";\t\t\t\tdefault \"90\";\t\t\t}\t\t\tleaf keepalive {\t\t\t\tdescription \"Keepalive interval\";\t\t\t\ttype uint32 {\t\t\t\t\trange 0..65535;\t\t\t\t}\t\t\t\tdefault \"30\";\t\t\t\tconfigd:help \"Keepalive interval\";\t\t\t}\t\t}\t}\tgrouping bgp-nexthop-rmap {\t\tcontainer nexthop {\t\t\tdescription \"This container specifies route-map to be applied on nexthop.\";\t\t\tpresence \"Enables BGP nexthop\";\t\t\tconfigd:help \"BGP nexthop route-map filtering\";\t\t\tuses route-map-group {\t\t\t\trefine route-map {\t\t\t\t\tdescription \"This specifies route-map for bgp nexthop route

filtering\";\t\t\t\tconfigd:help \"Route-map to select bgp nexthop\";\t\t\t\t}\t\t\t}\t\t}\t}\t/*Peer-group and neighbor common settings (no families)\t - advertisement-interval <0-65535>\t - as-origination-interval <1-65535>\t - capability dynamic\t - capability route-refresh\t - disable-capability-negotiation\t - description <text>\t - ebgp-multihop [max-hop <1-255>]\t - enforce-multihop\t - local-as <1-4294967295>\t - passive\t - port <1-65535>\t - remote-as <1-4294967295>\t - shutdown\t - timers (holdtime <0|3-65535> keepalive <0-65535> | connect <1-65535>)\t - ttl-security <1-255>\t - update-source <text>\t - override-capability\t - password\t - strict-capability-match\t - vrrp-failover\t - cluster-id*/\t/* This grouping contains relative path to nodes outside the group scope. It can only be used\t   at a specific config level matching the relative path.\t*/\tgrouping peer-grp-neighbor-common-options {\t\tuses neighbor-vrrp-failover;\t\tuses neighbor-med-out;\t\tuses neighbor-cluster-id;\t\tleaf strict-capability-match {\t\t\tdescription \"Enable strict capability negotiation\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable strict capability negotiation\";\t\t\tmust \"not(../override-capability)\" {\t\t\t\terror-message \"You may not configure both strict-capability-match and override-capability\";\t\t\t}\t\t}\t\t\tleaf password {\t\t\tdescription \"BGP MD5 password\";\t\t\ttype string {\t\t\t\tlength 1..80;\t\t\t}\t\t\tconfigd:secret \"true\";\t\t\tconfigd:help \"BGP MD5 password\";\t\t}\t\tleaf override-capability {\t\t\tdescription \"Ignore capability negotiation with specified neighbor\";   \t/* This and strict-capability-match are mutually exclusive */\t\t\ttype empty;\t\t\tconfigd:help \"Ignore capability negotiation with specified neighbor\";\t\t}\t\tlist local-as {\t\t\tmax-elements \"1\";\t\t\tdescription \"Local AS to allow customization of AS number\";\t\t\tconfigd:help \"Local AS to allow customization of AS number\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\ttrange 1..max;\t\t\t\t}\t\t\t\tmust \"((tagnode <= 65535) or \" + \"(/protocols:protocols/vyatta-protocols-bgp-v1:bgp/vyatta-protocols-bgp-v1:parameters/vyatta-protocols-bgp-v1:extended-asn-capability))\" {\t\t\t\t\terror-message \"Extended ASN Capability must be enabled for configuring ASN greater than 65535\";\t\t\t}\t\t\tmust \"not(../remote-as = ../../tagnode)\" {\t\t\t\terror-message \"You may not configure local-as for an iBGP neighbor/peer-group\";\t\t\t}\t\t\tmust \"not(tagnode = ../../tagnode)\" {\t\t\t\terror-message \"You may not configure local-as the same as the true local AS\";\t\t\t}\t\t}\t\tleaf as-origination-interval {\t\t\tdescription \"Minimum interval between AS origination routing updates\";\t\t\ttype uint32 {\t\t\t\ttrange 1..65535;\t\t\t}\t\t\tconfigd:help \"Minimum interval between AS origination routing updates\";\t\t}\t\tcontainer ttl-security {\t\t\tdescription \"Ttl security mechanism for this entity (neighbor or peer-group)\";\t\t\tpresence \"Enables TTL security\";\t\t\tconfigd:help \"Ttl security mechanism for this entity (neighbor or peer-group)\";\t\t\tleaf hops {\t\t\t\tdescription \"Number of the maximum number of hops to the BGP peer\";\t\t\t\ttype uint32 {\t\t\t\t\ttrange 1..254;\t\t\t\t}\t\t\t\tconfigd:help \"Number of the maximum number of hops to the BGP peer\";\t\t\t}\t\t\tmust \"not(../remote-as = ../../tagnode)\" {\t\t\t\terror-message \"You may not configure ttl-security for an iBGP neighbor/peer-group\";\t\t\t}\t\t}\t\tcontainer capability {\t\t\tdescription \"Advertise capabilities to this entity (neighbor or peer-group)\";\t\t\tpresence \"Enables BGP capabilities\";\t\t\tconfigd:help \"Advertise capabilities to this entity (neighbor or peer-group)\";\t\tleaf dynamic {\t\t\t\tdescription \"Advertise dynamic capability to this entity (neighbor or peer-group)\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Advertise dynamic capability to this entity (neighbor or peer-group)\";\t\t\t}\t\t\tleaf route-refresh {\t\t\t\tdescription \"Enable route-refresh capability advertisement for this entity (neighbor or peer-group)\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable route-refresh capability advertisement for this entity (neighbor or peer-group)\";\t\t\t}\t\t\tleaf disable-capability-negotiation {\t\t\t\tdescription \"Disable capability negotiation with this entity (neighbor or peer-group)\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable capability negotiation with this entity (neighbor or peer-group)\";\t\t}\t\t\tleaf enforce-multihop {\t\t\t\tdescription \"Enforce multihop for eBGP neighbors\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enforce multihop for eBGP neighbors\";\t\t\t\tmust \"not(../remote-as = ../../tagnode)\" {\t\t\t\terror-message \"You may not configure enforce-multihop for an iBGP neighbor/peer-group\";\t\t\t}\t\t}\t\tleaf description {\t\t\tdescription \"Description for this entity (neighbor or peer-group)\";\t\t\ttype string {\t\t\t\tlength 1..80;\t\t\t}\t\t\tconfigd:help \"Description for this entity (neighbor or peer-group)\";\t\t}\t\tleaf update-source {\t\t\tdescription \"Source address or interface of routing updates\";\t\t\ttype union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype types:ipv6-address;\t\t\t\ttype types:interface-ifname;\t\t\t}\t\t\tconfigd:help \"Source address or interface of routing updates\";\t\t}\t\tleaf advertisement-interval {\t\t\tdescription \"Minimum interval for sending routing updates\";\t\t\ttype uint32 {\t\t\t\ttrange 0..65535;\t\t\t}\t\t\tconfigd:help \"Minimum interval for sending routing updates\";\t\t}\t\tleaf passive {\t\t\tdescription \"Do not initiate a session with this entity (neighbor or peer-group)\";\t\t\ttype empty;\t\t\tconfigd:help \"Do not initiate a session with this entity (neighbor or peer-group)\";\t\t}\t\tleaf port {\t\t\tdescription \"Neighbor's/Peer-group's BGP port\";\t\t\ttype uint32 {\t\t\t\ttrange 1..65535;\t\t\t}\t\t\tconfigd:help \"Neighbor's/Peer-group's BGP port\";\t\t}\t\tleaf shutdown {\t\t\tdescription \"Administratively shut down neighbor\";\t\t\ttype empty;\t\t\tconfigd:help \"Administratively shut down neighbor\";\t\t}\t\tcontainer timers {\t\t\tdescription \"Neighbor/Peer-group timers\";\t\t\tpresence \"Enables BGP timers\";\t\t\tconfigd:help \"Neighbor/Peer-group timers\";\t\t\tmust \"((holdtime = 0) or ((holdtime != 0) and (holdtime > keepalive)))\" {\t\t\t\terror-message \"Hold time can be 0; or should be greater than keepalive time\";\t\t\t}\t\t\tleaf connect {\t\t\t\tdescription \"BGP connect timer for this entity (neighbor or peer-group)\";\t\t\t\ttype uint32 {\t\t\t\t\ttrange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"BGP connect timer for this entity (neighbor or peer-group)\";\t\t\t}\t\t\tleaf holdtime {\t\t\t\tdescription \"BGP hold timer for this entity (neighbor or peer-group)\";\t\t\t\ttype uint32 {\t\t\t\t\ttrange \"0 | 3..65535\";\t\t\t\t}\t\t\t\tdefault \"90\";\t\t\t\tconfigd:help \"BGP hold timer for this entity (neighbor or peer-group)\";\t\t\t}\t\t\tleaf keepalive {\t\t\t\tdescription \"BGP keepalive interval for this neighbor\";\t\t\t\ttype uint32 {\t\t\t\t\ttrange 0..65535;\t\t\t\t}\t\t\t\tdefault \"30\";\t\t\t\tconfigd:help \"BGP keepalive interval for this neighbor\";\t\t\t}\t\t}\t\tleaf ebgp-multihop {\t\t\tdescription \"Allow this eBGP neighbor to not be on a directly connected network\";\t\t\ttype uint32 {\t\t\t\ttrange 1..255;\t\t\t}\t\t\tconfigd:help \"Allow this eBGP neighbor to not be on a directly connected network\";\t\t\tmust \"not(../remote-as = ../../tagnode)\" {\t\t\t\terror-message \"You may not configure ebgp-multihop for an iBGP neighbor/peer-group\";\t\t\t}\t\t\tmust \"not(../ttl-security)\" {\t\t\t\terror-message \"You may not configure both ttl-security hops and ebgp-multihop\";\t\t\t}\t\t}\t\tleaf remote-as {\t\t\tdescription \"BGP AS number of neighbor or peer-group\";\t\t\ttype uint32 {\t\t\t\ttrange 1..max;\t\t\t}\t\t\tmust \"((current() <= 65535) or \" + \"(/protocols:protocols/vyatta-protocols-bgp-v1:bgp/vyatta-protocols-bgp-v1:parameters/vyatta-protocols-bgp-v1:extended-asn-capability))\" {\t\t\t\terror-message \"Extended ASN Capability must be enabled for configuring ASN greater than 65535\";\t\t\t}\t\t\tconfigd:help \"Entity (peer-group or neighbor) BGP AS number [REQUIRED]\";\t\t}\t}\t/*Peer-group & neighbor common parameters\tneighbor (<x.x.x.x>| <h:h:h:h:h:h:h:h>) | peer-group <text> [address-family (ipv4-unicast| ipv6-unicast)\t - allowas-in [number <1-10>]\t - attribute-unchanged [as-path][next-hop][med]\t - filter-list (import <text> | export <text>)\t - maximum-prefix <1-4294967295> [threshold | warning-only]\t - remove-private-

as\t   - route-reflector-client\t   - disable-send-community (extended | standard)\t   - weight <1-65535>\t - capability graceful-restart\t   - route-map (import <text> | export <text>)\t   - default-originate [route-map <text>]\t   - soft-reconfiguration inbound\t   - unsuppress-map\t   - capability orf prefix-list (both|receive|send))\t   - route-server-client\t   - nexthop-self*/\t/*   This grouping contains relative path to nodes outside the group scope.   It can only be used at a specific config level matching the relative path.   Also, there are few config nodes like 'route-reflector-client' which is   referring to bgp AS number as 'tagnode'. So if this group has to be used in a   bgp instance model, we have to make sure that the instance model uses 'tagnode'   as the name for AS number. Please see comment in bgp routing-instance specific   Yang file in this regard.\t*/\tgrouping peer-grp-neighbor-afi-common-settings {\t\tuses neighbor-route-map;\t\tcontainer filter-list {\t\t\tdescription \"As-path-list to filter route updates to/from this entity (peer-group or neighbor)\";\t\t\tpresence \"Enables applying as-path-list to filter route updates\";\t\t\tconfigd:help \"As-path-list to filter route updates to/from this entity (peer-group or neighbor)\";\t\t\tleaf export {\t\t\tdescription \"As-path-list to filter outgoing route updates to this entity (peer-group or neighbor)\";\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:as-path-list/policy-route:tagnode\";\t\t\t}\t\t\tconfigd:help \"As-path-list to filter outgoing route updates to this entity (peer-group or neighbor)\";\t\t\t}\t\t\tleaf import {\t\t\tdescription \"As-path-list to filter incoming route updates from this entity (peer-group or neighbor)\";\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:as-path-list/policy-route:tagnode\";\t\t\t}\t\t\tconfigd:help \"As-path-list to filter incoming route updates from this entity (peer-group or neighbor)\";\t\t\t}\t\t}\t\tcontainer attribute-unchanged {\t\t\tdescription \"BGP attributes are sent unchanged\";\t\t\tconfigd:help \"BGP attributes are sent unchanged\";\t\t\tleaf next-hop {\t\t\tdescription \"Send nexthop unchanged\";\t\t\ttype empty;\t\t\tmust \"(../../../../ebgp-multihop)\" {\t\t\t\terror-message \"Nexthop unchanged can be configured only on multihop eBGP peers\";\t\t\t}\t\t\tconfigd:help \"Send nexthop unchanged\";\t\t\t}\t\t\tleaf med {\t\t\tdescription \"Send multi-exit discriminator unchanged\";\t\t\ttype empty;\t\t\tconfigd:help \"Send multi-exit discriminator unchanged\";\t\t\t}\t\t\tleaf as-path {\t\t\tdescription \"Send AS path unchanged\";\t\t\ttype empty;\t\t\tconfigd:help \"Send AS path unchanged\";\t\t\t}\t\t}\t\tleaf remove-private-as {\t\t\tdescription \"Remove private AS numbers from AS path in outbound route updates\";\t\t\ttype empty;\t\t\tconfigd:help \"Remove private AS numbers from AS path in outbound route updates\";\t\t\tmust \"not(../../../remote-as = ../../../../tagnode)\" {\t\t\t\terror-message \"You may not configure remove-private-as for an iBGP neighbor/peer-group\";\t\t\t}\t\t}\t\tleaf route-reflector-client {\t\t\tdescription \"Peer-group as a route reflector client\";\t\t\ttype empty;\t\t\tconfigd:help \"Peer-group as a route reflector client\";\t\t\tmust \"not(../../../remote-as) or (../../../remote-as) = (../../../../tagnode)\" {\t\t\t\terror-message \"You may not configure route-reflector-client for an eBGP neighbor/peer-group\";\t\t\t}\t\t}\t\tlist maximum-prefix {\t\t\tconfigd:priority \"711\";\t\t\tdescription \"Maximum number of prefixes to accept from this entity (neighbor or peer-group)\";\t\t\tmax-elements \"1\";\t\t\tconfigd:help \"Maximum number of prefixes to accept from this entity (neighbor or peer-group)\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/bgp/peer-grp-neigh/address-family/maximum-prefix/configd_end.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\tdescription \"Maximum number of prefixes to accept from this entity (neighbor or peer-group)\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..max;\t\t\t\t}\t\t\t\tconfigd:help \"Maximum number of prefixes to accept from this entity (neighbor or peer-group)\";\t\t\t}\t\t\tleaf warning-only {\t\t\t\tdescription \"Only give warning message when limit is exceeded\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Only give warning message when limit is exceeded\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/bgp/peer-grp-neigh/address-family/maximum-prefix/warning-only/configd_validate.cli\";\t\t\t}\t\t\tlist threshold {\t\t\t\tdescription \"Threshold value (percentage) at which to generate a warning msg\";\t\t\t\tmax-elements \"1\";\t\t\t\tconfigd:help \"Threshold value (percentage) at which to generate a warning msg\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\tdescription \"Threshold value (percentage) at which to generate a warning msg\";\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..100;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Threshold value (percentage) at which to generate a warning msg\";\t\t\t\t}\t\t\t\tleaf warning-only {\t\t\t\t\tdescription \"Only give warning message when limit is exceeded\";\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Only give warning message when limit is exceeded\";\t\t\t\t}\t\t\t}\t\t}\t\tcontainer allowas-in {\t\t\tdescription \"Accept a route that contains the local-AS in the as-path\";\t\t\tpresence \"Enables allowas-in feature\";\t\t\tconfigd:help \"Accept a route that contains the local-AS in the as-path\";\t\t\tleaf number {\t\t\t\tdescription \"Number of occurrences of AS number\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..10;\t\t\t\t}\t\t\t\tconfigd:help \"Number of occurrences of AS number\";\t\t\t}\t\t\tleaf weight {\t\t\t\tdescription \"Default weight for routes from this entity (neighbor or peer-group)\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"Default weight for routes from this entity (neighbor or peer-group)\";\t\t\t}\t\tcontainer disable-send-community {\t\t\tdescription \"Disable sending community attributes to this peer-group\";\t\t\tconfigd:help \"Disable sending community attributes to this peer-group\";\t\t\tleaf extended {\t\t\t\tdescription \"Disable sending extended community attributes to this entity (neighbor or peer-group)\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable sending extended community attributes to this entity (neighbor or peer-group)\";\t\t\t}\t\t\tleaf standard {\t\t\t\tdescription \"Disable sending standard community attributes to this entity (neighbor or peer-group)\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable sending standard community attributes to this entity (neighbor or peer-group)\";\t\t\t}\t\t}\t\tcontainer capability {\t\t\tdescription \"Advertise capabilities to this entity (neighbor or peer-group)\";\t\t\tpresence \"Enables BGP neighbor/peer-group AFI capabilities\";\t\t\tconfigd:help \"Advertise capabilities to this entity (neighbor or peer-group)\";\t\t\tcontainer graceful-restart {\t\t\t\tdescription \"Advertise the graceful-restart capability to this entity (neighbor or peer-group)\";\t\t\t\tpresence \"Enables graceful-restart capability at neighbor/peer-group AFI level\";\t\t\t\tconfigd:help \"Advertise the graceful-restart capability to this entity (neighbor or peer-group)\";\t\t\t\tmust \"not(../../peer-group)\" {\t\t\t\t\terror-message \"You can't set graceful-restart for a neighbor in a peer-group. You must set it in the peer-group.\";\t\t\t\t}\t\t\t\tleaf disable {\t\t\t\t\tdescription \"Disable the advertisement of the graceful-restart capability to this entity (neighbor or peer-group)\";\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable the advertisement of the graceful-restart capability to this entity (neighbor or peer-group)\";\t\t\t\t}\t\t\t}\t\t\tcontainer orf {\t\t\t\tdescription \"Advertise ORF capability to this neighbor\";\t\t\t\tpresence \"Enables ORF capability at neighbor/peer-group AFI level\";\t\t\t\tconfigd:help \"Advertise ORF capability to this neighbor\";\t\t\t\tcontainer prefix-list {\t\t\t\t\tdescription \"Advertise prefix-list ORF capability to this entity (neighbor or peer-group)\";\t\t\t\t\tpresence \"Enables advertising prefix-list ORF capability\";\t\t\t\t\tconfigd:help \"Advertise prefix-list ORF capability to this entity (neighbor or peer-group)\";\t\t\t\t\tleaf receive {\t\t\t\t\t\tdescription \"Capability to receive the ORF\";\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Capability to receive the ORF\";\t\t\t\t\t}\t\t\t\t\tleaf send {\t\t\t\t\t\tdescription \"Capability to send the ORF\";\t\t\t\t\t\ttype

empty;\t\t\t\t\tconfigd:help \"Capability to send the ORF\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\t}\t\t\tcontainer soft-reconfiguration {\t\t\tdescription \"Soft reconfiguration for neighbor\";\t\t\tconfigd:help \"Soft reconfiguration for neighbor\";\t\t\tleaf inbound {\t\t\t\tdescription \"Inbound soft reconfiguration for this entity (neighbor or peer-group) [REQUIRED]\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Inbound soft reconfiguration for this entity (neighbor or peer-group) [REQUIRED]\";\t\t\t}\t\t\t}\t\t\tcontainer default-originate {\t\t\tdescription \"Send default route to this neighbor\";\t\t\tpresence \"Enables default-originate at neighbor/peer-group AFI level\";\t\t\tconfigd:help \"Send default route to this neighbor\";\t\t\tuses route-map-group {\t\t\trefine route-map {\t\t\t\tconfigd:help \"Route-map to specify criteria of the default\";\t\t\t}\t\t\t}\t\t\t}\t\t\tleaf unsuppress-map {\t\t\tdescription \"Route-map to selectively unsuppress suppressed routes\";\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t}\t\t\tconfigd:help \"Route-map to selectively unsuppress suppressed routes\";\t\t}\t\t\tleaf nexthop-self {\t\t\tdescription \"Nexthop for routes sent to this peer-group to be the local router\";\t\t\ttype empty;\t\t\tconfigd:help \"Nexthop for routes sent to this peer-group to be the local router\";\t\t}\t\t\tleaf route-server-client {\t\t\tdescription \"Peer-group as route server client\";\t\t\ttype empty;\t\t\tconfigd:help \"Peer-group as route server client\";\t\t}\t\t}\t/* BGP Global parameters supported under default VRF */\tgrouping bgp-params-global-default-vrf {\t\tcontainer parameters {\t\t\tdescription \"BGP Global parameters that can be configured under Default BGP Routing Instance\";\t\t\tpresence \"Enables BGP parameters\";\t\t\tconfigd:help \"BGP parameters\";\t\t\tuses bgp-params-global-ext-asn-cap;\t\t\tuses bgp-params-global-no-rtm;\t\t\tuses bgp-params-global-cluster-id;\t\t\tuses bgp-params-global-always-compare-med;\t\t\tuses bgp-params-global-default;\t\t\tuses bgp-params-global-confederation;\t\t\tuses bgp-params-global-graceful-restart;\t\t\tuses bgp-params-global-bestpath;\t\t\tuses bgp-params-global-log-neighbor-changes;\t\t\tuses bgp-params-global-no-fast-external-failover;\t\t\tuses bgp-params-global-enforce-first-as;\t\t\tuses bgp-params-global-scan-time;\t\t\tuses bgp-params-global-maximum-as-limit;\t\t\tuses bgp-params-global-med-out-delay;\t\t\tuses bgp-params-global-no-client-to-client-reflection;\t\t\tuses bgp-params-global-deterministic-med;\t\t\tuses bgp-params-global-maximum-paths;\t\t\tuses bgp-params-global-router-id;\t\t}\t\tuses bgp-params-timers;\t}\tgrouping bgp-params-peer-group {\t\t\tlist peer-group {\t\t\t\tdescription \"BGP Peer-group parameters\";\t\t\t\tconfigd:help \"BGP peer-group\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\tdescription \"BGP peer-group\";\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"BGP peer-group\";\t\t\t\t}\t\t\t\tuses peer-grp-neighbor-common-options {\t\t\t\t\trefine local-as {\t\t\t\t\t\tmust \"../../neighbor[address-family/*/peer-group = current()/../tagnode]/remote-as != ../../tagnode\" {\t\t\t\t\t\t\terror-message \"You may not configure local-as for a peer-group with iBGP member\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"not(../../neighbor[address-family/*/peer-group = current()/../tagnode]/remote-as = current())\" {\t\t\t\t\t\t\terror-message \"You may not configure local-as the same as a member's remote-as\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine ttl-security {\t\t\t\t\t\tmust \"../../neighbor[address-family/*/peer-group = current()/../tagnode]/remote-as != ../../tagnode\" {\t\t\t\t\t\t\terror-message \"You may not configure ttl-security for a peer-group with iBGP member\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine enforce-multihop {\t\t\t\t\t\tmust \"../../neighbor[address-family/*/peer-group = current()/../tagnode]/remote-as != ../../tagnode\" {\t\t\t\t\t\t\terror-message \"You may not configure enforce-multihop for a peer-group with iBGP member\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine ebgp-multihop {\t\t\t\t\t\tmust \"../../neighbor[address-family/*/peer-group = current()/../tagnode]/remote-as != ../../tagnode\" {\t\t\t\t\t\t\terror-message \"You may not configure ebgp-multihop for a peer-group with iBGP member\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine cluster-id {\t\t\t\t\t\tmust \"not (../../neighbor[address-family/*/peer-group = current()/../tagnode]/remote-as) or \" +\t\t\t\t\t\t\"(../../neighbor[address-family/*/peer-group = current()/../tagnode]/remote-as = ../../tagnode)\" {\t\t\t\t\t\t\terror-message \"You may not configure cluster-id for a peer-group with eBGP member\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer address-family {\t\t\t\t\tdescription \"BGP peer-group address-family parameters\";\t\t\t\t\tpresence \"Enables BGP peer-group address-family\";\t\t\t\t\tconfigd:help \"BGP peer-group address-family parameters\";\t\t\t\t\tcontainer ipv4-unicast {\t\t\t\t\t\tdescription \"BGP peer-group IPv4 unicast parameters\";\t\t\t\t\t\tpresence \"Enables BGP peer-group IPv4 unicast parameters\";\t\t\t\t\t\tconfigd:help \"BGP peer-group IPv4 unicast parameters\";\t\t\t\t\t\tuses peer-grp-neighbor-afi-common-settings {\t\t\t\t\t\t\trefine remove-private-as {\t\t\t\t\t\t\t\tmust \"../../../../neighbor[address-family/*/peer-group = current()/../../../tagnode]/remote-as \"+\t\t\t\t\t\t\t\t \" != ../../../../../bgp/tagnode\" {\t\t\t\t\t\t\t\t error-message \"You may not configure remove-private-as for a peer-group with iBGP member\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\trefine route-reflector-client {\t\t\t\t\t\t\t\tmust \"not (../../../../neighbor[address-family/*/peer-group = current()/../../../tagnode]/remote-as) or \"+\t\t\t\t\t\t\t\t\"(../../../../neighbor[address-family/*/peer-group = current()/../../../tagnode]/remote-as \"+\t\t\t\t\t\t\t\t\" = ../../../../../bgp/tagnode)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure route-reflector-client for a peer-group with eBGP member\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tuses neigh_peer_grp_ipv4_lists;\t\t\t\t\t}\t\t\t\t\tcontainer ipv6-unicast {\t\t\t\t\t\tdescription \"BGP peer-group IPv6 unicast parameters\";\t\t\t\t\t\tpresence \"Enables BGP peer-group IPv6 unicast parameters\";\t\t\t\t\t\tconfigd:help \"BGP peer-group IPv6 unicast parameters\";\t\t\t\t\t\tuses peer-grp-neighbor-afi-common-settings {\t\t\t\t\t\t\trefine remove-private-as {\t\t\t\t\t\t\t\tmust \"../../../../neighbor[address-family/*/peer-group = current()/../../../tagnode]/remote-as \"+\t\t\t\t\t\t\t\t \" != ../../../../../bgp/tagnode\" {\t\t\t\t\t\t\t\t error-message \"You may not configure remove-private-as for a peer-group with iBGP member\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\trefine route-reflector-client {\t\t\t\t\t\t\t\tmust \"not (../../../../neighbor[address-family/*/peer-group = current()/../../../tagnode]/remote-as) or \"+\t\t\t\t\t\t\t\t\"(../../../../neighbor[address-family/*/peer-group = current()/../../../tagnode]/remote-as \"+\t\t\t\t\t\t\t\t\" = ../../../../../bgp/tagnode)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure route-reflector-client for a peer-group with eBGP member\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tuses neigh peer grp ipv6 lists;\t\t\t\t\t}\t\t\t\t}\t\t\t\tmust \"not((cluster-id or (address-family/*/route-reflector-client)) and\" +\t\t\t\t \"   (ebgp-multihop or enforce-multihop or ttl-security or local-as or (address-family/*/remove-private-as)))\" {\t\t\t\terror-message \"You may not configure both eBGP and iBGP type parameters\";\t\t\t\t}\t\t\t}\t}\t/* Neighbor adddress grouping - validation scripts to be added during refine */\tgrouping peer-address {\t\tleaf tagnode {\t\t\ttype union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype types:ipv6-address;\t\t\t}\t\t\tconfigd:help \"BGP neighbor\";\t\t\tmust \"not((starts-with(current(), 'fe8')) or (starts-with(current(), 'fe9')) or \" +\t\t\t \"(starts-with(current(), 'fea')) or (starts-with(current(), 'feb'))) or \" +\t\t\t \"(../update-source) or \" +\t\t\t \"(../../peer-group[tagnode = current()/../address-family/*/peer-group]/update-source)\" {\t\t\t error-message \"You must configure update-source for IPv6 link-local neighbors\\n\";\t\t\t}\t\t\tmust \"not((starts-with(current(),

'fe8')) or (starts-with(current(), 'fe9')) or \" +\t\t\t\t \"(starts-with(current(), 'fea')) or (starts-with(current(), 'feb'))) or \" +\t\t\t\t \"(not(../ebgp-multihop) and \" +\t\t\t\t \" not(../../peer-group[tagnode = current()/../address-family/*/peer-group]/ebgp-multihop))\" {\t\t\t\t error-message \"You may not configure ebgp-multihop for IPv6 link-local neighbor\\n\";\t\t\t}\t\t\tmust \"not((starts-with(current(), 'fe8')) or (starts-with(current(), 'fe9')) or \" +\t\t\t\t \"(starts-with(current(), 'fea')) or (starts-with(current(), 'feb'))) or \" +\t\t\t\t \"(not(../ttl-security) and \" +\t\t\t\t \" not(../../peer-group[tagnode = current()/../address-family/*/peer-group]/ttl-security))\" {\t\t\t\t error-message \"You may not configure ttl-security for IPv6 link-local neighbor\\n\";\t\t\t}\t\t}\t}\t/* This grouping contains relative path to nodes outside the group scope. It can only be used\t   at a specific config level matching the relative path.\t*/\tgrouping bgp-params-neighbor {\t\t\tlist neighbor {\t\t\t\tdescription \"BGP neighbor level configuration parameters\";\t\t\t\tconfigd:help \"BGP neighbor\";\t\t\t\tkey \"tagnode\";\t\t\t\tuses peer-address;\t\t\t\tuses peer-grp-neighbor-common-options {\t\t\t\t\trefine strict-capability-match {\t\t\t\t\t\tmust \"not(../../peer-group[tagnode = current()/../address-family/*/peer-group]/override-capability)\" {\t\t\t\t\t\t\terror-message \"You may not configure strict-capability-match when override-capability is set in peer-group\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine override-capability {\t\t\t\t\t\tmust \"not(../../peer-group[tagnode = current()/../address-family/*/peer-group]/strict-capability-match)\" {\t\t\t\t\t\t\terror-message \"You may not configure override-capability when strict-capability-match is set in peer-group\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine local-as {\t\t\t\t\t\tmust \"not(../address-family/*/peer-group)\" {\t\t\t\t\t\t\terror-message \"You may not configure local-as for a neighbor in peer-group\\n\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine as-origination-interval {\t\t\t\t\t\tmust \"not(../address-family/*/peer-group)\" {\t\t\t\t\t\t\terror-message \"You may not configure as-origination-interval for a neighbor in peer-group\\n\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine ttl-security {\t\t\t\t\t\tmust \"not(../address-family/*/peer-group) or \" +\t\t\t\t\t\t \"(../../peer-group[tagnode = current()/../address-family/*/peer-group]/remote-as != ../../tagnode)\" {\t\t\t\t\t\t\terror-message \"You may not configure ttl-security for a neighbor in iBGP peer-group\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"not(../../peer-group[tagnode = current()/../address-family/*/peer-group]/ebgp-multihop) or \" +\t\t\t\t\t\t \"((../../peer-group[tagnode = current()/../address-family/*/peer-group]/ebgp-multihop) = 1)\" {\t\t\t\t\t\t\terror-message \"You may not configure ttl-security hop when ebgp-multihop is set in peer-group\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine enforce-multihop {\t\t\t\t\t\tmust \"not(../address-family/*/peer-group) or \" +\t\t\t\t\t\t \"(../../peer-group[tagnode = current()/../address-family/*/peer-group]/remote-as != ../../tagnode)\" {\t\t\t\t\t\t\terror-message \"You may not configure enforce-multihop for a neighbor in an iBGP peer-group\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine port {\t\t\t\t\t\tmust \"not(../address-family/*/peer-group)\" {\t\t\t\t\t\t\terror-message \"You may not configure port for a neighbor in peer-group\\n\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine timers {\t\t\t\t\t\tmust \"not(../address-family/*/peer-group)\" {\t\t\t\t\t\t\terror-message \"You may not configure timer for a neighbor in peer-group\\n\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine ebgp-multihop {\t\t\t\t\t\tmust \"(../../peer-group[tagnode = current()/../address-family/*/peer-group]/remote-as != ../../tagnode)\" {\t\t\t\t\t\t\terror-message \"You may not configure ebgp-multihop for a neighbor in an iBGP peer-group\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"not(../../peer-group[tagnode = current()/../address-family/*/peer-group]/ttl-security)\" {\t\t\t\t\t\t\terror-message \"You may not configure ebgp-multihop when ttl-security hop is set in peer-group\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\trefine remote-as {\t\t\t\t\t\tmust \"not(current()/../address-family/*/peer-group) or \" +\t\t\t\t\t\t\t\"((\" +\t\t\t\t\t\t\t\"(current() = ../../tagnode) and \" +\t\t\t\t\t\t\t\"not(../../neighbor[address-family/*/peer-group = current()/../address-family/*/peer-group]/remote-as != ../../tagnode)\" +\t\t\t\t\t\t\t\") or \" +\t\t\t\t\t\t\t\"(\" +\t\t\t\t\t\t\t\"(current() != ../../tagnode) and \" +\t\t\t\t\t\t\t\"not(../../neighbor[address-family/*/peer-group = current()/../address-family/*/peer-group]/remote-as = ../../tagnode)\" +\t\t\t\t\t\t\t\")\" +\t\t\t\t\t\t\t\")\" {\t\t\t\t\t\t\terror-message \"All members of a peer-group must be either iBGP or eBGP\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tmust \"(not(address-family) or remote-as or (../peer-group[tagnode = current()/address-family/*/peer-group]/remote-as))\" {\t\t\t\terror-message \"remote-as must be configured either in neighbor or in peer-group\";\t\t\t}\t\t\tmust \"not(remote-as and (../peer-group[tagnode = current()/address-family/*/peer-group]/remote-as))\" {\t\t\t\terror-message \"You may not configure remote-as both in neighbor and peer-group\";\t\t\t}\t\t\tuses neighbor-route-map {\t\t\t\trefine route-map/export {\t\t\t\t\tmust \"not(../../address-family/*/peer-group)\" {\t\t\t\t\t\terror-message \"You may not configure global route-map export for a neighbor in peer-group\\n\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer address-family {\t\t\t\tdescription \"Parameters relating to IPv4 or IPv6 routes\";\t\t\t\tpresence \"Enables BGP neighbor address-family\";\t\t\t\tconfigd:help \"Parameters relating to IPv4 or IPv6 routes\";\t\t\t\tcontainer ipv4-unicast {\t\t\t\t\tdescription \"BGP neighbor parameters\";\t\t\t\t\tpresence \"Enables BGP neighbor IPv4 parameters\";\t\t\t\t\tconfigd:help \"BGP neighbor parameters\";\t\t\t\t\tuses peer-grp-neighbor-afi-common-settings {\t\t\t\t\t\trefine filter-list/export {\t\t\t\t\t\t\tmust \"not(../../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure filter-list export for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine route-map/export {\t\t\t\t\t\t\tmust \"not(../../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure route-map export for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine attribute-unchanged {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure attribute-unchanged for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine remove-private-as {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure remove-private-as for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine route-reflector-client {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure route-reflector-client for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine disable-send-community {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure disable-send-community for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine capability/orf {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure capability orf for a neighbor in peer-group\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine default-originate {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure default-originate for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine unsuppress-map {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure unsuppress-map for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine nexthop-self {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure nexthop-self for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine route-server-client

{\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure route-server-client for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tuses neigh peer grp ipv4 lists {\t\t\t\t\t\trefine distribute-list {\t\t\t\t\t\t\tmust \"not(../../../../peer-group[tagnode = current()/../peer-group]/address-family/ipv4-unicast/prefix-list)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure distribute-list when prefix-list is set in peer-group\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine prefix-list {\t\t\t\t\t\t\tmust \"not(../../../../peer-group[tagnode = current()/../peer-group]/address-family/ipv4-unicast/distribute-list)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure prefix-list when distribute-list is set in peer-group\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf peer-group {\t\t\t\t\t\tdescription \"IPv4 peer group for this peer\";\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"../../../../peer-group/tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"IPv4 peer group for this peer\";\t\t\t\t\t\tmust \"../../../../peer-group[tagnode=current()]/address-family/ipv4-unicast\" {\t\t\t\t\t\t\terror-message 'You must configure address-family ipv4-unicast in peer-group';\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/bgp/neighbor/address-family/peer-group/configd update.cli\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\tcontainer ipv6-unicast {\t\t\t\t\t\tdescription \"BGP neighbor parameters\";\t\t\t\t\t\tpresence \"Enables BGP neighbor IPv6 parameters\";\t\t\t\t\t\tconfigd:help \"BGP neighbor parameters\";\t\t\t\t\t\tuses peer-grp-neighbor-afi-common-settings {\t\t\t\t\t\trefine filter-list/export {\t\t\t\t\t\t\tmust \"not(../../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure filter-list export for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine route-map/export {\t\t\t\t\t\t\tmust \"not(../../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure route-map export for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine attribute-unchanged {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure attribute-unchanged for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine remove-private-as {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure remove-private-as for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine route-reflector-client {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure route-reflector-client for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine disable-send-community {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure disable-send-community for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine capability/orf {\t\t\t\t\t\t\tmust \"not(../../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure capability orf for a neighbor in peer-group\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine default-originate {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure default-originate for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine unsuppress-map {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure unsuppress-map for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine nexthop-self {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure nexthop-self for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine route-server-client {\t\t\t\t\t\t\tmust \"not(../peer-group)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure route-server-client for a neighbor in peer-group\\n\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tuses neigh peer grp ipv6 lists {\t\t\t\t\t\trefine distribute-list {\t\t\t\t\t\t\tmust \"not(../../../../peer-group[tagnode = current()/../peer-group]/address-family/ipv6-unicast/prefix-list)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure distribute-list when prefix-list is set in peer-group\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\trefine prefix-list {\t\t\t\t\t\t\tmust \"not(../../../../peer-group[tagnode = current()/../peer-group]/address-family/ipv6-unicast/distribute-list)\" {\t\t\t\t\t\t\t\terror-message \"You may not configure distribute-list when distribute-list is set in peer-group\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf peer-group {\t\t\t\t\t\tdescription \"IPv6 peer group for this peer\";\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"../../../../peer-group/tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"../../../../peer-group[tagnode=current()]/address-family/ipv6-unicast\" {\t\t\t\t\t\t\terror-message \"Please set address-family ipv6-unicast in peer-group\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"IPv6 peer group for this peer\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}grouping bgp-params-address-family {\t\t\tcontainer address-family {\t\t\t\tdescription \"BGP address-level configuration parameters\";\t\t\t\tpresence \"Enables BGP address-family parameters\";\t\t\t\tconfigd:help \"BGP address-family parameters\";\t\t\t\tcontainer ipv4-unicast {\t\t\t\t\tdescription \"BGP IPv4 settings\";\t\t\t\t\tpresence \"Enables BGP IPv4 settings\";\t\t\t\t\tconfigd:help \"BGP IPv4 settings\";\t\t\t\t\tcontainer parameters {\t\t\t\t\t\tdescription \"BGP parameters for the ipv4-unicast address family\";\t\t\t\t\t\tpresence \"Enables BGP parameters for the ipv4-unicast address family\";\t\t\t\t\t\tconfigd:help \"BGP parameters for the ipv4-unicast address family\";\t\t\t\t\t\tleaf synchronization {\t\t\t\t\t\t\tdescription \"Enable BGP synchronization for the ipv4-unicast address family\";\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\tconfigd:help \"Enable BGP synchronization for the ipv4-unicast address family\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf network-synchronization {\t\t\t\t\t\t\tdescription \"Enable BGP network synchronization for the ipv4-unicast address family\";\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\tconfigd:help \"Enable BGP network synchronization for the ipv4-unicast address family\";\t\t\t\t\t\t}\t\t\t\t\t\tuses parameters-distance;\t\t\t\t\tuses parameters-dampening;\t\t\t\t\t}\t\t\t\t\tuses ipv4-aggregate-address;\t\t\t\tuses network-ipv4;\t\t\t\tuses redistribute-ipv4;\t\t\t\tleaf auto-summary {\t\t\t\t\t\tdescription \"Enable automatic network number summarization\";\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable automatic network number summarization\";\t\t\t\t\t}\t\t\t\t\tuses bgp-nexthop-rmap;\t\t\t}\t\t\t\tcontainer ipv6-unicast {\t\t\t\t\tdescription \"Enable BGP IPv6 settings\";\t\t\t\t\tpresence \"Enables BGP IPv6 settings\";\t\t\t\t\tconfigd:help \"BGP IPv6 settings\";\t\t\t\t\tcontainer parameters {\t\t\t\t\t\tdescription \"BGP parameters for the ipv6-unicast address family\";\t\t\t\t\t\tpresence \"Enables BGP parameters for the ipv6-unicast address family\";\t\t\t\t\t\tconfigd:help \"BGP parameters for the ipv6-unicast address family\";\t\t\t\t\t\tleaf synchronization {\t\t\t\t\t\t\tdescription \"Enable BGP synchronization for the ipv6-unicast address family\";\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\tconfigd:help \"Enable BGP synchronization for the ipv6-unicast address family\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf network-synchronization {\t\t\t\t\t\t\tdescription \"Enable BGP network synchronization for the ipv6-unicast address family\";\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\tconfigd:help \"Enable BGP network synchronization for the ipv6-unicast address family\";\t\t\t\t\t\t}\t\t\t\t\t\tuses parameters-distance;\t\t\t\t\tuses parameters-dampening;\t\t\t\t\t}\t\t\t\t\tuses ipv6-aggregate-address;\t\t\t\tuses network-ipv6;\t\t\t\tuses redistribute-ipv6;\t\t\t\tleaf auto-summary {\t\t\t\t\t\tdescription \"Enable automatic network number summarization\";\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable automatic network number

summarization\";\t\t\t\t\t}\t\t\t\t\tuses bgp-nexthop-rmap;\t\t\t\t}\t\t\t}\t}\tgrouping bgp-params-log-all {\t\tleaf all {\t\t\tdescription \"Enable all BGP logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable all BGP logs\";\t\t}\t}\tgrouping bgp-params-log-events {\t\tleaf events {\t\t\tdescription \"Enable BGP events logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP events logs\";\t\t}\t}\tgrouping bgp-params-log-filters {\t\tleaf filters {\t\t\tdescription \"Enable BGP filters logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP filters logs\";\t\t}\t}\tgrouping bgp-params-log-fsm {\t\tleaf fsm {\t\t\tdescription \"Enable BGP fsm logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP fsm logs\";\t\t}\t}\tgrouping bgp-params-log-nsm {\t\tleaf nsm {\t\t\tdescription \"Enable BGP nsm logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP nsm logs\";\t\t}\t}\tgrouping bgp-params-log-keepalive {\t\tleaf keepalive {\t\t\tdescription \"Enable BGP keepalive logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP keepalive logs\";\t\t}\t}\tgrouping bgp-params-log-update {\t\tcontainer update {\t\t\tdescription \"BGP update logs\";\t\t\tconfigd:help \"BGP update logs\";\t\t\tleaf in {\t\t\t\tdescription \"Enable BGP update in logs\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable BGP update in logs\";\t\t\t}\t\t\tleaf out {\t\t\t\tdescription \"Enable BGP update out logs\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable BGP update out logs\";\t\t\t}\t\t\tleaf all {\t\t\t\tdescription \"Enable BGP update all logs\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable BGP update all logs\";\t\t\t}\t\t}\t}\tgrouping bgp-params-log-bfd {\t\tleaf bfd {\t\t\tdescription \"Enable BGP BFD logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP BFD logs\";\t\t}\t}\tgrouping bgp-params-log-dampening {\t\tleaf dampening {\t\t\tdescription \"Enable BGP dampening logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP dampening logs\";\t\t}\t}\tgrouping bgp-params-log-msdp {\t\tleaf msdp {\t\t\tdescription \"Enable BGP msdp logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP msdp logs\";\t\t}\t}\tgrouping bgp-params-log-rib {\t\tleaf rib {\t\t\tdescription \"Enable BGP rib logs\";\t\t\ttype empty;\t\t\tconfigd:help \"Enable BGP rib logs\";\t\t}\t}\tgrouping bgp-params-log {\t\tcontainer log {\t\t\tdescription \"BGP logging configuration parameters\";\t\t\tconfigd:help \"BGP logging parameters\";\t\t\tuses bgp-params-log-all;\t\t\tuses bgp-params-log-events;\t\t\tuses bgp-params-log-filters;\t\t\tuses bgp-params-log-fsm;\t\t\tuses bgp-params-log-nsm;\t\t\tuses bgp-params-log-keepalive;\t\t\tuses bgp-params-log-update;\t\t\tuses bgp-params-log-bfd;\t\t\tuses bgp-params-log-dampening;\t\t\tuses bgp-params-log-msdp;\t\t\tuses bgp-params-log-rib;\t\t}\t}\tgrouping bgp-protocol {\t\tlist bgp {\t\t\tconfigd:priority \"710\";\t\t\tdescription \"BGP configuration parameters\";\t\t\tconfigd:help \"Border Gateway Protocol (BGP) parameters\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/bgp/configd_end.sh\";\t\t\tmust \"(tagnode != 23456)\" {\t\t\t\terror-message \"Invalid AS Number, 23456 (Reserved)\";\t\t\t}\t\t\tmust \"((tagnode <= 65535) or \" +   \"(/protocols:protocols/vyatta-protocols-bgp-v1:bgp/vyatta-protocols-bgp-v1:parameters/vyatta-protocols-bgp-v1:extended-asn-capability))\" {\t\t\t\terror-message \"Extended ASN Capability must be enabled for configuring ASN greater than 65535\";\t\t\t}\t\t\tmust \"count(../bgp/tagnode) <= 1\" {\t\t\t\terror-message \"Another BGP instance is already running\" ;\t\t\t}\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\tdescription \"BGP AS Number\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..max;\t\t\t\t}\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) parameters\";\t\t\t}\t\t\tuses bgp-params-global-default-vrf;\t\tuses bgp-params-peer-group;\t\tuses bgp-params-neighbor {\t\t\trefine neighbor {\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/bgp/neighbor/configd_validate.sh\";\t\t\t}\t\t}\t\tuses bgp-params-address-family;\t\tuses bgp-params-log;\t\t}\t}\t/* Augmenting to protocols - default VRF */\taugment /protocols:protocols {\t\tuses bgp-protocol;\t}\t/* Augmenting trap notifications */\taugment /service:service/service-snmp:snmp/service-snmp:notification {\t\tcontainer bgp {\t\t\tdescription \"BGP Notifications\";\t\t\tconfigd:help \"BGP Notifications\";\t\t\tleaf all {\t\t\t\tdescription \"Enable BGP Notifications\";\t\t\t\ttype empty;\t\t\t\tconfigd:help \"BGP Notifications\";\t\t\t\tconfigd:create \"vtysh -c \"configure terminal\" -c \"bgp notification all\"\";\t\t\t\tconfigd:delete \"vtysh -c \"configure terminal\" -c \"no bgp notification\"\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-ipv6-rtradv-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-ipv6-rtradv:1\" revision=\"2016-09-08\" format=\"yang\" length=\"3173\"module vyatta-ipv6-rtradv-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-ipv6-rtradv:1\";\tprefix vyatta-ipv6-rtradv-v1;\timport vyatta-ipv6-rtradv-groups-v1 {\t\tprefix ipv6-rtradv-grp;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\t\tprefix interfaces-loopback;\t}\timport vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t The YANG module for vyatta-ipv6-rtradv-v1\";\trevision 2016-09-08 {\t\tdescription \"Reinstate prefix-lifetime, but mark it as obsolete\";\t}\trevision 2016-09-01 {\t\tdescription \"Migrate groupings and typedefs into a separate module\t\t\t(vyatta-ipv6-rtradv-groups-v1.yang)\";\t}\trevision 2016-08-25 {\t\tdescription \"Refactor groupings to support system (host) interfaces\";\t}\trevision 2016-04-20 {\t\tdescription \"Deprecate router-advert for loopback interfaces\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\ttypedef prefix-lifetime {\t\tstatus obsolete;\t\ttype ipv6-rtradv-grp:prefix-lifetime;\t}\taugment /if:interfaces/interfaces-bridge:bridge/interfaces-bridge:ipv6 {\t\tuses ipv6-rtradv-grp:if-ipv6-parameters;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ipv6 {\t\tuses ipv6-rtradv-grp:if-ipv6-parameters;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ipv6 {\t\tuses ipv6-rtradv-grp:vif-ipv6-parameters;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:ipv6 {\t\tuses ipv6-rtradv-grp:if-ipv6-parameters;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-l2tpeth:ipv6 {\t\tuses ipv6-rtradv-grp:vif-ipv6-parameters;\t}\taugment /if:interfaces/interfaces-loopback:loopback/interfaces-loopback:ipv6 {\t\tuses ipv6-rtradv-grp:if-disable-forwarding;\t\tuses ipv6-rtradv-grp:if-dup-addr-detect-transmits;\t\tuses ipv6-rtradv-grp:if-router-advert {\t\t\tstatus deprecated;\t\t}\t\tuses ipv6-rtradv-grp:if-address;\t}\taugment /if:interfaces/interfaces-openvpn:openvpn/interfaces-openvpn:ipv6 {\t\tuses ipv6-rtradv-grp:if-ipv6-parameters;\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-tunnel:ipv6 {\t\tuses ipv6-rtradv-grp:if-ipv6-parameters;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:ipv6 {\t\tuses ipv6-rtradv-grp:if-ipv6-parameters;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-bonding:ipv6 {\t\tuses ipv6-rtradv-grp:vif-ipv6-parameters;\t}}</module<module name=\"vyatta-service-flow-monitoring-bonding-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-flow-monitoring-bonding:1\" revision=\"2015-09-09\" format=\"yang\" length=\"987\"module vyatta-service-flow-monitoring-bonding-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-flow-monitoring-bonding:1\";\tprefix vyatta-service-flow-monitoring-bonding-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1

{\t\tprefix if;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix if-bonding;\t}\timport vyatta-service-flow-monitoring-v1 {\t\tprefix flow-monitoring;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-flow-monitoring-bonding-v1\";\trevision 2015-09-09 {\t\tdescription \"Vermont revision of version 1.\";\t\tconfigd:migration 1;\t}\taugment /if:interfaces/if-bonding:bonding {\t\tuses flow-monitoring:interface-parameters;\t}}</module><module name=\"vyatta-service-portmonitor-v1\"\turi=\"urn:vyatta.com:mgmt:vyatta-service-portmonitor:1\" revision=\"2015-08-14\" format=\"yang\" length=\"4373\"module vyatta-service-portmonitor-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-portmonitor:1\";\tprefix vyatta-service-portmonitor-v1;\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Vyatta portmonitor yang file and portmonitor specific\t\t scripts.\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\ttypedef direction {\t\tdescription \"Policy to receive and/or transmit packets\";\t\ttype enumeration {\t\t\tenum \"both\" {\t\t\t\tconfigd:help \"Direction for receiving and transmitting packets\";\t\t\t}\t\t\tenum \"rx\" {\t\t\t\tconfigd:help \"Direction for only receiving packets\";\t\t\t}\t\t\tenum \"tx\" {\t\t\t\tconfigd:help \"Direction for only transmitting packets\";\t\t\t}\t\t}\t}\ttypedef session-type {\t\tdescription \"Type of portmonitor session\";\t\ttype enumeration {\t\t\tenum \"span\" {\t\t\t\tconfigd:help \"Session type SPAN\";\t\t\t}\t\t\tenum \"rspan-source\" {\t\t\t\tconfigd:help \"Session type RSPAN source\";\t\t\t}\t\t\tenum \"rspan-destination\" {\t\t\t\tconfigd:help \"Session type RSPAN destination\";\t\t\t}\t\t\tenum \"erspan-source\" {\t\t\t\tconfigd:help \"Session type ERSPAN source\";\t\t\t}\t\t\tenum \"erspan-destination\" {\t\t\t\tconfigd:help \"Session type ERSPAN destination\";\t\t\t}\t\t}\t}\ttypedef header-type {\t\tdescription \"Header type of portmonitor session of type erspan\";\t\ttype enumeration {\t\t\tenum \"type-II\" {\t\t\t\tconfigd:help \"ERSPAN header Type-II\";\t\t\t}\t\t\tenum \"type-III\" {\t\t\t\tconfigd:help \"ERSPAN header Type-III\";\t\t\t}\t\t}\t}\taugment /service:service {\t\tcontainer portmonitor {\t\t\tpresence \"enable portmonitor\";\t\t\tconfigd:help \"Portmonitor configuration\";\t\t\tconfigd:validate \"vplane-portmonitor-validate.pl\";\t\t\tconfigd:end \"vyatta-portmonitor.pl --action=update\";\t\t\tconfigd:priority \"810\";\t\t\tdescription \"Portmonitor configuration container\";\t\t\tlist session {\t\t\t\tconfigd:help \"Portmonitor session configuration\";\t\t\t\tdescription \"Portmonitor session configuration\";\t\t\t\tmax-elements \"8\";\t\t\t\tkey \"list-key\";\t\t\t\tleaf list-key {\t\t\t\t\ttype uint8 {\t\t\t\t\t\trange 1..31;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Portmonitor session identifier\";\t\t\t\t\tdescription \"Portmonitor session identifier\";\t\t\t\t}\t\t\t\tleaf type {\t\t\t\t\ttype session-type;\t\t\t\t\tmandatory true;\t\t\t\t\tconfigd:help \"Type for portmonitoring\";\t\t\t\t\tdescription \"Portmonitor session type\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string {\t\t\t\t\t\tlength \"1..256\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Session Description\";\t\t\t\t\tdescription \"Portmonitor session description\";\t\t\t\t}\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable portmonitor session\";\t\t\t\t\tdescription \"Disable portmonitor session\";\t\t\t\t}\t\t\t\tlist source {\t\t\t\t\tdescription \"Portmonitor source interface configuration\";\t\t\t\t\tconfigd:help \"Source interface for portmonitoring\";\t\t\t\t\tconfigd:allowed \"vyatta-portmonitor.pl --action=show_allowed_intf\";\t\t\t\t\tkey \"interface\";\t\t\t\t\tleaf interface {\t\t\t\t\t\ttype string;\t\t\t\t\t\tdescription \"Source interface name\";\t\t\t\t\t\tconfigd:help \"Source interface name\";\t\t\t\t\t\tconfigd:allowed \"vyatta-portmonitor.pl --action=show allowed intf\";\t\t\t\t\t}\t\t\t\t\tleaf direction {\t\t\t\t\t\ttype direction;\t\t\t\t\t\tdescription \"Source interface direction for packets\";\t\t\t\t\t\tdefault \"both\";\t\t\t\t\t\tconfigd:help \"Policy for interface whether to receive and/or transmit packets\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf-list destination {\t\t\t\t\ttype string;\t\t\t\t\tordered-by \"system\";\t\t\t\t\tmax-elements \"1\";\t\t\t\t\tdescription \"Portmonitor destination interface configuration\";\t\t\t\t\tconfigd:help \"Destination interface for portmonitoring\";\t\t\t\t\tconfigd:allowed \"vyatta-portmonitor.pl --action=show allowed intf\";\t\t\t\t}\t\t\t\tcontainer erspan {\t\t\t\t\tconfigd:help \"Properties for session type erspan\";\t\t\t\t\tdescription \"Properties for session type erspan\";\t\t\t\t\tleaf identifier {\t\t\t\t\t\ttype uint16 {\t\t\t\t\t\t\trange 1..1023;\t\t\t\t\t\t}\t\t\t\t\t\tdescription \"erspan identifier\";\t\t\t\t\t\tconfigd:help \"erspan identifier\";\t\t\t\t\t}\t\t\t\t\tleaf header {\t\t\t\t\t\ttype header-type;\t\t\t\t\t\tdescription \"erspan header type\";\t\t\t\t\t\tdefault \"type-II\";\t\t\t\t\t\tconfigd:help \"erspan header type\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-service-telnet-routing-instance-v1\"\turi=\"urn:vyatta.com:mgmt:vyatta-service-telnet-routing-instance:1\" revision=\"2016-04-18\" format=\"yang\" length=\"1295\"module vyatta-service-telnet-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-telnet-routing-instance:1\";\tprefix vyatta-service-telnet-routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix rt-instance;\t}\timport vyatta-service-telnet-v1 {\t\tprefix service-telnet;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Telnet configuration in VRF\";\trevision 2016-04-18 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /rt-instance:routing/rt-instance:routing-instance/rt-instance:service {\t\tcontainer telnet {\t\t\tpresence \"enable telnet\";\t\t\tdescription \"Telnet service in routing-instance\";\t\t\tconfigd:priority \"500\";\t\t\tconfigd:help \"Enable/disable Network Virtual Terminal Protocol (TELNET) protocol\";\t\t\tconfigd:delete \"vyatta_update_telnet --vrf=$VAR(../../../routing-instance/@) --operation=disable\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/telnet/configd end.sh\";\t\t\tuses service-telnet:telnet-service-grouping;\t\t}\t}}</module><module name=\"vyatta-protocols-pim-v1\"\turi=\"urn:vyatta.com:mgmt:vyatta-protocols-pim:1\" revision=\"2016-08-02\" format=\"yang\" length=\"21135\"module vyatta-protocols-pim-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-pim:1\";\tprefix vyatta-protocols-pim-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\t\tprefix interfaces-loopback;\t}\timport vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-

vti-v1 {\t\tprefix interfaces-vti;\t}\timport vyatta-protocols-pim-interface-v1 {\t\tprefix pim-interface;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-route;\t}\timport vyatta-protocols-pim-common-v1 {\t\tprefix pim-common;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-pim-v1\";\trevision 2016-08-02 {\t\tdescription \"Add further must statements to replace local-only validation\";\t}\trevision 2016-03-09 {\t\tdescription \"Add must statements to replace local-only validation\";\t}\trevision 2015-07-28 {\t\tdescription \"New module, replaces vyatta-protocols-pim\";\t}\tgrouping pim-parameters {\t\tcontainer pim {\t\t\tconfigd:help \"Protocol Independent Multicasting (PIM)\";\t\t\tconfigd:priority \"740\";\t\t\tcontainer register-source {\t\t\t\tconfigd:help \"Configure the source address of Register packets sent by this DR\";\t\t\t\tmust \"not(interface and address)\" {\t\t\t\t\terror-message \"address and interface cannot be configured simultaneously\";\t\t\t\t}\t\t\t\tuses pim-common:interface-leaf {\t\t\t\t\trefine interface {\t\t\t\t\t\tconfigd:help \"The name of the interface to use as the source of the register packets\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf address {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t/// Not multicast, reserved or loopback.\t\t\t\t\tmust \"(substring-before(., '.') < 224) and \" +\t\t\t\t\t\"(not(starts-with(., '127.')))\" {\t\t\t\t\t\terror-message \"Not a valid IPv4 unicast address.\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"IP address to use as the source of the register packets\";\t\t\t\t}\t\t\t}\t\t\tcontainer bsr-candidate {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"BSR-candidate configuration\";\t\t\t\tleaf priority {\t\t\t\t\ttype uint8;\t\t\t\t\tconfigd:help \"Priority for a BSR candidate\";   \t\t\tdefault \"64\";\t\t\t\t}\t\t\t\tuses pim-common:interface-leaf {\t\t\t\t\trefine interface {\t\t\t\t\t\tconfigd:help \"BSR-candidate interface name\";\t\t\t\t\t\tmandatory true;\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf hash-mask {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..32 {\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Hash mask length for RP selection\";   \t\t\tdefault \"10\";\t\t\t\t}\t\t\t\tleaf ignore-rp-set-priority {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Ignore the RP-SET priority value, and use only the hashing mechanism for RP selection\";\t\t\t\t}\t\t\t}\t\t\tlist anycast-rp {\t\t\t\tconfigd:help \"Configure the Anycast RP in the RP set\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t/// Not multicast, reserved or loopback.\t\t\t\t\tmust \"(substring-before(., '.') < 224) and \" +\t\t\t\t\t\"(not(starts-with(., '127.')))\" {\t\t\t\t\t\terror-message \"Not a valid IPv4 unicast address.\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Configure the Anycast RP in the RP set\";\t\t\t\t}\t\t\t\tleaf-list anycast-rp-peer {\t\t\t\t\tmin-elements 1;\t\t\t\t\ttype types:ipv4-address;\t\t\t\t/// Not multicast, reserved or loopback.\t\t\t\t\tmust \"(substring-before(., '.') < 224) and \" +\t\t\t\t\t\"(not(starts-with(., '127.')))\" {\t\t\t\t\t\terror-message \"Not a valid IPv4 unicast address.\";\t\t\t\t\t}\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Destination IP address where Register messages are copied and sent\";\t\t\t\t}\t\t\t\tleaf register-rp-reachability {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable the RP reachability check for PIM Registers at the DR\";\t\t\t}\t\t\tcontainer accept-register {\t\t\t\tconfigd:help \"Configure the ability to filter out multicast sources specified by the given access-list at the RP\";\t\t\t\tleaf list {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange \"100..199 | 2000..2699\";\t\t\t\t\t}\t\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\t\terror-message \"access-list has not been configured\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Specify access list\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/accept-register/list/configd_allowed.sh\";\t\t\t\t}\t\t\t}\t\t\tcontainer spt-threshold {\t\t\t\tconfigd:help \"Turn off the ability of the last-hop PIM router to switch to SPT\";\t\t\t\tcontainer infinity {\t\t\t\t\tconfigd:help \"Turn off the ability of the last-hop PIM router to switch to SPT\";\t\t\t\t\tpresence \"Set SPT threshold to infinity\";\t\t\t\t\tleaf group-list {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange \"1..99 | 1300..1999\" {\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\t\t\terror-message \"access-list has not been configured\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Enable the ability for the last-hop PIM router to switch to SPT for multicast group addresses indicated by the given access-list\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/spt-threshold/group-list/configd allowed.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer legacy-register-checksum {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Configure the option to calculate the register checksum over the whole packet\";\t\t\t\tleaf group-list {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange \"1..99 | 1300..1999\";\t\t\t\t\t}\t\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\t\terror-message \"access-list has not been configured\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Configure the option to calculate the register checksum over the whole packet on multicast groups specified by the access-list\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/legacy-register-checksum/group-list/configd_allowed.sh\";\t\t\t\t}\t\t\t}\t\t\tleaf register-kat {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535 {\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Configure a Keepalive Timer (KAT) value for (S,G) states at RP to monitor PIM register packets\";\t\t\t}\t\t\tcontainer rp-candidate {\t\t\t\tpresence \"need this for mandatory interface\";\t\t\t\tconfigd:help \"rp-candidate configuration\";\t\t\t\tlist interface {\t\t\t\t\tmin-elements 1;\t\t\t\t\tunique \"group-list\";\t\t\t\t\tconfigd:help \"RP-candidate interface name\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/interface_allowed.sh\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tuses pim-common:interface-tagnode {\t\t\t\t\t\trefine tagnode {\t\t\t\t\t\t\tconfigd:help \"RP-candidate interface name\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf priority {\t\t\t\t\t\ttype uint8;\t\t\t\t\t\tconfigd:help \"A candidate-RP priority\";\t\t\t\t\t}\t\t\t\t\tleaf interval {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16383 {\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"A candidate-RP advertisement interval\";\t\t\t\t\t}\t\t\t\t\tleaf group-list {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..99 {\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\t\t\terror-message \"access-list has not been configured\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/rp-candidate/interface/group-list/configd allowed.sh\";\t\t\t\t\t\tconfigd:help \"Specify the group ranges for this candidate RP\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tleaf register-suppression-timer {\t\t\t\ttype uint32 {\t\t\t\t\trange 11..65535 {\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Configure the register-suppression time\";\t\t\t\tdefault \"60\";\t\t\t}\t\t\tleaf join-prune-timer {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535 {\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Set a PIM join/prune timer\";\t\t\t}\t\t\tleaf register-rate-limit {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535 {\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Configure the rate of Register packets sent by this designated router (DR)\";\t\t\t}\t\t\tcontainer ssm {\t\t\t\tconfigd:help \"Configure Source Specific Multicast (SSM)\";\t\t\t\tmust \"not(default and range)\"

{\t\t\t\terror-message \"range and default cannot both be configured\";\t\t\t}\t\t\t\tleaf default {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Define the 232/8 group range for SSM\";\t\t\t}\t\t\t\tleaf range {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..99;\t\t\t\t}\t\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\terror-message \"access-list has not been configured\";\t\t\t\t}\t\t\t\t\tmust \"not(/policy:policy/policy-route:route/policy-route:access-list[policy-route:tagnode = current()]\" +\t\t\t\t\t \"/policy-route:rule[policy-route:action = 'permit' and policy-route:source/policy-route:network]) or \" +\t\t\t\t\t \"count(/policy:policy/policy-route:route/policy-route:access-list[policy-route:tagnode = current()]\" +\t\t\t\t\t \"/policy-route:rule[policy-route:action = 'permit']/policy-route:source/policy-route:network\" +\t\t\t\t\t \"[substring-before(., '.') >= 224 and substring-before(., '.') <= 239])\" +\t\t\t\t\t \"= count(/policy:policy/policy-route:route/policy-route:access-list[policy-route:tagnode = current()]\" +\t\t\t\t\t \"/policy-route:rule[policy-route:action = 'permit']/policy-route:source/policy-route:network)\" {\t\t\t\t\tdescription \"All 'source network', 'action permit' rules must specify a multicast address\";\t\t\t\t\terror-message \"Only multicast addresses are valid for 'source network', 'action permit' rules\";\t\t\t\t}\t\t\t\tconfigd:help \"Define an access-list for group range to use for SSM\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/ssm/range/configd_allowed.sh\";\t\t\t}\t\t}\t\t\tlist rp-address {\t\t\t\tconfigd:help \"Statically configure an RP address for multicast groups\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t// Not multicast, reserved or loopback.\t\t\t\tmust \"(substring-before(., '.') < 224) and \" +\t\t\t\t\"(not(starts-with(., '127.')))\" {\t\t\t\t\terror-message \"Not a valid IPv4 unicast address.\";\t\t\t\t}\t\t\t\tconfigd:help \"Statically configure an RP address for multicast groups\";\t\t\t}\t\t\t\tleaf list {\t\t\t\t\ttype uint32 {\t\t\t\t\trange \"1..99 | 1300..1999\";\t\t\t\t}\t\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\terror-message \"access-list has not been configured\";\t\t\t\t}\t\t\t\t\tmust \"not(/policy:policy/policy-route:route/policy-route:access-list[policy-route:tagnode = current()]\" +\t\t\t\t\t \"/policy-route:rule[policy-route:action = 'permit' and policy-route:source/policy-route:network]) or \" +\t\t\t\t\t \"count(/policy:policy/policy-route:route/policy-route:access-list[policy-route:tagnode = current()]\" +\t\t\t\t\t \"/policy-route:rule[policy-route:action = 'permit']/policy-route:source/policy-route:network\" +\t\t\t\t\t \"[substring-before(., '.') >= 224 and substring-before(., '.') <= 239])\" +\t\t\t\t\t \"= count(/policy:policy/policy-route:route/policy-route:access-list[policy-route:tagnode = current()]\" +\t\t\t\t\t \"/policy-route:rule[policy-route:action = 'permit']/policy-route:source/policy-route:network)\" {\t\t\t\t\tdescription \"All 'source network', 'action permit' rules must specify a multicast address\";\t\t\t\t\terror-message \"Only multicast addresses are valid for 'source network', 'action permit' rules\";\t\t\t\t}\t\t\t\tconfigd:help \"Configure static-RP address for specific group ranges\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/rp-address/list/configd allowed.sh\";\t\t\t}\t\t\t\tleaf override {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Set to take precedence over dynamically learned mappings\";\t\t\t}\t\t}\t\t\tcontainer log {\t\t\t\tconfigd:help \"Protocol Independent Multicast (PIM) logging parameters\";\t\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable all PIM logs\";\t\t\t}\t\t\t\tleaf events {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for general configuration, Virtual Routing (VR)\";\t\t\t}\t\t\t\tleaf mfc {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for MFC updates\";\t\t\t}\t\t\t\tleaf mib {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for MIB entries\";\t\t\t}\t\t\t\tleaf mtrace {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for MTRACE messages\";\t\t\t}\t\t\t\tleaf nexthop {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for RPF neighbor nexthop cache handling\";\t\t\t}\t\t\t\tleaf state {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for PIM states\";\t\t\t}\t\t\t\tleaf nsm {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for PIM nsm\";\t\t\t}\t\t\t\tleaf msdp {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for PIM msdp\";\t\t\t}\t\t\t\tcontainer packet {\t\t\t\tconfigd:help \"Enable PIM debugging for PIM packets\";\t\t\t\tleaf all {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for all PIM packets\";\t\t\t}\t\t\t\tleaf send {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for outgoing PIM packets\";\t\t\t}\t\t\t\tleaf recv {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for incoming PIM packets\";\t\t\t\t}\t\t\t}\t\t\t\tcontainer timer {\t\t\t\tconfigd:help \"Enable PIM debugging for PIM timers\";\t\t\t\tleaf all {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable PIM debugging for all PIM timers\";\t\t\t\tcontainer assert {\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for PIM assert timers\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for all PIM assert timers\";\t\t\t\t}\t\t\t\t\tleaf at {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for PIM Assert Timer\";\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer bsr {\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for PIM BSR timers\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for all PIM BSR timers\";\t\t\t\t}\t\t\t\t\tleaf bst {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for bootstrap Timer\";\t\t\t\t}\t\t\t\t\tleaf crp {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for the Candidate-RP timer\";\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer hello {\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM timers\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for all PIM hello timers\";\t\t\t\t}\t\t\t\t\tleaf ht {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for PIM Hello timer\";\t\t\t\t}\t\t\t\t\tleaf nlt {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for PIM Neighbor Liveliness timer\";\t\t\t\t}\t\t\t\t\tleaf tht {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for Triggered Hello Timer\";\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer joinprune {\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM JoinPrune timers\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for all PIM joinPrune timers\";\t\t\t\t}\t\t\t\t\tleaf et {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM JoinPrune expiry timer\";\t\t\t\t}\t\t\t\t\tleaf jt {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM

JoinPrune upstream Join Timer\";\t\t\t\t\t}\t\t\t\t\tleaf kat {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM JoinPrune Keep Alive timer\";\t\t\t\t\t}\t\t\t\t\tleaf ot {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM JoinPrune Upstream Override Timer\";\t\t\t\t\t}\t\t\t\t\tleaf ppt {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM JoinPrune timers PrunePending Timer\";\t\t\t\t\t}\t\t\t\t\tcontainer register {\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM register timer\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for all PIM register timers\";\t\t\t\t\t}\t\t\t\t\tleaf rst {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable Protocol Independent Multicast (PIM) debugging for various PIM Register Stop Timer\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\taugment /protocols:protocols {\t\t\tuses pim-parameters {\t\t\t\trefine pim {\t\t\t\t\tconfigd:end \"vyatta-pim 4\";\t\t\t}\t\t\trefine pim/register-source/interface {\t\t\t\tmust \"not(/*[local-name(.) = 'routing']\" +\t\t\t\t\t \"/*[local-name(.) = 'routing-instance']\" +\t\t\t\t\t \"/*[local-name(.) = 'interface']\" +\t\t\t\t\t \"/*[local-name(.) = 'name'][. = current()])\" {\t\t\t\terror-message \"Interface must not be configured in a routing instance\";\t\t\t}\t\t\t}\t\t\trefine pim/bsr-candidate/interface {\t\t\tmust \"not(/*[local-name(.) = 'routing']\" +\t\t\t\t\t \"/*[local-name(.) = 'routing-instance']\" +\t\t\t\t\t \"/*[local-name(.) = 'interface']\" +\t\t\t\t\t \"/*[local-name(.) = 'name'][. = current()])\" {\t\t\t\terror-message \"Interface must not be configured in a routing instance\";\t\t\t}\t\t\t}\t\t\trefine pim/rp-candidate/interface {\t\t\tmust \"not(/*[local-name(.) = 'routing']\" +\t\t\t\t\t \"/*[local-name(.) = 'routing-instance']\" +\t\t\t\t\t \"/*[local-name(.) = 'interface']\" +\t\t\t\t\t \"/*[local-name(.) = 'name'][. = current()])\" {\t\t\t\terror-message \"Interface must not be configured in a routing instance\";\t\t\t}\t\t\t}\t\t}\taugment /if:interfaces/interfaces-bridge:bridge/interfaces-bridge:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-l2tpeth:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-loopback:loopback/interfaces-loopback:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-openvpn:openvpn/interfaces-openvpn:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-tunnel:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-vti:vti/interfaces-vti:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-bonding:ip {\t\tuses pim-interface:pim4-interface-parameters {\t\trefine pim {\t\t\t\tconfigd:validate \"vyatta-pim-interface-validate 4 $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-pim-interface 4 $VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-interfaces-vif-v2\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-vif:2\" revision=\"2016-05-19\" format=\"yang\" length=\"4836\"module vyatta-interfaces-vif-v2 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-vif:2\";\tprefix vyatta-interfaces-vif-v2;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Vyatta system-level configuration utiliites, templates and scripts.\";\trevision 2016-05-19 {\t\tdescription \"Added status deprecated for host vif interface mtu.\";\t}\trevision 2016-03-28 {\t\tdescription \"Remove use of bash in action scripts\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 2.\";\t}\tgrouping vif-parameters {\t\tleaf description {\t\t\ttype string;\t\t\tconfigd:help \"Interface Description\";\t\t\tconfigd:update \"ip li set dev $VAR(../../@).$VAR(../@) alias '$VAR(@)'\";\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../../@).$VAR(../@) --delete-description\";\t\t}\t\t\tuses if:vif-parameters-base;\t}\tgrouping vif-group-body {\t\tleaf vlan {\t\t\ttype uint32 {\t\t\t\trange 1..4094;\t\t\t}\t\t\tconfigd:help \"Virtual Local Area Network (VLAN) ID [REQUIRED]\";\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --update-vlan\";\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --delete-vlan\";\t\t}\t\t\tleaf inner-vlan {\t\t\ttype uint32 {\t\t\t\trange 1..4094;\t\t\t}\t\t\tconfigd:help \"Virtual Local Area Network (VLAN) ID\";\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --update-ivlan\";\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --del-ivlan\";\t\t}\t\t\tleaf disable-link-detect {\t\t\ttype empty;\t\t\tconfigd:help \"Ignore link state changes\";\t\t\tconfigd:create \"vyatta-link-detect $VAR(../@) off\";\t\t\tconfigd:delete \"vyatta-link-detect $VAR(../@) on\";\t\t}\t\t\tuses vif-parameters;\t}\tgrouping vif-group-base {\t\tconfigd:validate \"vyatta-interfaces.pl --dev $VAR(@) --check-vifs\";\t\tlist vif

{\t\t\tconfigd:priority \"319\";\t\t\tconfigd:help \"Virtual Interface (VIF) ID\";\t\t\tconfigd:create \"vyatta-interfaces.pl --dev $VAR(../@) --create-vif $VAR(@)\";\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../@) --delete-vif $VAR(@)\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/vif/configd validate1.cli\";\t\t\tconfigd:end \"vyatta-intf-end $VAR(../@).$VAR(@)\";\t\t\tkey \"tagnode\";\t\t\tunique \"vlan inner-vlan\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\trange 1..99999 {\t\t\t\t}\t\t\t\tconfigd:help \"Virtual Interface (VIF) ID\";\t\t\t}\t\t\tuses vif-group-body;\t\t\tleaf mtu {\t\t\t\ttstatus deprecated;\t\t\t\ttype uint32 {\t\t\t\trange 68..9000;\t\t\t\t}\t\t\tconfigd:help \"Maximum Transmission Unit (MTU)\";\t\t\t}\t\t\tleaf-list address {\t\t\t\ttype if:address-dhcp;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"IP address\";\t\t\t\tconfigd:create \"vyatta-address add $VAR(../../@).$VAR(../@) $VAR(@)\";\t\t\t\tconfigd:allowed \"echo 'dhcp dhcpv6 <>'\";\t\t\t}\t\t}\t}\tgrouping vif-group {\tconfigd:validate \"vyatta-interfaces.pl --dev $VAR(@) --check-vifs\";\tlist vif {\tconfigd:priority \"319\";\tconfigd:help \"Virtual Interface (VIF) ID\";\tconfigd:create \"vyatta-interfaces.pl --dev $VAR(../@) --create-vif $VAR(@)\";\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../@) --delete-vif $VAR(@)\";\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/vif/configd validate1.cli\";\tconfigd:end \"vyatta-intf-end $VAR(../@).$VAR(@)\";\tkey \"tagnode\";\tunique \"vlan inner-vlan\";\tleaf tagnode {\t\t\ttype uint32 {\t\t\trange 1..99999 {\t\t\t}\t\tconfigd:help \"Virtual Interface (VIF) ID\";\t\t}\t\tuses vif-group-body;\t\tleaf mtu {\t\t\ttype uint32 {\t\t\trange 68..9000;\t\t\t}\t\tconfigd:priority \"382\";\t\tconfigd:help \"Maximum Transmission Unit (MTU)\";\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --set-mtu $VAR(@)\";\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --del-mtu 1500\";\t\t}\t\tleaf-list address {\t\t\ttype if:address-dhcp;\t\t\tordered-by \"user\";\t\t\tconfigd:help \"IP address\";\t\t\tconfigd:create \"vyatta-address add $VAR(../../@).$VAR(../@) $VAR(@)\";\t\t\tconfigd:allowed \"echo 'dhcp dhcpv6 <>'\";\t\t}\t}\t}\tgrouping vlan-proto-group {\tleaf vlan-protocol {\t\ttype enumeration {\t\t\tenum 0x8100;\t\t\tenum 0x88A8;\t\t\tenum 0x9100;\t\t\tenum 0x9200;\t\t\tenum 0x9300;\t\t\tconfigd:priority \"381\";\t\tconfigd:help \"Vlan Tag Protocol Identifier (default: 0x8100)\";\t\tdefault \"0x8100\";\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../@) --update-vlan-proto $VAR(@)\";\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../@) --update-vlan-proto 0x8100\";\t}\t}}</module<module name=\"vyatta-interfaces-openvpn-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-openvpn:1\" revision=\"2015-08-14\" format=\"yang\" length=\"9872\"module vyatta-interfaces-openvpn-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-openvpn:1\";\tprefix vyatta-interfaces-openvpn-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t The YANG module for vyatta-interfaces-openvpn-v1\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /if:interfaces {\t\tlist openvpn {\t\t\tconfigd:priority \"460\";\t\t\tconfigd:help \"OpenVPN tunnel interface name\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/configd end.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern \"vtun[0-9]+\" {\t\t\t\t\t\terror-message \"OpenVPN tunnel interface must be named \"vtun<num>\"\";\t\t\t\t\t}\t\t\t\t\tconfigd:pattern-help \"<vtunN>\";\t\t\t\t}\t\t\t\tconfigd:help \"OpenVPN tunnel interface name\";\t\t\t}\t\t\tleaf client-cert-not-required {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Client certificates not required\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/client-cert-not-required/configd validate1.cli\";\t\t\t}\t\t\tcontainer auth {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"OpenVPN authentication method\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/auth/configd_end.sh\";\t\t\t\tleaf-list ldap {\t\t\t\t\ttype string;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Service-User LDAP profile name\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/auth/ldap/configd allowed.sh\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/auth/ldap/configd validate1.cli\";\t\t\t\t}\t\t\t\tcontainer local {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Local Service User Authentication\";\t\t\t\t\tleaf-list group {\t\t\t\t\t\ttype string;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"Service-user group name\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/auth/local/group/configd allowed.sh\";\t\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/auth/local/group/configd validate1.cli\";\t\t\t\t\t}\t\t\t\t\tleaf-list user {\t\t\t\t\t\ttype string;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"Service User\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/auth/local/user/configd_allowed.sh\";\t\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/auth/local/user/configd validate1.cli\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Description for the interface\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/description/configd_delete.sh\";\t\t\t}\t\t\tleaf local-host {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"Local IP address to accept connections (all if not set)\";\t\t\t}\t\t\tleaf hash {\t\t\t\ttype enumeration {\t\t\t\t\tenum \"md5\" {\t\t\t\t\t\tconfigd:help \"MD5 algorithm\";\t\t\t\t\t}\t\t\t\t\tenum \"sha1\" {\t\t\t\t\t\tconfigd:help \"SHA-1 algorithm\";\t\t\t\t\t}\t\t\t\t\tenum \"sha256\" {\t\t\t\t\t\tconfigd:help \"SHA-256 algorithm\";\t\t\t\t\t}\t\t\t\t\tenum \"sha512\" {\t\t\t\t\t\tconfigd:help \"SHA-512 algorithm\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Hashing algorithm option\";\t\t\t}\t\t\tleaf disable {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Interface to be disabled\";\t\t\t}\t\t\tcontainer server {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Server-mode options\";\t\t\t\tlist client {\t\t\t\t\tconfigd:help \"Client-specific settings\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Client-specific settings\";\t\t\t\t\t}\t\t\t\t\tleaf ip {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tconfigd:help \"IP address of the client\";\t\t\t\t\t}\t\t\t\t\tleaf-list subnet {\t\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"Subnet belonging to the client\";\t\t\t\t\t}\t\t\t\t\tleaf disable {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Option to disable client connection\";\t\t\t\t\t}\t\t\t\t\tleaf-list push-route {\t\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"Route to be pushed to the

client\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf-list name-server {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Domain Name Server (DNS)\";\t\t\t\t}\t\t\t\t\tleaf subnet {\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\tconfigd:help \"Server-mode subnet (from which client IPs are allocated)\";\t\t\t\t}\t\t\t\t\tleaf max-connections {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..4096 {\t\t\t\t\t\t\terror-message \"must be between 1-4096\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Number of maximum client connections\";\t\t\t\t}\t\t\t\t\tleaf-list push-route {\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Route to be pushed to all clients\";\t\t\t\t}\t\t\t\t\tleaf topology {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"point-to-point\" {\t\t\t\t\t\t\tconfigd:help (null);\t\t\t\t\t\t}\t\t\t\t\t\tenum \"subnet\" {\t\t\t\t\t\t\tconfigd:help (null);\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Topology for clients\";\t\t\t\t}\t\t\t\tleaf domain-name {\t\t\t\ttype string {\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/server/domain-name/configd syntax1.cli\";\t\t\t\t}\t\t\t\t\tconfigd:help \"DNS suffix to be pushed to all clients\";\t\t\t\t}\t\t\t}\t\t\tleaf device-type {\t\t\t\ttype string {\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/device-type/configd_syntax1.cli\";\t\t\t\t}\t\t\t\tconfigd:help \"OpenVPN interface device-type\";\t\t\t}\t\t\tleaf shared-secret-key-file {\t\t\t\ttype string {\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/shared-secret-key-file/configd syntax1.cli\";\t\t\t\t}\t\t\t\tconfigd:help \"File containing the secret key shared with remote end of tunnel\";\t\t\t}\t\t\tleaf encryption {\t\t\t\ttype enumeration {\t\t\t\t\tenum \"des\" {\t\t\t\t\t\tconfigd:help \"DES algorithm\";\t\t\t\t\t}\t\t\t\t\tenum \"3des\" {\t\t\t\t\t\tconfigd:help \"DES algorithm with triple encryption\";\t\t\t\t\t}\t\t\t\t\tenum \"bf128\" {\t\t\t\t\t\tconfigd:help \"Blowfish algorithm with 128-bit key\";\t\t\t\t\t}\t\t\t\t\tenum \"bf256\" {\t\t\t\t\t\tconfigd:help \"Blowfish algorithm with 256-bit key\";\t\t\t\t\t}\t\t\t\t\tenum \"aes128\" {\t\t\t\t\t\tconfigd:help \"AES algorithm with 128-bit key\";\t\t\t\t\t}\t\t\t\t\tenum \"aes192\" {\t\t\t\t\t\tconfigd:help \"AES algorithm with 192-bit key\";\t\t\t\t\t}\t\t\t\t\tenum \"aes256\" {\t\t\t\t\t\tconfigd:help \"AES algorithm with 256-bit key\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Data encryption algorithm option\";\t\t\t}\t\t\tleaf-list remote-host {\t\t\t\ttype string;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Remote host to connect to (dynamic if not set)\";\t\t\t}\t\t\tleaf remote-port {\t\t\t\ttype uint32 {\t\t\t\trange 1..65535 {\t\t\t\t\terror-message \"Port must be between 1 and 65535\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:help \"Remote port number to connect to\";\t\t\t}\t\t\tleaf-list openvpn-option {\t\t\t\ttype string;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Additional OpenVPN options\";\t\t\t}\t\t\tleaf local-address {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Local IP address or network address\";\t\t\t}\t\t\tleaf remote-address {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"IP address of remote end of tunnel\";\t\t\t}\t\t\tcontainer tls {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Transport Layer Security (TLS) options\";\t\t\tleaf dh-file {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/tls/dh-file/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"File containing Diffie Hellman parameters (server only)\";\t\t\t\t}\t\t\t\tleaf role {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"active\" {\t\t\t\t\t\t\tconfigd:help \"Initiate TLS negotiation actively\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"passive\" {\t\t\t\t\t\t\tconfigd:help \"Waiting for TLS connections passively\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Role in TLS negotiation\";\t\t\t\t}\t\t\t\tleaf ca-cert-file {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/tls/ca-cert-file/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"File containing certificate for Certificate Authority (CA)\";\t\t\t\t}\t\t\tleaf cert-file {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/tls/cert-file/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"File containing certificate for this host\";\t\t\t\t}\t\t\tleaf key-file {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/tls/key-file/configd syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"File containing this host's private key\";\t\t\t\t}\t\t\tleaf crl-file {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/tls/crl-file/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"File containing certificate revocation list (CRL) for this host\";\t\t\t\t}\t\t\tleaf mode {\t\t\ttype enumeration {\t\t\t\tenum \"site-to-site\" {\t\t\t\t\tconfigd:help \"Site-to-site mode\";\t\t\t\t}\t\t\t\tenum \"client\" {\t\t\t\t\tconfigd:help \"Client in client-server mode\";\t\t\t\t}\t\t\t\tenum \"server\" {\t\t\t\t\tconfigd:help \"Server in client-server mode\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"OpenVPN mode of operation\";\t\t}\t\t\tcontainer replace-default-route {\t\t\t\tpresence \"true\";\t\t\tconfigd:help \"OpenVPN tunnel to be used as the default route\";\t\t\tleaf local {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Tunnel endpoints are on the same subnet\";\t\t\t}\t\t}\t\t\tleaf protocol {\t\t\ttype enumeration {\t\t\t\tenum \"udp\" {\t\t\t\t\tconfigd:help \"UDP\";\t\t\t\t}\t\t\t\tenum \"tcp-passive\" {\t\t\t\t\tconfigd:help \"TCP and accepts connections passively\";\t\t\t\t}\t\t\t\tenum \"tcp-active\" {\t\t\t\t\tconfigd:help \"TCP and initiates connections actively\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"OpenVPN communication protocol\";\t\t}\t\t\tleaf local-port {\t\t\ttype uint32 {\t\t\t\trange 1..65535 {\t\t\t\terror-message \"Port must be between 1 and 65535\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"Local port number to accept connections\";\t\t}\t\t\tcontainer ip {\t\t\tconfigd:help \"IPv4 parameters\";\t\t}\t\t\tcontainer ipv6 {\t\t\tpresence \"true\";\t\t\tconfigd:help \"IPv6 parameters\";\t\t}\t\t}}</module<module name=\"vyatta-system-login-radius-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-login-radius-routing-instance:1\" revision=\"2016-03-04\" format=\"yang\" length=\"1475\"module vyatta-system-login-radius-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-login-radius-routing-instance:1\";\tprefix vyatta-system-login-radius-routing-instance-v1;\timport vyatta-system-v1 {\tprefix system;\t}\timport vyatta-system-login-v1 {\t\tprefix system-login;\t} \timport vyatta-routing-v1 {\t\tprefix rt-instance;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\tPostal: 130 Holger Way\t\tSan Jose, CA 95134\t\tE-mail: support@Brocade.com\t\tWeb: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module for vyatta-system-login-radius-routing-instance-v1\";\trevision 2016-03-04 {\t\tdescription \"Add routing instance support to RADIUS\";\t}\taugment /rt-instance:routing/rt-instance:routing-instance/rt-instance:system/rt-instance:login {\tuses system-login:radius-server-group {\t\t\trefine radius-server {\t\t\t\tmust \"count(/system:system/system-login:login/system-login:radius-server) = 0\" {\t\t\t\t\terror-message \"Cannot also configure RADIUS in default routing-

instance\";\t\t\t\t}\t\t\t\tmust \"count(/rt-instance:routing/rt-instance:routing-instance[rt-instance:instance-name !=\" \t\t\t\t+ \"current()/../../../rt-instance:instance-name]/rt-instance:system/rt-instance:login/radius-server) = 0\" {\t\t\t\terror-message \"Cannot configure RADIUS in more than one routing-instance simultaneously\";\t\t\t\t}\t\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-static-routing-instance-inter-vrf-v1\"\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-static-routing-instance-inter-vrf:1\" revision=\"2016-07-18\" format=\"yang\" length=\"9755\"module vyatta-protocols-static-routing-instance-inter-vrf-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-static-routing-instance-inter-vrf:1\";\tprefix vyatta-protocols-static-routing-instance-inter-vrf-v1;\timport vyatta-protocols-static-routing-instance-v1 {\t\tprefix vyatta-static-routing-instance;\t}\timport vyatta-routing-v1 {\t\tprefix vyatta-routing;\t}\timport vyatta-protocols-static-v1 {\t\tprefix vyatta-static;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-instance-interfaces-v1 {\t\tprefix routing-instance-interfaces;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module package for\t\t vyatta-protocols-static-route-routing-instance-inter-vrf-v1\";\trevision 2016-07-18 {\t\tdescription \"Initial revision of version 1\";\t}\taugment /protocols:protocols/vyatta-static:static/vyatta-static:route {\t\tlist next-hop-routing-instance {\t\t\tconfigd:help \"Destination Routing Instance for the next-hop\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/route/next-hop-routing-instance/configd allowed.sh\";\t\t\tdescription \"Destination Routing Instance for the next-hop\";\t\t\tkey \"routing-instance\";\t\t\tuses vyatta-routing:routing-instance-or-default-leaf;\t\t\tuses vyatta-static:static-route-ipv4-next-hop {\t\t\t\trefine next-hop/interface {\t\t\t\t\tmust \"(1 = count(/vyatta-routing:routing/vyatta-routing:routing-instance[vyatta-routing:instance-name =\t\t\t\t\t\tcurrent()/../../routing-instance]/routing-instance-interfaces:interface[routing-instance-interfaces:name = current()]))\"{\t\t\t\t\t\terror-message \"next-hop interface doesn't belong to routing-instance\";\t\t\t\t\t}\t\t\t\t}\t\t\t\trefine next-hop {\t\t\t\t\tmust \"disable or \" +\t\t\t\t\t\t\"(distance != ../../vyatta-static:blackhole/vyatta-static:distance and \" +\t\t\t\t\t\t\"distance != ../../vyatta-static:unreachable/vyatta-static:distance and \" +\t\t\t\t\t\t\"count(../../../vyatta-static:interface-route[vyatta-static:tagnode = current()/../../vyatta-static:tagnode]/vyatta-static:next-hop-interface[vyatta-static:distance = current()/distance])\t\t\t\t\t\t= count(../../../vyatta-static:interface-route[vyatta-static:tagnode = current()/../../vyatta-static:tagnode]/vyatta-static:next-hop-interface[vyatta-static:distance = current()/distance]/disable))\" {\t\t\t\t\terror-message \"Must not configure same distance for next-hop, interface-route and blackhole/unreachable\"; \t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tmust \"routing-instance != 'default'\" {\t\t\t\terror-message \"inter-vrf route next-hop should be in a different routing-instance.\";\t\t\t}\t\t\tmust \"next-hop\" {\t\t\t\terror-message \"Must configure a next-hop.\";\t\t\t}\t\t\t}\t}\taugment /protocols:protocols/vyatta-static:static/vyatta-static:route6 {\t\tlist next-hop-routing-instance {\t\t\tconfigd:help \"Destination Routing Instance for the next-hop\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/route/next-hop-routing-instance/configd_allowed.sh\";\t\t\tdescription \"Destination Routing Instance for the next-hop\";\t\t\tkey \"routing-instance\";\t\t\tuses vyatta-routing:routing-instance-or-default-leaf;\t\t\tuses vyatta-static:static-route-ipv6-next-hop {\t\t\t\trefine next-hop/interface {\t\t\t\t\tmust \"(1 = count(/vyatta-routing:routing/vyatta-routing:routing-instance[vyatta-routing:instance-name =\t\t\t\t\t\tcurrent()/../../routing-instance]/routing-instance-interfaces:interface[routing-instance-interfaces:name = current()]))\"{\t\t\t\t\t\terror-message \"next-hop interface doesn't belong to routing-instance\";\t\t\t\t\t}\t\t\t\t}\t\t\t\trefine next-hop {\t\t\t\t\tmust \"disable or \" +\t\t\t\t\t\t\"(distance != ../../vyatta-static:blackhole/vyatta-static:distance and \" +\t\t\t\t\t\t\"distance != ../../vyatta-static:unreachable/vyatta-static:distance and \" +\t\t\t\t\t\t\"count(../../../vyatta-static:interface-route6[vyatta-static:tagnode = current()/../../vyatta-static:tagnode]/vyatta-static:next-hop-interface[vyatta-static:distance = current()/distance])\t\t\t\t\t\t= count(../../../vyatta-static:interface-route6[vyatta-static:tagnode = current()/../../vyatta-static:tagnode]/vyatta-static:next-hop-interface[vyatta-static:distance = current()/distance]/disable))\" {\t\t\t\t\terror-message \"Must not configure same distance for next-hop, interface-route and blackhole/unreachable\"; \t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tmust \"routing-instance != 'default'\" { \t\t\t\terror-message \"inter-vrf route next-hop should be in a different routing-instance.\";\t\t\t}\t\t\tmust \"next-hop\" {\t\t\t\terror-message \"Must configure a next-hop.\";\t\t\t}\t\t\t}\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-routing:protocols/vyatta-static-routing-instance:static/vyatta-static-routing-instance:route {\t\tlist next-hop-routing-instance {\t\t\tconfigd:help \"Destination Routing Instance for the next-hop\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/route/next-hop-routing-instance/configd_allowed.sh\";\t\t\tdescription \"Destination Routing Instance for the next-hop\";\t\t\tkey \"routing-instance\";\t\t\tuses vyatta-routing:routing-instance-or-default-leaf;\t\t\tuses vyatta-static:static-route-ipv4-next-hop {\t\t\t\trefine next-hop/interface {\t\t\t\tmust \"((current()/../../routing-instance = 'default') and \" +\t\t\t\t\t\"(0 = count(/vyatta-routing:routing/vyatta-routing:routing-instance/\t\t\t\t\trouting-instance-interfaces:interface[routing-instance-interfaces:name = current()]))) or \" + \t\t\t\t\t\"((current()/../../routing-instance != 'default') and \" +\t\t\t\t\t\"(1= count(/vyatta-routing:routing/vyatta-routing:routing-instance[vyatta-routing:instance-name = current()/../../routing-instance]/\t\t\t\t\trouting-instance-interfaces:interface[routing-instance-interfaces:name = current()])))\" {\t\t\t\t\terror-message \"next-hop interface doesn't belong to routing-instance\";\t\t\t\t}   \t}\t\t\t\trefine next-hop {\t\t\t\tmust \"disable or \" +\t\t\t\t\t\"(distance != ../../vyatta-static-routing-instance:blackhole/vyatta-static-routing-instance:distance and \" +\t\t\t\t\t\"distance != ../../vyatta-static-routing-instance:unreachable/vyatta-static-routing-instance:distance and \" +\t\t\t\t\t\"count(../../../vyatta-static-routing-instance:interface-route[vyatta-static-routing-instance:tagnode = current()/../../vyatta-static-routing-instance:tagnode]/vyatta-static-routing-instance:next-hop-interface[vyatta-static-routing-instance:distance = current()/distance])\t\t\t\t\t= count(../../../vyatta-static-routing-instance:interface-route[vyatta-static-routing-instance:tagnode = current()/../../vyatta-static-routing-instance:tagnode]/vyatta-static-routing-instance:next-hop-interface[vyatta-static-routing-instance:distance = current()/distance]/disable))\" {\t\t\t\t\terror-message \"Must not configure same distance for next-hop, interface-route and blackhole/unreachable\"; \t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tmust \"routing-instance != current()/../../../../vyatta-routing:instance-name\" {\t\t\terror-message \"inter-vrf route next-hop should be in a different routing-instance.\";\t\t\t}\t\t\tmust \"next-hop\" {\t\t\terror-message \"next-hop must be configured.\";\t\t\t}\t\t\t}\t}\taugment /vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-

routing:protocols/vyatta-static-routing-instance:static/vyatta-static-routing-instance:route6 {\t\tlist next-hop-routing-instance-v6 {\t\t\tconfigd:help \"Destination Routing Instance for the next-hop\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/route/next-hop-routing-instance/configd allowed.sh\";\t\t\tdescription \"Destination Routing Instance for the next-hop\";\t\t\tkey \"routing-instance\";\t\t\tuses vyatta-routing:routing-instance-or-default-leaf;\t\t\tuses vyatta-static:static/vyatta-static-route-ipv6-next-hop {\t\t\t\trefine next-hop/interface {\t\t\t\t\tmust \"((current()/../../routing-instance = 'default') and \" +\t\t\t\t\t\t\"(0 = count(/vyatta-routing:routing/vyatta-routing:routing-instance/\t\t\t\t\t\trouting-instance-interfaces:interface[routing-instance-interfaces:name = current()]))) or \" +\t\t\t\t\t\t\"((current()/../../routing-instance != 'default') and \" +\t\t\t\t\t\t\"(1= count(/vyatta-routing:routing/vyatta-routing:routing-instance[vyatta-routing:instance-name = current()/../../routing-instance]/\t\t\t\t\t\trouting-instance-interfaces:interface[routing-instance-interfaces:name = current()])))\" {\t\t\t\t\t\terror-message \"next-hop interface doesn't belong to routing-instance\";\t\t\t\t\t}\t\t\t\t}\t\t\t\trefine next-hop {\t\t\t\t\tmust \"disable or \" +\t\t\t\t\t\t\"(distance != ../../vyatta-static-routing-instance:blackhole/vyatta-static-routing-instance:distance and \" +\t\t\t\t\t\t\"distance != ../../vyatta-static-routing-instance:unreachable/vyatta-static-routing-instance:distance and \" +\t\t\t\t\t\t\"count(../../../vyatta-static-routing-instance:interface-route6[vyatta-static-routing-instance:tagnode = current()/../../vyatta-static-routing-instance:tagnode]/vyatta-static-routing-instance:next-hop-interface[vyatta-static-routing-instance:distance = current()/distance])\t\t\t\t\t\t= count(../../../vyatta-static-routing-instance:interface-route6[vyatta-static-routing-instance:tagnode = current()/../../vyatta-static-routing-instance:tagnode]/vyatta-static-routing-instance:next-hop-interface[vyatta-static-routing-instance:distance = current()/distance]/disable))\" {\t\t\t\t\t\terror-message \"Must not configure same distance for next-hop, interface-route and blackhole/unreachable\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tmust \"routing-instance != current()/../../../../vyatta-routing:instance-name\" {\t\t\t\terror-message \"inter-vrf route next-hop should be in a different routing-instance.\";\t\t\t}\t\t\tmust \"next-hop\" {\t\t\t\terror-message \"next-hop must be configured.\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-system-alg-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-alg-routing-instance:1\" revision=\"2016-04-14\" format=\"yang\" length=\"851\"module vyatta-system-alg-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-alg-routing-instance:1\";\tprefix vyatta-system-alg-routing-instance-v1;\timport vyatta-routing-v1 {\t\tprefix rt-instance;\t}\timport vyatta-system-alg-v1 {\t\tprefix vyatta-alg;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t YANG module for Vyatta ALG configuration and operation for\t\t routing instances.\";\trevision 2016-04-14 {\t\tdescription \"Initial revision.\";\t}\taugment /rt-instance:routing/rt-instance:routing-instance/rt-instance:system {\t\tuses vyatta-alg:alg-grouping;\t}}</module><module name=\"vyatta-resources-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-resources:1\" revision=\"2015-08-05\" format=\"yang\" length=\"663\"module vyatta-resources-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-resources:1\";\tprefix vyatta-resources-v1;\timport configd-v1 { prefix configd; }\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t \t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t This module implements vyatta-resources-v1.\";\trevision 2015-08-05 {\t\tdescription \"Initial revision of version 1.\";\t}\tcontainer resources {\tconfigd:help \"Port and address groups\";\t}}</module><module name=\"vyatta-protocols-interface-validation-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-interface-validation-routing-instance:1\" revision=\"2016-05-25\" format=\"yang\" length=\"2319\"module vyatta-protocols-interface-validation-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-interface-validation-routing-instance:1\";\tprefix vyatta-protocols-interface-validation-routing-instance-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-routing-instance-interfaces-v1 {\t\tprefix vyatta-routing-instance-if-v1;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for\t vyatta-protocols-interface-validation-routing-instance-v1\";\trevision 2016-05-25 {\tdescription \"Initial revision of version 1\";\t}\t/*\t * The following groupings originate from OSPFv2/v3 protocols.\t * Other protocols are free to use them or embed their\t * own \"must\" statements.\t */\tgrouping ospf-passive-intf-routing-inst {\tleaf-list passive-interface {\t\t/*\t\t * Leafref uses relative path, used in both OSPF and\t\t * OSPFv3 - re-use grouping with caution.\t\t */\t\t\ttype string;\t\t\tordered-by \"user\";\t\t\tmust \"not((current() = 'default') and (count(../passive-interface) > 1))\" {\t\t\t\terror-message \"Can't configure passive-interface 'default' with other interfaces\";\t\t\t}\t\t\tmust \"((current() = 'default') or (current() = /if:interfaces/*/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')] \"\t\t\t+ \"or /if:interfaces/*/*[local-name(.) = 'vif'][./../* = substring-before(current(), '.')]\"\t\t\t+ \"/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')][. = substring-after(current(), '.')]))\" {\t\t\t\terror-message \"Invalid interface name\";\t\t\t}\t\t}\t}\tgrouping ospf-passive-intf-exclude-routing-inst {\tleaf-list passive-interface-exclude {\t\t/*\t\t * Leafref uses relative path, used in both OSPF and\t\t * OSPFv3 - re-use grouping with caution.\t\t */\t\t\ttype leafref {\t\t\t\tpath \"../../../../vyatta-routing-instance-if-v1:interface/vyatta-routing-instance-if-v1:name\";\t\t\t}\t\t\tordered-by \"user\";\t\t\tmust \"(../passive-interface = 'default')\" {\t\t\t\terror-message \"Can't configure passive-interface-exclude without configuring passive-interface 'default'\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-service-dhcpv6-relay-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-dhcpv6-relay:1\" revision=\"2016-07-19\" format=\"yang\" length=\"2828\"module vyatta-service-dhcpv6-relay-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-dhcpv6-relay:1\";\tprefix vyatta-service-dhcpv6-relay-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-dhcpv6-relay-v1\";\trevision 2016-07-19 {\t\tdescription \"Switch the order of key tagnode and leaf tagnode.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping dhcpv6-relay-service {\t\tcontainer dhcpv6-relay {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"900\";\t\t\tconfigd:help \"DHCPv6 Relay Agent parameters\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/dhcpv6-

relay/configd_end.sh\";\t\t\tlist upstream-interface {\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/dhcpv6-relay/upstream-
interface/configd_allowed.sh\";\t\t\t\tconfigd:help \"Interface for DHCPv6 Relay Agent forward requests
out\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/dhcpv6-relay/upstream-
interface/configd_allowed.sh\";\t\t\t\t\tconfigd:help \"Interface for DHCPv6 Relay Agent forward requests
out\";\t\t\t\t}\t\t\t\tkey \"tagnode\";\t\t\t\tleaf address {\t\t\t\t\ttype types:ipv6-
address;\t\t\t\t\tconfigd:help \"IPv6 address to forward requests to\";\t\t\t\t}\t\t\t\tleaf max-hop-
count {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..255 {\t\t\t\t\t\terror-message \"Must be between 1 and
255\";\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Maximum hop count for which requests will be
processed\";\t\t\t}\t\t\tlist listen-interface {\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/dhcpv6-relay/listen-
interface/configd_allowed.sh\";\t\t\t\tconfigd:help \"Interface for DHCPv6 Relay Agent to listen for
requests\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/dhcpv6-relay/listen-
interface/configd_allowed.sh\";\t\t\t\t\tconfigd:help \"Interface for DHCPv6 Relay Agent to listen for
requests\";\t\t\t\t}\t\t\t\tkey \"tagnode\";\t\t\t\tleaf address {\t\t\t\t\ttype types:ipv6-
address;\t\t\t\t\tconfigd:help \"IPv6 address on listen-interface listen for requests
on\";\t\t\t\t}\t\t\t\t}\t\t\tleaf listen-port {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535
{\t\t\t\t\t\terror-message \"Must be between 1 and 65535\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"UDP
port to listen for requests on\";\t\t\t}\t\t\tleaf use-interface-id-option {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Option to set DHCPv6 interface-ID option\";\t\t\t}\t\t\t}\taugment
/service:service {\tuses dhcpv6-relay-service;\t}}</module<module name=\"vyatta-multicast-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-multicast:1\" revision=\"2016-06-20\" format=\"yang\"
length=\"8011\"module vyatta-multicast-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-multicast:1\";\tprefix
vyatta-multicast-v1;\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix
configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix
interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport
vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1
{\t\tprefix interfaces-loopback;\t}\timport vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-
openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-
vti-v1 {\t\tprefix interfaces-vti;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-
bonding;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t The YANG module for vyatta-multicast-v1-yang\";\trevision 2016-06-20
{\t\tdescription \"Reduced priority (increased value) for multicast container.\";\t}\trevision 2016-03-03
{\t\tdescription \"Add must statement to the log-warning leaf\t\t\tAdd must statements to replace local-only
validation\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping
multicast-interface-parameters {\t\tcontainer multicast {\t\t   configd:help \"Multicast\";\t\t\tleaf
ttl-threshold {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..255;\t\t\t\t}\t\t\t\tconfigd:help \"Time to live (TTL)
threshold\";\t\t\t}\t\t}\t}\tgrouping multicast-protocol-af-parameters {\t\tleaf routing {\t\t\ttype
empty;\t\t\tleaf route-limit {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..2147483647;\t\t\t}\t\t}\t\t\tconfigd:help
\"Limit number of multicast routes\";\t\t}\t\tleaf log-warning {\t\t\tmust \"../route-limit\" {\t\t\t\terror-
message \"route-limit must also be configured\";\t\t\t}\t\t\ttype uint32 {\t\t\t\trange
1..2147483647;\t\t\t}\t\t\tconfigd:help \"Threshold at which to generate a warning
message\";\t\t}\t\tcontainer log {\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable Multicast
Routing Information Base (MRIB) debugging for all multicast\";\t\t\t}\t\t\tleaf event {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Enable Multicast Routing Information Base (MRIB) debugging for multicast
events\";\t\t\t}\t\t\tleaf fib-msg {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable Multicast Routing
Information Base (MRIB) debugging for multicast FIB events\";\t\t\t}\t\t\tleaf mrib-msg {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Enable Multicast Routing Information Base (MRIB) debugging for multicast MRIB
events\";\t\t\t}\t\t\tleaf mrt {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable Multicast Routing
Information Base (MRIB) debugging for multicast route\";\t\t\t}\t\t\tleaf mtrace {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Enable Multicast Routing Information Base (MRIB) debugging for multicast
traceroute\";\t\t\t}\t\t\tleaf mtrace-detail {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable Multicast
Routing Information Base (MRIB) debugging for multicast traceroute messages\";\t\t\t}\t\t\tleaf nsm-msg
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable Multicast Routing Information Base (MRIB) debugging for
multicast NSM messages\";\t\t\t}\t\t\tleaf register-msg {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable
Multicast Routing Information Base (MRIB) debugging for multicast PIM Register messages\";\t\t\t}\t\t\tleaf
stats {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable Multicast Routing Information Base (MRIB) debugging
for multicast stats\";\t\t\t}\t\t\tleaf vif {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable Multicast
Routing Information Base (MRIB) debugging for multicast interface\";\t\t\t}\t\t}\t}\tgrouping multicast-
parameters {\t\tcontainer multicast {\t\t\tconfigd:priority \"650\";\t\t\tconfigd:help
\"Multicast\";\t\t\tcontainer ip {\t\t\t\tconfigd:help \"Internet Protocol (IP)\";\t\t\t\tuses multicast-
protocol-af-parameters {\t\t\t\t\trefine routing {\t\t\t\t\t\tconfigd:help \"Turn on IP Multicast
Routing\";\t\t\t\t\t}\t\t\t\t\trefine log {\t\t\t\t\t\tconfigd:help \"Internet Protocol (IP) logging
parameters\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer ipv6 {\t\t\t\tconfigd:help \"Internet Protocol
Version 6 (IPv6)\";\t\t\t\tuses multicast-protocol-af-parameters {\t\t\t\t\trefine routing
{\t\t\t\t\t\tconfigd:help \"Internet Protocol version 6 (IPv6) logging parameters\";\t\t\t\t
}\t\t\t\t\trefine log {\t\t\t\t\t\tconfigd:help \"Internet Protocol version 6 (IPv6) logging
parameters\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\taugment /protocols:protocols {\t\tuses multicast-parameters
{\t\t\trefine multicast/ip {\t\t\t\tconfigd:end \"vyatta-multicast 4\";\t\t\t}\t\t\trefine multicast/ipv6
{\t\t\t\tconfigd:end \"vyatta-multicast 6\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
bridge:bridge/interfaces-bridge:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast
{\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-
multicast-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane/interfaces-dataplane:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast
{\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-
multicast-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ip {\t\tuses multicast-interface-parameters
{\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate
$VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface
$VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-

l2tpeth:l2tpeth/interfaces-l2tpeth:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-l2tpeth:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface $VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-loopback:loopback/interfaces-loopback:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-openvpn:openvpn/interfaces-openvpn:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-tunnel:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-vti:vti/interfaces-vti:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-bonding:ip {\t\tuses multicast-interface-parameters {\t\t\trefine multicast {\t\t\t\tconfigd:validate \"vyatta-multicast-interface-validate $VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-multicast-interface $VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-openvpn-access-server-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-openvpn-access-server:1\" revision=\"2015-08-14\" format=\"yang\" length=\"1711\"module vyatta-openvpn-access-server-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-openvpn-access-server:1\";\tprefix vyatta-openvpn-access-server-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-openvpn-access-server-v1\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /if:interfaces/interfaces-openvpn:openvpn {\t\tcontainer remote-configuration {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Configure openvpn remote configuration\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/openvpn/remote-configuration/configd delete.sh\";\t\t\tleaf tunnel-username {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Optional username to establish tunnel (with autologin disabled)\";\t\t\t}\t\t\tleaf tunnel-password {\t\t\t\ttype string;\t\t\t\tconfigd:secret \"true\";\t\t\t\tconfigd:help \"Optional password to establish tunnel (with autologin disabled)\";\t\t\t}\t\t\tleaf password {\t\t\t\ttype string;\t\t\t\tconfigd:secret \"true\";\t\t\t\tconfigd:help \"Optional password to access remote openvpn configuration server\";\t\t\t}\t\t\tleaf username {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Optional username to access remote openvpn configuration server\";\t\t\t}\t\t\tleaf server {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Remote openvpn configuration server\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-pim-interface-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-pim-interface:1\" revision=\"2015-07-27\" format=\"yang\" length=\"4165\"module vyatta-protocols-pim-interface-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-pim-interface:1\";\tprefix vyatta-pim-interface-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-route;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-pim-interface-v1\";\trevision 2015-07-27 {\t\tdescription \"Initial version\";\t}\tgrouping pim-interface-parameters {\t\tconfigd:priority \"950\";\t\tleaf propagation-delay {\t\t\tconfigd:help \"Configure a propagation delay value\";\t\t\ttype enumeration {\t\t\t\tenum \"1000\";\t\t\t\tenum \"2000\";\t\t\t\tenum \"3000\";\t\t\t\tenum \"4000\";\t\t\t\tenum \"5000\";\t\t\t}\t\t}\t\tleaf unicast-bsm {\t\t\tconfigd:help \"Enable support for sending and receiving unicast Bootstrap Messages (BSM) on an interface\";\t\t\ttype empty;\t\t}\t\tcontainer state-refresh {\t\t\tpresence \"PIM State Refresh configuration\";\t\t\tconfigd:help \"PIM-DM State Refresh\";\t\t\tmust \"../mode = 'dense' or \" +\t\t\t\t\"../mode = 'dense-passive'\" {\t\t\t\terror-message \"state-refresh only valid with dense mode\";\t\t\t}\t\t\tleaf origination-interval {\t\t\t\tdescription \"Configure an origination interval value\";\t\t\t\tconfigd:help \"Configure an origination interval value\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..100;\t\t\t\t}\t\t\t\tmandatory true;\t\t\t}\t\t}\t\tleaf hello-interval {\t\t\tconfigd:help \"Configure a hello interval value\";\t\t\t/* Note: ../hello-holdtime implicitly depends upon this leaf\t\t *   and the existence of its default value.\t\t\t */\t\t\tmust \"current() <= ../hello-holdtime\" {\t\t\t\terror-message \"hello-interval shouldn't be greater than hello-holdtime\";\t\t\t}\t\t\ttype uint32 {\t\t\t\trange 1..18724;\t\t\t}\t\t\tdefault \"30\";\t\t}\t\tleaf bsr-border {\t\t\tconfigd:help \"Disable bootstrap router (BSR) messages from being sent or received through an interface\";\t\t\ttype empty;\t\t}\t\tleaf mode {\t\t\tconfigd:help \"PIM mode\";\t\t\tmandatory true;\t\t\ttype enumeration {\t\t\t\tenum \"sparse\" {\t\t\t\t\tconfigd:help \"Set sparse mode\";\t\t\t\t}\t\t\t\tenum \"dense\" {\t\t\t\t\tconfigd:help \"Set dense mode\";\t\t\t\t}\t\t\t\tenum \"sparse-passive\" {\t\t\t\t\tconfigd:help \"Set sparse passive mode\";\t\t\t\t}\t\t\t\tenum \"dense-passive\" {\t\t\t\t\tconfigd:help \"Set dense passive mode\";\t\t\t\t}\t\t\t}\t\t}\t\tleaf hello-holdtime {\t\t\tconfigd:help \"Configure a hello holdtime value\";\t\t\t/*\t\t * Note: this leaf depends upon ../hello-interval.\t\t * Since hello-interval has a default value it should\t\t *   always be present, so no formal constraint is required.\t\t */\t\t\ttype uint32 {\t\t\t\trange 1..65535;\t\t\t}\t\t\tdefault \"105\";\t\t}\t\tleaf dr-priority {\t\t\tconfigd:help \"Set the designated router's priority value\";\t\t\ttype uint32 {\t\t\t\trange 0..max;\t\t\t}\t\t}\t\tleaf exclude-genid {\t\t\tconfigd:help \"Exclude the GenID (generated ID) option from Hello packets on an interface\";\t\t\ttype empty;\t\t}\t}\tgrouping pim4-interface-parameters {\t\tcontainer pim {\t\t\tconfigd:help \"Protocol Independent Multicasting (PIM)\";\t\t\tpresence \"IPV4 PIM interface parameters\";\t\t\tuses pim-interface-parameters;\t\t\tleaf neighbor-filter {\t\t\t\tconfigd:help \"Enable filtering of neighbors on the interface\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..99;\t\t\t\t}\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\"

{\t\t\t\t\terror-message \"access-list has not been configured\";\t\t\t\t}\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/pim/neighbor-filter/configd allowed.sh\";\t\t\t}\t\t}\t}\tgrouping pim6-interface-parameters {\t\tcontainer pim {\t\t\tconfigd:help \"Protocol Independent Multicasting (PIM)\";\t\t\tpresence \"IPV6 PIM interface parameters\";\t\t\tuses pim-interface-parameters;\t\t\tleaf neighbor-filter {\t\t\t\tconfigd:help \"Enable filtering of neighbors on the interface\";\t\t\t\ttype leafref {\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list6/policy-route:tagnode\";\t\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-rip-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-rip:1\" revision=\"2016-06-17\" format=\"yang\" length=\"26087\"module vyatta-protocols-rip-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-rip:1\";\tprefix vyatta-protocols-rip-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\t\tprefix interfaces-loopback;\t}\timport vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-vti-v1 {\t\tprefix interfaces-vti;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-route;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-rip-v1\";\trevision 2016-06-17 {\t\tdescription \"Relax interface validation to allow non-existing interface\";\t}\trevision 2016-02-17 {\t\tdescription \"Grouping containers 'rip' and 'packet'\";\t}\trevision 2014-08-06 {\t\tdescription \"Initial revision of version 1\";\t}\tgrouping rip-protocol {\t\tcontainer rip {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"650\";\t\t\tconfigd:help \"Routing Information Protocol (RIP) parameters\";\t\t\tdescription \"Routing Information Protocol (RIP) parameters\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/configd_create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/configd_delete.sh\";\t\t\tleaf-list route {\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"RIP static route\";\t\t\t\tdescription \"RIP static route\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/route/configd_create1.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/route/configd_delete1.cli\";\t\t\t}\t\t\tcontainer timers {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"RIP timer values\";\t\t\t\tdescription \"RIP timer values\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/rip/timers/configd end.sh\";\t\t\t\tleaf garbage-collection {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 5..2147483647 {\t\t\t\t\t\t\terror-message \"Garbage collection timer must be between 5 and 2147483647\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"120\";\t\t\t\t\tconfigd:help \"Garbage collection timer\";\t\t\t\t\tdescription \"Garbage collection timer\";\t\t\t\t}\t\t\t\tleaf update {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 5..2147483647 {\t\t\t\t\t\t\terror-message \"Update timer must be between 5 and 2147483647\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"30\";\t\t\t\t\tconfigd:help \"Routing table update timer\";\t\t\t\t\tdescription \"Routing table update timer\";\t\t\t\t}\t\t\t\tleaf timeout {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 5..2147483647 {\t\t\t\t\t\t\terror-message \"Timeout timer must be between 5 and 2147483647\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"180\";\t\t\t\t\tconfigd:help \"Routing information timeout timer\";\t\t\t\t\tdescription \"Routing information timeout timer\";\t\t\t\t}\t\t\t}\t\t\tcontainer distribute-list {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Filter networks in routing updates\";\t\t\tdescription \"Filter networks in routing updates\";\t\t\tcontainer access-list {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Access list\";\t\t\t\tdescription \"Access list\";\t\t\t\tleaf out {\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Access list to apply to output packets\";\t\t\t\t\tdescription \"Access list to apply to output packets\";\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/access-list/out/configd_update1.cli\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/access-list/out/configd_delete1.cli\";\t\t\t\t}\t\t\t\tleaf in {\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Access list to apply to input packets\";\t\t\t\t\tdescription \"Access list to apply to input packets\";\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/access-list/in/configd_update1.cli\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/access-list/in/configd delete1.cli\";\t\t\t\t}\t\t\t}\t\t\tlist interface {\t\t\t\tconfigd:help \"Apply filtering to an interface\";\t\t\t\tdescription \"Apply filtering to an interface\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/interface/configd_allowed.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:interface-ifname;\t\t\t\t\tconfigd:help \"Apply filtering to an interface\";\t\t\t\t\tdescription \"Apply filtering to an interface\";\t\t\t\t}\t\t\t\tcontainer access-list {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Access list\";\t\t\t\t\tdescription \"Access list\";\t\t\t\t\tleaf out {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Access list to apply to output packets\";\t\t\t\t\t\tdescription \"Access list to apply to output packets\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/interface/access-list/out/configd update1.cli\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/interface/access-list/out/configd delete1.cli\";\t\t\t\t\t}\t\t\t\t\tleaf in {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Access list to apply to input packets\";\t\t\t\t\t\tdescription \"Access list to apply to input packets\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/interface/access-list/in/configd update1.cli\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/interface/access-list/in/configd_delete1.cli\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer prefix-list {\t\t\t\tpresence

\"true\";\t\t\t\t\tconfigd:help \"Prefix-list\";\t\t\t\t\tdescription \"Prefix-list\";\t\t\t\t\tleaf
out {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-
route:prefix-list/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Prefix-list to apply to
output packets\";\t\t\t\t\t\tdescription \"Prefix-list to apply to output
packets\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-
list/interface/prefix-list/out/configd_update1.cli\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/interface/prefix-
list/out/configd delete1.cli\";\t\t\t\t\t}\t\t\t\t\t\tleaf in {\t\t\t\t\t\ttype leafref
{\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:prefix-list/policy-
route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Prefix-list to apply to input
packets\";\t\t\t\t\t\tdescription \"Prefix-list to apply to input packets\";\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/interface/prefix-
list/in/configd_update1.cli\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/interface/prefix-
list/in/configd delete1.cli\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer prefix-list
{\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Prefix-list\";\t\t\t\t\tdescription \"Prefix-
list\";\t\t\t\t\tleaf out {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-
route:route/policy-route:prefix-list/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Prefix-
list to apply to output packets\";\t\t\t\t\t\tdescription \"Prefix-list to apply to output
packets\";\t\t\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/prefix-
list/out/configd update1.cli\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/prefix-
list/out/configd_delete1.cli\";\t\t\t\t\t}\t\t\t\t\t\tleaf in {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath
\"/policy:policy/policy-route:route/policy-route:prefix-list/policy-
route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Prefix-list to apply to input
packets\";\t\t\t\t\t\tdescription \"Prefix-list to apply to input packets\";\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/prefix-
list/in/configd_update1.cli\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/distribute-list/prefix-
list/in/configd_delete1.cli\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tleaf-list passive-interface {\t\t\t\ttype
types:interface-ifname;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Suppress routing updates on an
interface\";\t\t\t\tdescription \"Suppress routing updates on an interface\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/rip/passive-interface/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/passive-interface/configd_delete.sh\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/rip/passive-interface/configd allowed.sh\";\t\t\t}\t\t\tleaf
default-metric {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..16 {\t\t\t\t\t\terror-message \"Must be between 1-
16\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Metric of redistributed routes\";\t\t\t\tdescription \"Metric
of redistributed routes\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/default-
metric/configd_update1.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/default-
metric/configd_delete1.cli\";\t\t\t}\t\t\tleaf-list interface {\t\t\t\ttype types:interface-
ifname;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Interface name\";\t\t\t\tdescription \"Interface
name\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/rip/interface/configd allowed.sh\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/rip/interface/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/interface/configd_delete.sh\";\t\t\t}\t\t\tleaf-list neighbor
{\t\t\t\ttype types:ipv4-address;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Neighbor
router\";\t\t\t\tdescription \"Neighbor router\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/rip/neighbor/configd create1.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/neighbor/configd_delete1.cli\";\t\t\t}\t\t\tcontainer
redistribute {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Redistribute information from another routing
protocol\";\t\t\t\tdescription \"Redistribute information from another routing protocol\";\t\t\t\tcontainer
bgp {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute BGP routes\";\t\t\t\t\tdescription
\"Redistribute BGP routes\";\t\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/rip/redistribute/configd redist end.cli\";\t\t\t\t\tleaf route-map
{\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-
map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map
reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\t\tleaf metric
{\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1
and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed
routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer
kernel {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute kernel
routes\";\t\t\t\t\tdescription \"Redistribute kernel routes\";\t\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/rip/redistribute/configd_redist_end.cli\";\t\t\t\t\tleaf route-map
{\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-
map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map
reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\t\tleaf metric
{\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1
and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed
routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer
connected {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute connected
routes\";\t\t\t\t\tdescription \"Redistribute connected routes\";\t\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/rip/redistribute/configd_redist_end.cli\";\t\t\t\t\tleaf route-map
{\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-
map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map
reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\t\tleaf metric
{\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1
and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed
routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer
static {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute static
routes\";\t\t\t\t\tdescription \"Redistribute static routes\";\t\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/rip/redistribute/configd redist end.cli\";\t\t\t\t\tleaf route-map
{\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-
map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map
reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\t\tleaf metric

{\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1 and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer ospf {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Redistribute OSPF routes\";\t\t\t\t\tdescription \"Redistribute OSPF routes\";\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/rip/redistribute/configd_redist_end.cli\";\t\t\t\t\tleaf route-map {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Route map reference\";\t\t\t\t\t\tdescription \"Route map reference\";\t\t\t\t\t}\t\t\t\t\tleaf metric {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..16 {\t\t\t\t\t\t\t\terror-message \"metric must be between 1 and 16\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t\t\t\t\tdescription \"Metric for redistributed routes\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t}\t\t\tcontainer default-information {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Control distribution of default route\";\t\t\tdescription \"Control distribution of default route\";\t\t\tleaf originate {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Distribute a default route\";\t\t\t\tdescription \"Distribute a default route\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/default-information/originate/configd_create1.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/default-information/originate/configd_delete1.cli\";\t\t\t}\t\t\t}\t\t\tlist network-distance {\t\t\tconfigd:help \"Administrative distance for network\";\t\t\tdescription \"Administrative distance for network\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Source network prefix\";\t\t\t\tdescription \"Source network prefix\";\t\t\t}\t\t\tleaf distance {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..255;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Administrative distance for network\";\t\t\t\tdescription \"Administrative distance for network\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/network-distance/distance/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/network-distance/distance/configd_delete.sh\";\t\t\t}\t\t\tleaf access-list {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Access list\";\t\t\t\tdescription \"Access list\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/network-distance/access-list/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/network-distance/access-list/configd_delete.sh\";\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\terror-message \"Invalid access-list name\";\t\t\t\t}\t\t\t\tmust \"../distance\" {\t\t\t\t   error-message \"Please issue 'set protocols rip network-distance <> distance <>' before adding 'access-list', or 'delete protocols rip network-distance <> access-list <>' before deleting 'distance'\";\t\t\t\t}\t\t\t}\t\t\tleaf version {\t\t\ttype uint32 {\t\t\t\trange 1..2 {}\t\t\t\t}\t\t\tconfigd:help \"RIP version\";\t\t\tdescription \"RIP version\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/version/configd_update.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/version/configd_delete.sh\";\t\t\t}\t\t\tleaf default-distance {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..255 {\t\t\t\t\t\terror-message \"must be between 1 and 255\";\t\t\t\t\t}\t\t\t\t}\t\t\tconfigd:help \"Administrative distance\";\t\t\tdescription \"Administrative distance\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/rip/default-distance/configd_update1.cli\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/default-distance/configd_delete1.cli\";\t\t\t}\t\tleaf-list network {\t\t\ttype union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype types:ipv4-prefix;\t\t\t}\t\t\tordered-by \"user\";\t\t\tconfigd:help \"RIP network\";\t\t\tdescription \"RIP network\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/network/configd_create1.cli\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/network/configd_delete1.cli\";\t\t}\t\t\tcontainer log {\t\t\t\tconfigd:help \"RIP logging parameters\";\t\t\tdescription \"RIP logging parameters\";\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable all RIP logs\";\t\t\t\tdescription \"Enable all RIP logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/log/configd_delete.sh\";\t\t\t}\t\t\tleaf events {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIP events logs\";\t\t\t\tdescription \"Enable RIP events logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/log/configd_delete.sh\";\t\t\t}\t\t}\t}\tgrouping rip-log-packet {\t\tcontainer packet {\t\t\tconfigd:help \"RIP packet logs\";\t\t\tdescription \"RIP packet logs\";\t\t\tleaf all {\t\t\ttype empty;\t\t\tconfigd:help \"Enable RIP packet all logs\";\t\t\tdescription \"Enable RIP packet all logs\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/log/packet/configd_create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/log/packet/configd_delete.sh\";\t\t\t}\t\t\tleaf send {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIP packet send logs\";\t\t\t\tdescription \"Enable RIP packet send logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/log/packet/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/log/packet/configd_delete.sh\";\t\t\t}\t\t\tleaf recv {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIP packet recv logs\";\t\t\t\tdescription \"Enable RIP packet recv logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/log/packet/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/log/packet/configd_delete.sh\";\t\t\t}\t\t\tleaf detail {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIP packet detail logs\";\t\t\t\tdescription \"Enable RIP packet detail logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rip/log/packet/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rip/log/packet/configd_delete.sh\";\t\t\t}\t\t}\t}\tgrouping itf-ip-rip {\t\tcontainer rip {\t\t\tconfigd:help \"Routing Information Protocol (RIP)\";\t\t\tdescription \"Routing Information Protocol (RIP)\";\t\t\tcontainer split-horizon {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Split horizon parameters\";\t\t\tdescription \"Split horizon parameters\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/split-horizon/configd_end.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/split-horizon/configd_delete.sh\";\t\t\tleaf poison-reverse {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable poison reverse for split-horizon\";\t\t\t\tdescription \"Enable poison reverse for split-

```
horizon\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/split-
horizon/poison-reverse/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/split-horizon/poison-
reverse/configd delete.sh\";\t\t\t\tmust \"not(../disable)\" {\t\t\t\t\t    error-message \"You cannot
have 'split-horizon poison-reverse' enabled with 'split-horizon disabled' on the same
interface\";\t\t\t\t}\t\t\t\t}\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable
split horizon on specified interface\";\t\t\t\tdescription \"Disable split horizon on specified
interface\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/split-
horizon/disable/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/split-
horizon/disable/configd_delete.sh\";\t\t\t\tmust \"not(../poison-reverse)\" {\t\t\t\t\t    error-message
\"You cannot have 'split-horizon poison-reverse' enabled with 'split-horizon disabled' on the same
interface\";\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer receive {\t\t\t\tpresence
\"true\";\t\t\tconfigd:help \"RIP Advertisement receive options\";\t\t\t\tdescription \"RIP Advertisement
receive options\";\t\t\t\tleaf version {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"1\";\t\t\t\t\t\tenum
\"2\";\t\t\t\t\tenum \"both\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Receive specified version of RIP packets
on an interface\";\t\t\t\tdescription \"Receive specified version of RIP packets on an
interface\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/receive/version/configd_update.sh\";\t\t\t\tconfigd:d
elete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/receive/version/configd delete.sh\";\t\t\t}\t\t\t}\t\t
\t\tcontainer authentication {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Authentication
method\";\t\t\t\tdescription \"Authentication method\";\t\t\t\tleaf plaintext-password {\t\t\t\t\ttype string
{\t\t\t\t\tpattern '[^\\t\\n\\r ]{1,16}' {\t\t\t\t\t\terror-message \"Password must be 16 characters or
less\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:secret \"true\";\t\t\t\tconfigd:help \"Plain text
password\";\t\t\t\tdescription \"Plain text password\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/authentication/plaintext-
password/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/authentication/plaintext-
password/configd_delete.sh\";\t\t\t\tmust \"not(../md5)\" {\t\t\t\t\t    error-message \"md5 password
already set\";\t\t\t\t}\t\t\t\t}\t\t\t\tlist md5 {\t\t\t\tconfigd:help \"MD5 authentication
parameters\";\t\t\t\tdescription \"MD5 authentication parameters\";\t\t\t\tmust \"not(../plaintext-
password)\" {\t\t\t\t\t    error-message \"plaintext-password already set\";\t\t\t\t}\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..255
{\t\t\t\t\t\terror-message \"ID must be between 1 and
255\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"MD5 authentication
parameters\";\t\t\t\t\tdescription \"MD5 authentication parameters\";\t\t\t\t}\t\t\t\tleaf password
{\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[^\\t\\n\\r ]{1,16}' {\t\t\t\t\t\terror-message \"MD5
key must be 16 characters or less\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Authentication
password\";\t\t\t\t\tdescription \"Authentication password\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/authentication/md5/password/configd update.sh\";\t\t\t\
t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/authentication/md5/password/configd delete.sh\";\t\t\t\
t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer send {\t\t\t\tpresence \"true\";\t\t\tconfigd:help \"RIP Advertisement
transmission options\";\t\t\t\tdescription \"RIP Advertisement transmission options\";\t\t\t\tleaf version
{\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"1\";\t\t\t\t\t\tenum \"2\";\t\t\t\t\tenum
\"both\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Send specified version of RIP packets on an
interface\";\t\t\t\t\tdescription \"Send specified version of RIP packets on an
interface\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/send/version/configd_update.sh\";\t\t\t\tconfigd:dele
te
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/rip/send/version/configd delete.sh\";\t\t\t}\t\t\t}\t\t}\
t}\taugment /protocols:protocols {\t\tuses rip-protocol;\t}\taugment /protocols:protocols/rip/log {\t\tleaf
rib {\t\t\ttype empty;\t\t\tconfigd:help \"Enable RIP rib logs\";\t\t\tdescription \"Enable RIP rib
logs\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/rip/log/configd_create.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/log/configd_delete.sh\";\t\t}\t\tleaf nsm {\t\t\ttype
empty;\t\t\tconfigd:help \"Enable RIP nsm logs\";\t\t\tdescription \"Enable RIP nsm
logs\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/rip/log/configd create.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/rip/log/configd_delete.sh\";\t\t}\t\tuses rip-log-
packet;\t}\taugment /if:interfaces/interfaces-bridge:bridge/interfaces-bridge:ip {\t\tuses itf-ip-
rip;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ip {\t\tuses itf-ip-
rip;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-
dataplane:ip {\t\tuses itf-ip-rip;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-
l2tpeth:ip {\t\tuses itf-ip-rip;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-
l2tpeth:vif/interfaces-l2tpeth:ip {\t\tuses itf-ip-rip;\t}\taugment /if:interfaces/interfaces-
loopback:loopback/interfaces-loopback:ip {\t\tuses itf-ip-rip;\t}\taugment /if:interfaces/interfaces-
openvpn:openvpn/interfaces-openvpn:ip {\t\tuses itf-ip-rip;\t}\taugment /if:interfaces/interfaces-
tunnel:tunnel/interfaces-tunnel:ip {\t\tuses itf-ip-rip;\t}\taugment /if:interfaces/interfaces-
vti:vti/interfaces-vti:ip {\t\tuses itf-ip-rip;\t}\taugment /if:interfaces/interfaces-
bonding:bonding/interfaces-bonding:ip {\t\tuses itf-ip-rip;\t}\taugment /if:interfaces/interfaces-
bonding:bonding/interfaces-bonding:vif/interfaces-bonding:ip {\t\tuses itf-ip-rip;\t}}</module<module
name=\"vyatta-protocols-static-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-static:1\" revision=\"2016-07-
13\" format=\"yang\" length=\"18348\"module vyatta-protocols-static-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-protocols-static:1\";\tprefix vyatta-protocols-static-v1;\timport vyatta-types-
v1 {\t\tprefix types;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix
configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t Postal: 130 Holger Way\t\t      San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t This module implements vyatta-protocols-static-v1.\";\trevision 2016-07-13
{\t\tdescription \"Removing yang grammar validation for table ipv4 next-hop node\";\t}\trevision 2016-06-24
{\t\tdescription \"Add config priority to static arp\";\t}\trevision 2016-05-02 {\t\tdescription \"Adding
yang grammar validation and grouping ipv4/v6 next-hop node\";\t}\trevision 2014-08-06 {\t\tdescription
```

\"Initial revision of version 1\";\t}\tgrouping static-route-distance {\t\tleaf distance {\t\t\ttype uint32 {\t\t\t\trange 1..255;\t\t\t}\t\t\tconfigd:help \"Distance value for this route\";\t\t\tdescription \"Distance value for this route\";\t\t\tdefault \"1\";\t\t}\t}\tgrouping static-route-interface {\t\tleaf interface {\t\t\ttype string;\t\t\tconfigd:help \"Outgoing interface\";\t\t\tdescription \"Outgoing interface\";\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all \";\t\t}\t}\tgrouping static-route-disable {\t\tleaf disable {\t\t\ttype empty;\t\t\tconfigd:help \"Disable IPv4 next-hop static route\";\t\t\tdescription \"Disable IPv4 next-hop static route\";\t\t}\t}\t\t\t// This grouping has dependency on the external route list node referenced via a relative path.\tgrouping static-route-ipv4-next-hop {\t\tlist next-hop {\t\t\tconfigd:help \"Next-hop router\";\t\t\tdescription \"Next-hop router\";\t\t\tmust \"disable or \" +\t\t\t\"(distance != ../blackhole/distance and \" +\t\t\t\"distance != ../unreachable/distance and \" +\t\t\t\"count(../../interface-route[tagnode = current()/../tagnode]/next-hop-interface[distance = current()/distance]) \t\t\t= count(../../interface-route[tagnode = current()/../tagnode]/next-hop-interface[distance = current()/distance]/disable))\" {\t\t\t\terror-message \"Must not configure same distance for next-hop, interface-route and blackhole/unreachable\";\t\t\t}\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/route/next-hop/configd end.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype types:ipv4-address;\t\t\t\t// Not loopback multicast or broadcast.\t\t\t\tmust \"(not(starts-with(., '127.'))) and \" +\t\t\t\t\t\"((substring-before(., '.') < 224) or \" +\t\t\t\t\t\"(substring-before(., '.') >=240)) and \" +\t\t\t\t\t\"(not(starts-with(., '255.255.255.255')))\" {\t\t\t\t\terror-message \"next-hop shouldn't be a loopback, multicast or broadcast address.\";\t\t\t\t}\t\t\t\tconfigd:help \"Next-hop router\";\t\t\t\tdescription \"Next-hop router\";\t\t\t}\t\t\tuses static-route-disable;\t\t\tuses static-route-interface;\t\t\tuses static-route-distance;\t\t}\t}\t// This grouping has dependency on the external route6 list node referenced via a relative path.\tgrouping static-route-ipv6-next-hop {\t\tlist next-hop {\t\t\tconfigd:help \"Next-hop IPv6 router\";\t\t\tdescription \"Next-hop IPv6 router\";\t\t\tmust \"disable or \" +\t\t\t\"(distance != ../blackhole/distance and \" +\t\t\t\"distance != ../unreachable/distance and \" +\t\t\t\"count(../../interface-route6[tagnode = current()/../tagnode]/next-hop-interface[distance = current()/distance]) \t\t\t= count(../../interface-route6[tagnode = current()/../tagnode]/next-hop-interface[distance = current()/distance]/disable))\" {\t\t\t\terror-message \"Must not configure same distance for next-hop, interface-route and blackhole/unreachable\";\t\t\t}\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/route6/next-hop/configd_end.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype types:ipv6-address;\t\t\t\t// Not multicast loopback or Unspecified.\t\t\t\tmust \"(not(starts-with(., 'ff'))) and \" +\t\t\t\t\t\"(not(. = '::1')) and \" +\t\t\t\t\t\"(not(. = '::'))\" {\t\t\t\t\terror-message \"next-hop shouldn't be multicast, loopback or unspecified.\";\t\t\t\t}\t\t\t\tconfigd:help \"Next-hop IPv6 router\";\t\t\t\tdescription \"Next-hop IPv6 router\";\t\t\t}\t\t\tuses static-route-disable;\t\t\tuses static-route-interface;\t\t\tuses static-route-distance;\t\t}\t}\tgrouping static-route {\t\tcontainer static {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"450\";\t\t\tconfigd:help \"static route parameters\";\t\t\tlist table {\t\t\t\tconfigd:help \"Policy route table number\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..128 {\t\t\t\t\t\t\terror-message \"Table value must be in the range (1-128)\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Policy route table number\";\t\t\t\t}\t\t\t\tlist route {\t\t\t\t\tconfigd:help \"Static route\";\t\t\t\t\tmust \"next-hop or blackhole or unreachable\" {\t\t\t\t\t\terror-message \"Must add either a next-hop or blackhole/unreachable\";\t\t\t\t\t}\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Static route\";\t\t\t\t\t}\t\t\t\t\tlist next-hop {\t\t\t\t\t\tconfigd:help \"Next-hop router [REQUIRED]\";\t\t\t\t\t\tmust \"disable or \" + \t\t\t\t\t\t\t\"(distance != ../blackhole/distance and \" + \t\t\t\t\t\t\t\"distance != ../unreachable/distance and \" +\t\t\t\t\t\t\t\"count(../../interface-route[tagnode = current()/../tagnode]/next-hop-interface[distance = current()/distance]) = count(../../interface-route[tagnode = current()/../tagnode]/next-hop-interface[distance = current()/distance]/disable))\" {\t\t\t\t\t\t\terror-message \"Must not configure same distance for next-hop, interface-route and blackhole/unreachable\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/table/route/next-hop/configd end.sh\";\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\t\tconfigd:help \"Next-hop router [REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf disable {\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\tconfigd:help \"Disable IPv4 next-hop static route\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf interface {\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\tconfigd:help \"Outgoing interface\";\t\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all\";\t\t\t\t\t\t}\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t}\t\t\t\t\tcontainer blackhole {\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\tconfigd:help \"Silently discard pkts when matched\";\t\t\t\t\t\tmust \"not(../unreachable)\" {\t\t\t\t\t\t\terror-message \"Must not configure both blackhole and unreachable\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/table/route/blackhole/configd_end.sh\";\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t}\t\t\t\t\tcontainer unreachable {\t\t\t\t\t\tpresence \"Indicates an unreachable route\";\t\t\t\t\t\tconfigd:help \"Discard packets with ICMP unreachable\";\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/table/route/unreachable/configd_end.sh\";\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t}\t\t\t\t}\t\t\t\tlist route6 {\t\t\t\t\tconfigd:help \"Static IPv6 route\";\t\t\t\t\tmust \"next-hop or blackhole or unreachable\" {\t\t\t\t\t\terror-message \"Must add either a next-hop or blackhole/unreachable\";\t\t\t\t\t}\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\t\t\tconfigd:normalize \"normalize ipv6-prefix\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Static IPv6 route\";\t\t\t\t\t}\t\t\t\t\tlist next-hop {\t\t\t\t\t\tconfigd:help \"Next-hop IPv6 router [REQUIRED]\";\t\t\t\t\t\tmust \"disable or \" + \t\t\t\t\t\t\t\"(distance != ../blackhole/distance and \" + \t\t\t\t\t\t\t\"distance != ../unreachable/distance and \" +\t\t\t\t\t\t\t\"count(../../interface-route6[tagnode = current()/../tagnode]/next-hop-interface[distance = current()/distance]) = count(../../interface-route6[tagnode = current()/../tagnode]/next-hop-interface[distance = current()/distance]/disable))\" {\t\t\t\t\t\t\terror-message \"Must not configure the same distance for next-hop, interface-route6 and blackhole/unreachable\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/table/route6/next-hop/configd_end.sh\";\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\ttype types:ipv6-address; \t\t\t\t\t\t\t// Not multicast loopback or Unspecified.\t\t\t\t\t\t\t must \"(not(starts-with(., 'ff'))) and \" +\t\t\t\t\t\t\t\t\"(not(. = '::1')) and \" +\t\t\t\t\t\t\t\t\"(not(. = '::'))\" {\t\t\t\t\t\t\terror-message \"next-hop shouldn't be multicast, loopback or unspecified address.\";\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Next-hop IPv6

router [REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf disable {\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\tconfigd:help \"Disable IPv6 next-hop static route\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf interface {\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\tconfigd:help \"Outgoing interface\";\t\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all\";\t\t\t\t\t\t}\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t\t}\t\t\t\t\t\tcontainer blackhole {\t\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\t\tconfigd:help \"Silently discard pkts when matched\";\t\t\t\t\t\t\tmust \"not(../unreachable)\" {\t\t\t\t\t\t\t\terror-message \"Must not configure both blackhole and unreachable\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/table/route6/blackhole/configd_end.sh\";\t\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t\t}\t\t\t\t\t\tcontainer unreachable {\t\t\t\t\t\t\tpresence \"Indicates an unreachable route\";\t\t\t\t\t\t\tconfigd:help \"Discard packets with ICMP unreachable\";\t\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/table/route6/unreachable/configd_end.sh\";\t\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tlist interface-route {\t\t\t\t\t\tconfigd:help \"Interface based static route\";\t\t\t\t\t\tmust \"next-hop-interface\" {\t\t\t\t\t\t\terror-message \"Must add a next-hop-interface\";\t\t\t\t\t\t}\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Interface based static route\";\t\t\t\t\t\t}\t\t\t\t\t\tlist next-hop-interface {\t\t\t\t\t\t\tconfigd:help \"Next-hop interface [REQUIRED]\";\t\t\t\t\t\t\tmust \"disable or \" +\t\t\t\t\t\t\t\t\"(distance != ../../route[tagnode = current()/../tagnode]/blackhole/distance and \" +\t\t\t\t\t\t\t\t\"distance != ../../route[tagnode = current()/../tagnode]/unreachable/distance)\" {\t\t\t\t\t\t\t\terror-message \"Must not configure same distance for interface-route and blackhole/unreachable\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/table/interface-route/next-hop-interface/configd_allowed.sh\";\t\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/table/interface-route/next-hop-interface/configd_end.sh\";\t\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\t\ttype types:interface-ifname;\t\t\t\t\t\t\t\tconfigd:help \"Next-hop interface [REQUIRED]\";\t\t\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/table/interface-route/next-hop-interface/configd_allowed.sh\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tleaf disable {\t\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\t\tconfigd:help \"Disable IPv4 interface static route\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\tlist interface-route6 {\t\t\t\t\t\tconfigd:help \"Interface based static route\";\t\t\t\t\t\tmust \"next-hop-interface\" {\t\t\t\t\t\t\terror-message \"Must add a next-hop-interface\";\t\t\t\t\t\t}\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\t\t\t\tconfigd:normalize \"normalize ipv6-prefix\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Interface based static route\";\t\t\t\t\t\t}\t\t\t\t\t\tlist next-hop-interface {\t\t\t\t\t\t\tconfigd:help \"Next-hop interface [REQUIRED]\";\t\t\t\t\t\t\tmust \"disable or \" +\t\t\t\t\t\t\t\t\"(distance != ../../route6[tagnode = current()/../tagnode]/blackhole/distance and \" +\t\t\t\t\t\t\t\t\"distance != ../../route6[tagnode = current()/../tagnode]/unreachable/distance)\" {\t\t\t\t\t\t\t\terror-message \"Must not configure same distance for interface-route and blackhole/unreachable\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/table/interface-route6/next-hop-interface/configd_allowed.sh\";\t\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/table/interface-route6/next-hop-interface/configd_end.sh\";\t\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\t\ttype types:interface-ifname;\t\t\t\t\t\t\t\tconfigd:help \"Next-hop interface [REQUIRED]\";\t\t\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/table/interface-route6/next-hop-interface/configd_allowed.sh\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tleaf disable {\t\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\t\tconfigd:help \"Disable IPv6 interface static route\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t// route node has a dependency on next-hop/blackhole/unreachable/next-hop-routing-instance child node.\t\t\t// One of the above mentioned child nodes must be configured for it to be a valid configuration.\t\t\t// Any new node addition inside the route node will break the dependency.\t\t\tlist route {\t\t\t\t\tconfigd:help \"Static route\";\t\t\t\t\tmust \"count(./*) > 1\" {\t\t\t\t\t\terror-message \"Must add either a next-hop or blackhole/unreachable.\";\t\t\t\t\t}\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Static route\";\t\t\t\t\t}\t\t\t\t\tuses static-route-ipv4-next-hop;\t\t\t\t\tcontainer blackhole {\t\t\t\t\t\tpresence \"Indicates a blackhole route\";\t\t\t\t\t\tconfigd:help \"Silently discard pkts when matched\";\t\t\t\t\t\tmust \"not(../unreachable)\" {\t\t\t\t\t\t\terror-message \"Must not configure both blackhole and unreachable\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/route/blackhole/configd_end.sh\";\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t}\t\t\t\t\tcontainer unreachable {\t\t\t\t\t\tpresence \"Indicates an unreachable route\";\t\t\t\t\t\tconfigd:help \"Discard packets with ICMP unreachable\";\t\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/route/unreachable/configd_end.sh\";\t\t\t\t\t\tuses static-route-distance;\t\t\t\t\t}\t\t\t\t}\t\t\t\tlist arp {\t\t\t\tconfigd:priority \"525\";\t\t\t\tconfigd:help \"Static ARP translation\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/arp/configd_end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"Static ARP translation\";\t\t\t\t}\t\t\t\tleaf hwaddr {\t\t\t\t\tmandatory true;\t\t\t\t\ttype types:mac-address;\t\t\t\t\tconfigd:help \"Hardware protocol (e.g. MAC) address to translate to\";\t\t\t\t}\t\t\t\tleaf interface {\t\t\t\t\tmandatory true;\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Outgoing interface\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/static/arp/interface/configd_allowed.sh\";\t\t\t}\t\t\t}\t\t\t// route node has a dependency on next-hop/blackhole/unreachable/next-hop-routing-instance child node.\t\t\t// One of the above mentioned child nodes must be configured for it to be a valid configuration.\t\t\t// Any new node addition inside the route node will break the dependency.\t\t\tlist route6 {\t\t\t\tconfigd:help \"Static IPv6 route\";\t\t\t\tmust \"count(./*) > 1\" {\t\t\t\t\terror-message \"Must add either a next-hop or blackhole/unreachable.\";\t\t\t\t}\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\t\tconfigd:normalize \"normalize ipv6-prefix\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Static IPv6 route\";\t\t\t\t\tdescription \"Static IPv6 route\";\t\t\t\t}\t\t\t\tuses static-route-ipv6-next-hop;\t\t\t\tcontainer blackhole {\t\t\t\t\tpresence \"Indicates a blackhole route\";\t\t\t\t\tconfigd:help \"Silently discard pkts when matched\";\t\t\t\t\tmust \"not(../unreachable)\" {\t\t\t\t\t\terror-message \"Must not configure both blackhole and unreachable\";\t\t\t\t\t}\t\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/static/route6/blackhole/configd_end.sh\";\t\t\t\t\tuses static-route-distance;\t\t\t\t}\t\t\t\tcontainer unreachable {\t\t\t\t\tpresence \"Indicates an unreachable route\";\t\t\t\t\tconfigd:help \"Discard packets with ICMP unreachable\";\t\t\t\t\tconfigd:end

```
\"/opt/vyatta/share/tmplscripts/protocols/static/route6/unreachable/configd_end.sh\";\t\t\t\tuses static-
route-distance;\t\t\t\t}\t\t\t}\t\t\tlist interface-route {\t\t\t\tconfigd:help \"Interface based static
route\";\t\t\t\tmust \"next-hop-interface\" {\t\t\t\t\terror-message \"Must add a next-hop-
interface\";\t\t\t\t}\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-prefix
{\t\t\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Interface based
static route\";\t\t\t\t}\t\t\t\tlist next-hop-interface {\t\t\t\t\tconfigd:help \"Next-hop interface
[REQUIRED]\";\t\t\t\t\tmust \"disable or \" +\t\t\t\t\t\t\"(distance != ../../route[tagnode =
current()/../tagnode]/blackhole/distance and \" +\t\t\t\t\t\t\"distance != ../../route[tagnode =
current()/../tagnode]/unreachable/distance)\" {\t\t\t\t\t\terror-message \"Must not configure same distance
for interface-route and blackhole/unreachable\";\t\t\t\t\t}\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/static/interface-route/next-hop-
interface/configd_allowed.sh\";\t\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/static/interface-route/next-hop-
interface/configd_end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype
types:interface-ifname;\t\t\t\t\tconfigd:help \"Next-hop interface [REQUIRED]\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/static/interface-route/next-hop-
interface/configd_allowed.sh\";\t\t\t\t}\t\t\t\tleaf disable {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Disable IPv4 interface static route\";\t\t\t\t}\t\t\t\tuses static-
route-distance;\t\t\t}\t\t\t}\t\t\tlist interface-route6 {\t\t\t\tconfigd:help \"Interface based IPv6
static route\";\t\t\t\tmust \"next-hop-interface\" {\t\t\t\t\terror-message \"Must add a next-hop-
interface\";\t\t\t\t}\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv6-prefix
{\t\t\t\t\t\tconfigd:normalize \"normalize ipv6-prefix\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Interface based
IPv6 static route\";\t\t\t\t}\t\t\t\tlist next-hop-interface {\t\t\t\t\tconfigd:help \"Next-hop interface
[REQUIRED]\";\t\t\t\t\tmust \"disable or \" +\t\t\t\t\t\t\"(distance != ../../route6[tagnode =
current()/../tagnode]/blackhole/distance and \" +\t\t\t\t\t\t\"distance != ../../route6[tagnode =
current()/../tagnode]/unreachable/distance)\" {\t\t\t\t\t\terror-message \"Must not configure same distance
for interface-route and blackhole/unreachable\";\t\t\t\t\t}\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/static/interface-route6/next-hop-
interface/configd_allowed.sh\";\t\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/static/interface-route6/next-hop-
interface/configd_end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype
types:interface-ifname;\t\t\t\t\tconfigd:help \"Next-hop interface [REQUIRED]\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/static/interface-route6/next-hop-
interface/configd_allowed.sh\";\t\t\t\t}\t\t\t\tleaf disable {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Disable IPv6 interface static route\";\t\t\t\t}\t\t\t\tuses static-
route-distance;\t\t\t}\t\t\t}\t\t}\taugment /protocols:protocols {\t\tuses static-route;
\t}}</module><module name=\"vyatta-interfaces-loopback-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-
loopback:1\" revision=\"2015-08-14\" format=\"yang\" length=\"2507\"module vyatta-interfaces-loopback-v1
{\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-loopback:1\";\tprefix vyatta-interfaces-loopback-
v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization
\"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130
Holger Way\t\t         San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All
rights reserved.\t\t Loopback interface configuration\";\trevision 2015-08-14 {\t\tdescription \"Initial
revision of version 1.\";\t}\taugment /if:interfaces {\t\tlist loopback {\t\t\tconfigd:priority
\"300\";\t\t\tconfigd:help \"Loopback interface name\";\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/configd_allowed.sh\";\t\t\tconfigd:validate \"interface-
address-check $VAR(@) $VAR(./address/@@)\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/configd_create.sh\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/configd_delete.sh\";\t\t\tconfigd:end
\"/opt/vyatta/sbin/vyatta-unnumbered-update-donor.pl --dev=$VAR(@)\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode
{\t\t\t\ttype string {\t\t\t\t\tpattern \"lo(|[1-9]([0-9]){0,4})\" {\t\t\t\t\t\terror-message \"name must be
lo or loN, N in [1-99999]\";\t\t\t\t\t}\t\t\t\t\tconfigd:pattern-help \"<lo|lo[1-
99999]>\";\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/configd_syntax1.cli\";\t\t\t\t}\t\t\t\tconfigd:help
\"Loopback interface name\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/configd_allowed.sh\";\t\t\t}\t\t\tleaf description
{\t\t\t\ttype string {\t\t\t\t\tpattern \".{1,256}\" {\t\t\t\t\t\terror-message \"interface description is
too long (limit 256 characters)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help
\"Description\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/description/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/description/configd_delete.sh\";\t\t\t}\t\t\tleaf-list
address {\t\t\t\ttype if:address;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"IP
address\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/address/configd_create.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/loopback/address/configd_validate.cli\";\t\t\t}\t\t\tcontainer ip
{\t\t\t\tconfigd:help \"IPv4 parameters\";\t\t\t}\t\t\tcontainer ipv6 {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"IPv6 parameters\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-protocols-
msdp-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-msdp-routing-instance:1\"
revision=\"2016-04-25\" format=\"yang\" length=\"1219\"module vyatta-protocols-msdp-routing-instance-v1
{\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-msdp-routing-instance:1\";\tprefix vyatta-protocols-msdp-
routing-instancev1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix
routing;\t}\timport vyatta-protocols-msdp-v1 {\t\tprefix msdp;\t}\t\torganization \"Brocade Communications
Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t
San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright
(c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t\t The YANG module for vyatta-
protocols-msdp-routing-instance-v1\";\trevision 2016-04-25 {\t\tdescription \"Augment /routing/routing-
instance/protocols\";\t}\taugment /routing:routing/routing:routing-instance/routing:protocols {\t\tuses
msdp:msdp-parameters {\t\t\trefine msdp {\t\t\t\tconfigd:validate \"vyatta-msdp-validate --routing-instance
$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-msdp-configure --routing-instance
$VAR(../../@)\";\t\t\t}\t\t\trefine msdp/peer {\t\t\t\tconfigd:validate \"vyatta-msdp-validate --routing-
instance $VAR(../../../@) -- --level peer --param $VAR(@)\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-
security-firewall-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-security-firewall:1\" revision=\"2016-06-22\"
format=\"yang\" length=\"15113\"module vyatta-security-firewall-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-
```

security-firewall:1\";\tprefix vyatta-security-firewall-v1;\timport vyatta-interfaces-v1 {\t\tprefix
if;\t}\timport vyatta-interfaces-loopback-v1 {\t\tprefix interfaces-loopback;\t}\timport vyatta-interfaces-
bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-
dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-
interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix
interfaces-tunnel;\t}\timport vyatta-interfaces-vti-v1 {\t\tprefix interfaces-vti;\t}\timport vyatta-
interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-security-v1 {\t\tprefix
security;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-fw-types-v1 {\t\tprefix fw-
types;\t}\timport vyatta-npf-v1 {\t\tprefix npf;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t\t San Jose, CA
95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016
by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t YANG module and scripts for Vyatta
firewalls\";\trevision 2016-06-22 {\t\tdescription \"Ensure interface is not in more than one zone \" +\t\t\t
\"and update validation of the interface.\";\t}\trevision 2016-04-07 {\t\tdescription \"Addition of CPP local
firewall option.\" +\t\t\t   \"Remove use of bash in action scripts.\";\t}\trevision 2015-10-08
{\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping rule-fw {\t\tuses npf:rule-common;\t\tuses
npf:ethertype;\t\tuses npf:fragment;\t\tuses npf:marking;\t\tuses npf:policing;\t\tuses npf:action-fw-
pbr;\t\tleaf state {\t\t\ttype enumeration {\t\t\t\tenum \"enable\" {\t\t\t\tdescription \"Enable holding
state if matching the firewall rule\";\t\t\t\t\tconfigd:help \"Enable holding state if matching the firewall
rule\";\t\t\t\t}\t\t\t\tenum \"disable\" {\t\t\t\t\tdescription \"Disable holding state if matching the
firewall rule\";\t\t\t\t\tconfigd:help \"Disable holding state if matching the firewall
rule\";\t\t\t\t}\t\t\t}\t\t\tdescription \"Enable or disable holding state for the firewall
rule\";\t\t\tconfigd:help \"Enable or disable holding state for the firewall rule\";\t\t\tdefault
\"disable\";\t\t}\t}\tgrouping firewall-if-parameters {\t\tcontainer firewall {\t\t\tconfigd:help \"Firewall
options\";\t\t\tconfigd:end \"end-npf-if $VAR(../) $VAR(../@) firewall\";\t\t\tconfigd:validate \"check-not-
zone-if $VAR(../@)\";\t\t\tconfigd:validate \"check-l2tpeth-sess\";\t\t\tleaf-list out {\t\t\t\ttype fw-
types:rule-name {\t\t\t\tconfigd:help \"Ruleset name\";\t\t\t}\t\t\tordered-by
\"user\";\t\t\t\tconfigd:help \"Ruleset for forwarded packets on outbound interface\";\t\t\tconfigd:allowed
\"echo $VAR(/security/firewall/name/@@)\";\t\t\tconfigd:validate \"check-fw-ruleset-
exists\";\t\t\t}\t\t\tleaf-list in {\t\t\t\ttype fw-types:rule-name {\t\t\t\tconfigd:help \"Ruleset
name\";\t\t\t}\t\t\tordered-by \"user\";\t\t\tconfigd:help \"Ruleset for forwarded packets on inbound
interface\";\t\t\tconfigd:allowed \"echo $VAR(/security/firewall/name/@@)\";\t\t\tconfigd:validate
\"check-fw-ruleset-exists\";\t\t\t}\t\t\tleaf-list local {\t\t\t\ttype leafref {\t\t\t\ttpath
\"/security:security/vyatta-security-firewall-v1:firewall/vyatta-security-firewall-v1:name/vyatta-security-
firewall-v1:ruleset-name\";\t\t\t}\t\t\tordered-by \"user\";\t\t\tconfigd:help \"Ruleset for packets
terminated on router\";\t\t\tdescription \"Ruleset for packets terminated on
router\";\t\t\t}\t\t}\t}\tgrouping firewall-vif-if-parameters {\t\tuses firewall-if-parameters {\t\trefine
firewall {\t\t\tconfigd:end \"end-npf-if $VAR(../../) '$VAR(../../@) vif $VAR(../@)'
firewall\";\t\t\tconfigd:validate \"check-not-zone-if $VAR(../../@).$VAR(../@)\";\t\t}\t}\t}\taugment
/security:security {\t\tcontainer firewall {\t\t\tconfigd:priority \"310\";\t\t\tconfigd:help
\"Firewall\";\t\t\tconfigd:validate \"validate-fw-groups --variant firewall\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/security/firewall/configd end.sh\";\t\t\tleaf tcp-strict {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Enable tcp strict stateful firewall rule\";\t\t\t\tconfigd:create \"vyatta-dp-
npf.pl --variant=firewall --cmd=update-global-tcp-strict\";\t\t\t\tconfigd:delete \"vyatta-dp-npf.pl --
variant=firewall --cmd=update-global-tcp-strict\";\t\t\t}\t\t\tleaf broadcast-ping {\t\t\t\ttype enumeration
{\t\t\t\tenum \"enable\" {\t\t\t\t\tconfigd:help \"Allow broadcast IPv4 ICMP echo
requests\";\t\t\t\t\t}\t\t\t\t\tenum \"disable\" {\t\t\t\t\tconfigd:help \"Do not allow broadcast IPv4 ICMP
echo requests\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Policy for handling broadcast IPv4 ICMP echo
requests\";\t\t\tdefault \"disable\";\t\t\tconfigd:update \"set-ping broadcasts
$VAR(@)\";\t\t\tconfigd:delete \"set-ping broadcasts disable\";\t\t\t}\t\t\tleaf all-ping {\t\t\t\ttype
enumeration {\t\t\t\tenum \"enable\" {\t\t\t\t\tconfigd:help \"Allow IPv4 ICMP echo
requests\";\t\t\t\t\t}\t\t\t\t\tenum \"disable\" {\t\t\t\t\tconfigd:help \"Do not allow IPv4 ICMP echo
requests\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Policy for handling of all IPv4 ICMP echo
requests\";\t\t\tdefault \"enable\";\t\t\tconfigd:update \"set-ping all $VAR(@)\";\t\t\tconfigd:delete
\"set-ping all enable\";\t\t\t}\t\t\tleaf syn-cookies {\t\t\t\ttype enumeration {\t\t\t\tenum \"enable\"
{\t\t\t\t\tconfigd:help \"Allow TCP SYN cookies with IPv4\";\t\t\t\t\t}\t\t\t\t\tenum \"disable\"
{\t\t\t\t\tconfigd:help \"Do not allow TCP SYN cookies with IPv4\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help
\"Policy for using TCP SYN cookies with IPv4\";\t\t\tdefault \"enable\";\t\t\tconfigd:update \"set-syn-
cookies $VAR(@)\";\t\t\tconfigd:delete \"set-syn-cookies enable\";\t\t\t}\t\t\tlist name
{\t\t\t\tconfigd:help \"Firewall ruleset\";\t\t\tconfigd:delete \"vyatta-dp-npf.pl --variant=firewall --
cmd=delete-group --group=$VAR(@)\";\t\t\tconfigd:end \"end-fw-ruleset $VAR(@)\";\t\t\tkey \"ruleset-
name\";\t\t\tleaf ruleset-name {\t\t\t\ttype fw-types:rule-name {\t\t\t\tconfigd:help \"Ruleset
name\";\t\t\t\t}\t\t\t\t}\t\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Ruleset
description\";\t\t\t}\t\t\tlist rule {\t\t\t\tconfigd:help \"Rule number\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype fw-types:rule-number;\t\t\t\t}\t\t\t\tuses rule-
fw;\t\t\t}\t\t\tleaf default-action {\t\t\t\ttype enumeration {\t\t\t\tenum \"drop\"
{\t\t\t\t\tconfigd:help \"Drop if no prior rules are hit\";\t\t\t\t\t}\t\t\t\t\tenum \"accept\"
{\t\t\t\t\tconfigd:help \"Accept if no prior rules are
hit\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Default-action for ruleset\";\t\t\t\tconfigd:end
\"vyatta-dp-npf.pl --variant=firewall --cmd=update-default --group='$VAR(../@)'\";\t\t\t}\t\t\tleaf
default-log {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Default-log for ruleset\";\t\t\t\tconfigd:end
\"vyatta-dp-npf.pl --variant=firewall --cmd=update-default --
group='$VAR(../@)'\";\t\t\t}\t\t\tcontainer session-log {\t\t\t\tconfigd:help \"Session
logging\";\t\t\tcontainer tcp {\t\t\t\tconfigd:help \"TCP\";\t\t\t\tleaf close-wait {\t\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"close-wait state\";\t\t\t\tconfigd:end \"set-sess-log tcp
$VAR(@)\";\t\t\t}\t\t\tleaf established {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help
\"established state\";\t\t\t\tconfigd:end \"set-sess-log tcp $VAR(@)\";\t\t\t}\t\t\tleaf syn-sent
{\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"syn-sent state\";\t\t\t\tconfigd:end \"set-sess-log
tcp $VAR(@)\";\t\t\t}\t\t\tleaf fin-received {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"fin-
received state\";\t\t\t\tconfigd:end \"set-sess-log tcp $VAR(@)\";\t\t\t}\t\t\tleaf fin-sent
{\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"fin-sent state\";\t\t\t\tconfigd:end \"set-sess-log
tcp $VAR(@)\";\t\t\t}\t\t\tleaf closing {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"closing
state\";\t\t\t\tconfigd:end \"set-sess-log tcp $VAR(@)\";\t\t\t}\t\t\tleaf simsyn-sent
{\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"simsyn-sent state\";\t\t\t\tconfigd:end \"set-sess-log

tcp $VAR(@)\";\t\t\t\t}\t\t\t\t\tleaf time-wait {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"time-wait state\";\t\t\t\t\tconfigd:end \"set-sess-log tcp $VAR(@)\";\t\t\t\t}\t\t\t\t\tleaf last-ack {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"last-ack state\";\t\t\t\t\tconfigd:end \"set-sess-log tcp $VAR(@)\";\t\t\t\t}\t\t\t\t\tleaf syn-received {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"syn-received state\";\t\t\t\t\tconfigd:end \"set-sess-log tcp $VAR(@)\";\t\t\t\t}\t\t\t\t\tleaf fin-wait {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"fin-wait state\";\t\t\t\t\tconfigd:end \"set-sess-log tcp $VAR(@)\";\t\t\t\t}\t\t\t\t\tleaf timeout {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"time-out state\";\t\t\t\t\tconfigd:end \"set-sess-log tcp $VAR(@)\";\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer icmp {\t\t\t\tconfigd:help \"ICMP\";\t\t\t\tleaf established {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"established state\";\t\t\t\t\tconfigd:end \"set-sess-log icmp $VAR(@)\";\t\t\t\t}\t\t\t\tleaf closed {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"closed state\";\t\t\t\t\tconfigd:end \"set-sess-log icmp $VAR(@)\";\t\t\t\t}\t\t\t\tleaf timeout {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"timeout state\";\t\t\t\t\tconfigd:end \"set-sess-log icmp $VAR(@)\";\t\t\t\t}\t\t\t\tleaf new {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"new state\";\t\t\t\t\tconfigd:end \"set-sess-log icmp $VAR(@)\";\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer other {\t\t\t\tconfigd:help \"protocols other than TCP, UDP or ICMP\";\t\t\t\tleaf established {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"established state\";\t\t\t\t\tconfigd:end \"set-sess-log other $VAR(@)\";\t\t\t\t}\t\t\t\tleaf closed {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"closed state\";\t\t\t\t\tconfigd:end \"set-sess-log other $VAR(@)\";\t\t\t\t}\t\t\t\tleaf timeout {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"timeout state\";\t\t\t\t\tconfigd:end \"set-sess-log other $VAR(@)\";\t\t\t\t}\t\t\t\tleaf new {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"new state\";\t\t\t\t\tconfigd:end \"set-sess-log other $VAR(@)\";\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer udp {\t\t\t\tconfigd:help \"UDP\";\t\t\t\tleaf established {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"established state\";\t\t\t\t\tconfigd:end \"set-sess-log udp $VAR(@)\";\t\t\t\t}\t\t\t\tleaf closed {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"closed state\";\t\t\t\t\tconfigd:end \"set-sess-log udp $VAR(@)\";\t\t\t\t}\t\t\t\tleaf timeout {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"timeout state\";\t\t\t\t\tconfigd:end \"set-sess-log udp $VAR(@)\";\t\t\t\t}\t\t\t\tleaf new {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"new state\";\t\t\t\t\tconfigd:end \"set-sess-log udp $VAR(@)\";\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer global-state-policy {\t\t\t\tconfigd:help \"Configure global state parameters for firewall\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/security/firewall/global-state-policy/configd end.sh\";\t\t\t\tleaf tcp {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"enable tcp state monitoring for firewall\";\t\t\t\t}\t\t\t\tleaf icmp {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"enable icmp state monitoring for firewall\";\t\t\t\t}\t\t\t\tleaf udp {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"enable udp state monitoring for firewall\";\t\t\t\t}\t\t\t\tleaf config-trap {\t\t\t\t\ttype enumeration {\t\t\t\t\tenum \"enable\" {\t\t\t\t\t\tconfigd:help \"Enable sending SNMP trap on firewall configuration change\";\t\t\t\t\t}\t\t\t\t\tenum \"disable\" {\t\t\t\t\t\tconfigd:help \"Disable sending SNMP trap on firewall configuration change\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"SNMP trap generation on firewall configuration changes\";\t\t\tdefault \"disable\";\t\t\t}\t\t}\t\tcontainer zone-policy {\t\t\tconfigd:priority \"315\";\t\t\tconfigd:help \"Zone-policy\";\t\t\tconfigd:end \"vyatta-dp-npf-zone.pl\";\t\t\tlist zone {\t\t\t\tconfigd:help \"Zone name\";\t\t\t\tconfigd:end \"vyatta-dp-npf-snmptrap.pl --level='security zone-policy zone $VAR(@)'\";\t\t\t\tkey \"input-zone-name\";\t\t\t\tleaf input-zone-name {\t\t\t\t\ttype fw-types:zone-name {\t\t\t\t\t\tconfigd:help \"Zone name\";\t\t\t\t}\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Zone description\";\t\t\t\t}\t\t\t\tleaf-list interface {\t\t\t\t\ttype string;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Interface associated with zone\";\t\t\t\t\tconfigd:allowed \"vyatta-interfaces.pl --show=all --skip=lo\";\t\t\t\t\tconfigd:validate \"check-interface-exists.pl $VAR(@)\";\t\t\t\t\tmin-elements 1;\t\t\t\t\tmust \"current() != 'lo'\" {\t\t\t\t\t\terror-message \"Cannot assign loopback interface to a transit zone. It is part of local-zone.\";\t\t\t\t\t}\t\t\t\t\tmust \"1 = count(../../zone/interface[. = current()])\" {\t\t\t\t\t\terror-message \"An interface cannot be in more than one zone.\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf default-action {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"accept\" {\t\t\t\t\t\t\tconfigd:help \"Accept packets leaving this zone\";\t\t\t\t\t}\t\t\t\t\t\tenum \"drop\" {\t\t\t\t\t\t\tconfigd:help \"Drop packets leaving this zone\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Default-action for traffic leaving this zone\";\t\t\t\t\tdefault \"drop\";\t\t\t\t}\t\t\t\tlist to {\t\t\t\t\tconfigd:help \"Output zone to filter traffic\";\t\t\t\t\tconfigd:allowed \"echo $VAR(/security/zone-policy/zone/@@)\";\t\t\t\t\tconfigd:validate \"check-policy-exists\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/security/zone-policy/zone/to/config validate.cli\";\t\t\t\t\tmin-elements 1;\t\t\t\t\tkey \"output-zone-name\";\t\t\t\t\tleaf output-zone-name {\t\t\t\t\t\ttype fw-types:zone-name {\t\t\t\t\t\tconfigd:help \"Output zone name\";\t\t\t\t\t}\t\t\t\t\tconfigd:allowed \"echo $VAR(/security/zone-policy/zone/@@)\";\t\t\t\t}\t\t\t\t\tleaf-list firewall {\t\t\t\t\t\ttype fw-types:rule-name {\t\t\t\t\t\tconfigd:help \"Ruleset name\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Ruleset for forwarded packets from Input zone to Output zone\";\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:allowed \"echo $VAR(/security/firewall/name/@@)\";\t\t\t\t\tconfigd:validate \"check-fw-ruleset-exists\";\t\t\t\t\tmin-elements 1;\t\t\t\t}\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bridge:bridge {\t\t\tuses firewall-if-parameters {\t\t\taugment firewall {\t\t\tleaf-list l2 {\t\t\t\ttype fw-types:rule-name {\t\t\t\t\tconfigd:help \"Ruleset name\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Ruleset for forwarded packets on bridge interface\";\t\t\t\tconfigd:allowed \"echo $VAR(/security/firewall/name/@@)\";\t\t\t\tconfigd:validate \"check-fw-ruleset-exists\";\t\t\t}\t\t}\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane {\t}\taugment /if:interfaces/interfaces-loopback:loopback {\t\tcontainer firewall {\t\t\tconfigd:help \"Firewall options\";\t\t\tdescription \"Firewall options\";\t\t\tconfigd:end \"end-npf-if $VAR(../) $VAR(../@) firewall\";\t\t\tleaf-list local {\t\t\t\ttype leafref {\t\t\t\t\tpath \"/security:security/firewall/name/ruleset-name\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Ruleset for packets terminated on router\";\t\t\tdescription \"Ruleset for packets terminated on router\";\t\t\t\tmust \"(../../interfaces-loopback:tagnode = 'lo')\" {\t\t\t\t\terror-message \"Local firewall can only be applied to lo.\";\t\t\t\t}\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif {\t\tuses firewall-vif-if-parameters;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth {\t\tuses firewall-if-parameters;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif {\t\tuses firewall-vif-if-parameters;\t}\taugment /if:interfaces/interfaces-openvpn:openvpn {\t\tuses firewall-if-parameters;\t}\taugment /if:interfaces/interfaces-tunnel:tunnel {\t\tuses firewall-if-parameters;\t}\taugment /if:interfaces/interfaces-vti:vti {\t\tuses firewall-if-parameters;\t}\taugment /if:interfaces/interfaces-bonding:bonding {\t\tuses firewall-if-parameters;\t}\taugment /if:interfaces/interfaces-

bonding:bonding/interfaces-bonding:vif {\t\tuses firewall-vif-if-parameters;\t}}</module<module
name=\"vyatta-interfaces-vti-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-vti:1\" revision=\"2016-05-09\"
format=\"yang\" length=\"2981\"module vyatta-interfaces-vti-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-
interfaces-vti:1\";\tprefix vyatta-interfaces-vti-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport
vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger
Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t VTI interface configuration\";\trevision 2016-05-09 {\t\tdescription \"Validation
warning added to address leaf-list\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version
1.\";\t}\taugment /if:interfaces {\t\tlist vti {\t\t\tconfigd:priority \"381\";\t\t\tconfigd:help \"Virtual
Tunnel interface\";\t\t\tconfigd:begin
\"/opt/vyatta/share/tmplscripts/interfaces/vti/configd_begin.sh\";\t\t\tconfigd:validate \"interface-address-
check $VAR(@) $VAR(./address/@@)\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/vti/configd_delete.sh\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/interfaces/vti/configd_end.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode
{\t\t\t\ttype string {\t\t\t\t\tpattern \"vti[0-9]+\" {\t\t\t\t\t\terror-message \"vti must be (vti0-
vti999..)\";\t\t\t\t\t}\t\t\t\t\tconfigd:pattern-help \"<vtiN>\";\t\t\t\t}\t\t\t\tconfigd:help \"Virtual
Tunnel interface\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string {\t\t\t\t\tpattern \".{1,256}\"
{\t\t\t\t\t\terror-message \"interface description is too long (limit 256
characters)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Description\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/vti/description/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/vti/description/configd_delete.sh\";\t\t\t}\t\t\tleaf mtu
{\t\t\t\ttype uint32 {\t\t\t\t\trange 68..9000 {\t\t\t\t\t\terror-message \"Must be between 68-
9000\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:priority \"382\";\t\t\t\tconfigd:help \"Maximum Transmission Unit
(MTU)\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/vti/mtu/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/vti/mtu/configd_delete.sh\";\t\t\t}\t\t\tleaf disable
{\t\t\t\ttype empty {\t\t\t\tconfigd:help \"Disable interface\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/vti/disable/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/vti/disable/configd_delete.sh\";\t\t\t}\t\t\tleaf-list address
{\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\ttype types:ipv6-
prefix;\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"IP address\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/vti/address/configd_create.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/vti/address/warning unsupported setups.cli\";\t\t\t}\t\t\tcontaine
r ip {\t\t\t\tconfigd:help \"IPv4 parameters\";\t\t\t}\t\t\tcontainer ipv6 {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"IPv6 parameters\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-system-
session-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-session:1\" revision=\"2016-04-15\" format=\"yang\"
length=\"13750\"module vyatta-system-session-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-
session:1\";\tprefix vyatta-system-session-v1;\timport vyatta-system-v1 {\t\tprefix system;\t}\timport
configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose,
CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-
2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t YANG module and scripts for Vyatta
firewall session configuration   and operation\";\trevision 2016-04-15 {\t\tdescription \"Add VRF
support.\";\t}\trevision 2015-08-06 {\t\tdescription \"Initial revision.\";\t}\ttypedef timeout {\t\ttype
uint32 {\t\trange 1..21474836;\t\t}\t}\tgrouping timeout-group {\t\tcontainer timeout {\t\t\tpresence
\"timeout configuration\";\t\t\tconfigd:help \"Connection timeout options\";\t\t\tcontainer tcp
{\t\t\t\tpresence \"timeout configuration\";\t\t\t\tconfigd:help \"TCP connection timeout
options\";\t\t\t\tleaf close-wait {\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"TCP CLOSE-WAIT timeout in
seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=tcp --state=close-wait --
timeout=21600 --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-
timeouts.pl --cmd=update --proto=tcp --state=close-wait --timeout=$VAR(@) --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t\tleaf established {\t\t\t\t\ttype
timeout;\t\t\t\t\tconfigd:help \"TCP ESTABLISHED timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-
npf-timeouts.pl --cmd=delete --proto=tcp --state=established --timeout=86400 --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --
cmd=update --proto=tcp --state=established --timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t}\t\t\t\tleaf syn-sent {\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"TCP SYN-SENT
timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=tcp --
state=syn-sent --timeout=30 --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update
\"vyatta-dp-npf-timeouts.pl --cmd=update --proto=tcp --state=syn-sent --timeout=$VAR(@) --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t\tleaf fin-received {\t\t\t\t\ttype
timeout;\t\t\t\t\tconfigd:help \"TCP FIN-RECEIVED timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-
npf-timeouts.pl --cmd=delete --proto=tcp --state=fin-received --timeout=240 --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --
cmd=update --proto=tcp --state=fin-received --timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t}\t\t\t\tleaf fin-sent {\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"TCP FIN-SENT
timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=tcp --
state=fin-sent --timeout=240 --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update
\"vyatta-dp-npf-timeouts.pl --cmd=update --proto=tcp --state=fin-sent --timeout=$VAR(@) --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t\tleaf closing {\t\t\t\t\ttype
timeout;\t\t\t\t\tconfigd:help \"TCP CLOSING timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-
timeouts.pl --cmd=delete --proto=tcp --state=closing --timeout=30 --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --cmd=update --proto=tcp --state=closing -
-timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t\tleaf simsyn-sent
{\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"TCP SIMSYN-SENT timeout in
seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=tcp --state=simsyn-sent -
-timeout=30 --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-
timeouts.pl --cmd=update --proto=tcp --state=simsyn-sent --timeout=$VAR(@) --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t\tleaf time-wait {\t\t\t\t\ttype
timeout;\t\t\t\t\tconfigd:help \"TCP TIME-WAIT timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-
timeouts.pl --cmd=delete --proto=tcp --state=time-wait --timeout=240 --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --cmd=update --proto=tcp --state=time-wait

```
--timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t\tleaf last-ack
{\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"TCP LAST-ACK timeout in seconds\";\t\t\t\t\tconfigd:delete
\"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=tcp --state=last-ack --timeout=30 --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --
cmd=update --proto=tcp --state=last-ack --timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t}\t\t\t\tleaf syn-received {\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"TCP SYN-
RECEIVED timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=tcp -
-state=syn-received --timeout=60 --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update
\"vyatta-dp-npf-timeouts.pl --cmd=update --proto=tcp --state=syn-received --timeout=$VAR(@) --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t\tleaf closed {\t\t\t\t\ttype
timeout;\t\t\t\t\tconfigd:help \"TCP CLOSED timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-
timeouts.pl --cmd=delete --proto=tcp --state=closed --timeout=10 --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --cmd=update --proto=tcp --state=closed --
timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t\tleaf fin-wait
{\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"TCP FIN-WAIT timeout in seconds\";\t\t\t\t\tconfigd:delete
\"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=tcp --state=fin-wait --timeout=21600 --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --
cmd=update --proto=tcp --state=fin-wait --timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t}\t\t\t}\t\t\tcontainer icmp {\t\t\t\tpresence \"timeout
configuration\";\t\t\t\tconfigd:help \"ICMP timeout\";\t\t\t\tleaf established {\t\t\t\t\ttype
timeout;\t\t\t\t\tconfigd:help \"ICMP ESTABLISHED timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-
npf-timeouts.pl --cmd=delete --proto=icmp --state=established --timeout=60 --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --
cmd=update --proto=icmp --state=established --timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t}\t\t\t\tleaf new {\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"ICMP NEW timeout in
seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=icmp --state=new --
timeout=30 --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-
timeouts.pl --cmd=update --proto=icmp --state=new --timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t}\t\t\t}\t\t\tcontainer other {\t\t\t\tpresence \"timeout
configuration\";\t\t\t\tconfigd:help \"Generic connection timeout\";\t\t\t\tleaf established {\t\t\t\t\ttype
timeout;\t\t\t\t\tconfigd:help \"Generic ESTABLISHED timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-
dp-npf-timeouts.pl --cmd=delete --proto=other --state=established --timeout=60 --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --
cmd=update --proto=other --state=established --timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t}\t\t\t\tleaf new {\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"Generic NEW timeout
in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=other --state=new --
timeout=30 --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-
timeouts.pl --cmd=update --proto=other --state=new --timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t}\t\t\t}\t\t\tcontainer custom {\t\t\t\tpresence \"timeout
configuration\";\t\t\t\tconfigd:help \"Custom connection timeout options\";\t\t\t\tlist rule
{\t\t\t\t\tconfigd:help \"Rule number (1-9999)\";\t\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/configd end.sh\";\t\t\t\t\tkey
\"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange
1..9999;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Rule number (1-9999)\";\t\t\t\t\t}\t\t\t\t\tleaf expire
{\t\t\t\t\t\ttype timeout;\t\t\t\t\t\tmandatory \"true\";\t\t\t\t\t\tconfigd:help \"Expire time out value for
this rule\";\t\t\t\t\t}\t\t\t\t\tcontainer source {\t\t\t\t\t\tpresence \"timeout
configuration\";\t\t\t\t\t\tconfigd:help \"Source parameters\";\t\t\t\t\t\tleaf address {\t\t\t\t\t\t\ttype
string {\t\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd_syntax1.cli\";\t\t\
t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd_syntax2.cli\";\t\t\
t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Source IP address, subnet, or address-
group\";\t\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd allowed.sh\";\t\t\t
\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd_validate1.cli\";\t\
t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd validate2.cli\";\t\
t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd validate3.cli\";\t\
t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd_validate4.cli\";\t\
t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd validate5.cli\";\t\
t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/address/configd validate6.cli\";\t\
t\t\t\t\t}\t\t\t\t\t\tleaf port {\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\tconfigd:help \"Source port or port-
group\";\t\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/port/configd_allowed.sh\";\t\t\t\t\
t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/port/configd validate1.cli\";\t\t\t\
t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/source/port/configd_validate2.cli\";\t\t\t\
t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer destination {\t\t\t\t\t\tpresence \"timeout
configuration\";\t\t\t\t\t\tconfigd:help \"Destination parameters\";\t\t\t\t\t\tleaf address
{\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/address/configd syntax1.cli\";
\t\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/address/configd_syntax2.cli\";
\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Destination IP address, subnet, or address-
group\";\t\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/address/configd validate1.cli\
";\t\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/address/configd_validate2.cli\
```

```
";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/address/configd validate3.cli\
";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/address/configd validate4.cli\
";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/address/configd_validate5.cli\
";\t\t\t\t\t}\t\t\t\t\tleaf port {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Destination port
or port-group\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/port/configd allowed.sh\";\t\t
\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/port/configd_validate1.cli\";\
t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/destination/port/configd_validate2.cli\";\
t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf protocol {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/protocol/configd syntax1.cli\";\t\t\t\t\t
\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/protocol/configd_syntax2.cli\";\t\t\t\t\t
}\t\t\t\t\tconfigd:help \"Protocol to match\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/session/timeout/custom/rule/protocol/configd_allowed.sh\";\t\t\t\t\t}\
t\t\t\t}\t\t\t}\t\t\tcontainer udp {\t\t\t\tpresence \"timeout configuration\";\t\t\t\tconfigd:help \"UDP
timeout\";\t\t\t\tleaf established {\t\t\t\t\ttype timeout;\t\t\t\t\tconfigd:help \"UDP ESTABLISHED timeout
in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-timeouts.pl --cmd=delete --proto=udp --
state=established --timeout=60 --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\tconfigd:update
\"vyatta-dp-npf-timeouts.pl --cmd=update --proto=udp --state=established --timeout=$VAR(@) --
vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t}\t\t\t\tleaf new {\t\t\t\ttype
timeout;\t\t\t\t\tconfigd:help \"UDP NEW timeout in seconds\";\t\t\t\t\tconfigd:delete \"vyatta-dp-npf-
timeouts.pl --cmd=delete --proto=udp --state=new --timeout=30 --vrf=$VAR(../../../../../../routing-
instance/@)\";\t\t\t\t\tconfigd:update \"vyatta-dp-npf-timeouts.pl --cmd=update --proto=udp --state=new --
timeout=$VAR(@) --vrf=$VAR(../../../../../../routing-instance/@)\";\t\t\t\t}\t\t\t}\t\t}\t}\taugment
/system:system {\t\tcontainer session {\t\t\tpresence \"timeout configuration\";\t\t\tconfigd:help
\"Configure timeouts for session\";\t\t\tleaf table-size {\t\t\t\ttype uint32 {\t\t\t\t\trange
1..100000000;\t\t\t\t}\t\t\t\tconfigd:help \"Size of connection tracking table\";\t\t\t\tdefault
\"1048576\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/system/session/table-
size/configd_update.sh\";\t\t\t}\t\t\tuses timeout-group;\t\t}\t}}</module<module name=\"vyatta-dscp-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-dscp:1\" revision=\"2015-08-05\" format=\"yang\" length=\"3616\"module
vyatta-dscp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-dscp:1\";\tprefix vyatta-dscp-v1;\timport ietf-inet-
types {\t\tprefix inet;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications
Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t
San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright
(c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t This module implements
vyatta-dscp-v1.\";\trevision 2015-08-05 {\t\tdescription \"Initial revision of version 1.\";\t}\ttypedef
dscp-name {\t\treference \"http://www.iana.org/assignments/dscp-registry/dscp-registry.xhtml#dscp-registry-
1\";\t\ttype enumeration {\t\t\tenum default {\t\t\t\treference \"RFC 2474\";\t\t\t\tconfigd:help \"Default
Class (000000)\";\t\t\t\tvalue 0;\t\t\t}\t\t\tenum cs1 {\t\t\t\treference \"RFC 2474\";\t\t\t\tconfigd:help
\"Class Selector 1 (001000)\";\t\t\t\tvalue 8;\t\t\t}\t\t\tenum cs2 {\t\t\t\treference \"RFC
2474\";\t\t\t\tconfigd:help \"Class Selector 2 (010000)\";\t\t\t\tvalue 16;\t\t\t}\t\t\tenum cs3
{\t\t\t\treference \"RFC 2474\";\t\t\t\tconfigd:help \"Class Selector 3 (011000)\";\t\t\t\tvalue
24;\t\t\t}\t\t\tenum cs4 {\t\t\t\treference \"RFC 2474\";\t\t\t\tconfigd:help \"Class Selector 4
(100000)\";\t\t\t\tvalue 32;\t\t\t}\t\t\tenum cs5 {\t\t\t\treference \"RFC 2474\";\t\t\t\tconfigd:help
\"Class Selector 5 (101000)\";\t\t\t\tvalue 40;\t\t\t}\t\t\tenum cs6 {\t\t\t\treference \"RFC
2474\";\t\t\t\tconfigd:help \"Class Selector 6 (110000)\";\t\t\t\tvalue 48;\t\t\t}\t\t\tenum cs7
{\t\t\t\treference \"RFC 2474\";\t\t\t\tconfigd:help \"Class Selector 7 (111000)\";\t\t\t\tvalue
56;\t\t\t}\t\t\tenum af11 {\t\t\t\treference \"RFC 2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 1,
Low Drop Precedence (001010)\";\t\t\t\tvalue 10;\t\t\t}\t\t\tenum af12 {\t\t\t\treference \"RFC
2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 1, Medium Drop Precedence (001100)\";\t\t\t\tvalue
12;\t\t\t}\t\t\tenum af13 {\t\t\t\treference \"RFC 2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 1,
High Drop Precedence (001110)\";\t\t\t\tvalue 14;\t\t\t}\t\t\tenum af21 {\t\t\t\treference \"RFC
2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 2, Low Drop Precedence (010010)\";\t\t\t\tvalue
18;\t\t\t}\t\t\tenum af22 {\t\t\t\treference \"RFC 2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 2,
Medium Drop Precedence (010100)\";\t\t\t\tvalue 20;\t\t\t}\t\t\tenum af23 {\t\t\t\treference \"RFC
2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 2, High Drop Precedence (010110)\";\t\t\t\tvalue
22;\t\t\t}\t\t\tenum af31 {\t\t\t\treference \"RFC 2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 3,
Low Drop Precedence (011010)\";\t\t\t\tvalue 26;\t\t\t}\t\t\tenum af32 {\t\t\t\treference \"RFC
2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 3, Medium Drop Precedence (011100)\";\t\t\t\tvalue
28;\t\t\t}\t\t\tenum af33 {\t\t\t\treference \"RFC 2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 3,
High Drop Precedence (011110)\";\t\t\t\tvalue 30;\t\t\t}\t\t\tenum af41 {\t\t\t\treference \"RFC
2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 4, Low Drop Precedence (100010)\";\t\t\t\tvalue
34;\t\t\t}\t\t\tenum af42 {\t\t\t\treference \"RFC 2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 4,
Medium Drop Precedence (100100)\";\t\t\t\tvalue 36;\t\t\t}\t\t\tenum af43 {\t\t\t\treference \"RFC
2597\";\t\t\t\tconfigd:help \"Assured Forwarding Class 4, High Drop Precedence (100110)\";\t\t\t\tvalue
38;\t\t\t}\t\t\tenum ef {\t\t\t\treference \"RFC 3246\";\t\t\t\tconfigd:help \"Expedited Forwarding, Per-Hop
Behavior (101110)\";\t\t\t\tvalue 46;\t\t\t}\t\t\tenum va {\t\t\t\treference \"RFC
5865\";\t\t\t\tconfigd:help \"Voice Admit, Capacity-Admitted Traffic (101100)\";\t\t\t\tvalue
44;\t\t\t}\t\t}\t}\ttypedef dscp-name-or-value {\t\ttype union {\t\t\ttype inet:dscp;\t\t\ttype dscp-
name;\t\t}\t}}</module<module name=\"vyatta-dhcpv6-client-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-dhcpv6-
client:1\" revision=\"2015-08-14\" format=\"yang\" length=\"2264\"module vyatta-dhcpv6-client-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-dhcpv6-client:1\";\tprefix vyatta-dhcpv6-client-v1;\timport configd-v1 {\t
prefix configd;\t}\timport vyatta-interfaces-v1 {\t        prefix if;\t}\timport vyatta-interfaces-bridge-v1
{\t        prefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t        prefix interfaces-
dataplane;\t}\timport vyatta-interfaces-bonding-v1 {\t        prefix interfaces-bonding;\t}\torganization
\"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130
Holger Way\t\t        San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module for vyatta-dhcpv6-client-v1\";\trevision 2015-08-14 {\t\tdescription
```

\"Initial revision of version 1.\";\t}\ttypedef dhcpv6-options {\t\ttype enumeration {\t\t\tenum
\"parameters-only\" {\t\t\t\tconfigd:help \"Acquire only config parameters, not address\";\t\t\t}\t\t\tenum
\"temporary\" {\t\t\t\tconfigd:help \"IPv6 \"temporary\" address\";\t\t\t}\t\t\tenum \"prefix-delegation\"
{\t\t\t\tconfigd:help \"IPv6 \"prefix delegation\"\";\t\t\t}\t\t}\t}\tgrouping dhcpv6-options {\t\t\tleaf
dhcpv6-options {\t\t\t\ttype dhcpv6-options;\t\t\t\tconfigd:help \"DHCPv6 options\";\t\t\t\tconfigd:end
\"dhcpv6-client-options $VAR(../@)\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dhcpv6-client-options/configd_validate1.cli\";\t\t\t}\t}\tgrouping
dhcpv6-options-vif {\t\t\tleaf dhcpv6-options {\t\t\t\ttype dhcpv6-options;\t\t\t\tconfigd:help \"DHCPv6
options\";\t\t\t\tconfigd:end \"dhcpv6-client-options $VAR(../../@).$VAR(../@)\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dhcpv6-client-options/configd_validate1.cli\";\t\t\t}\t}\taugment
/if:interfaces/interfaces-bridge:bridge {\t\tuses dhcpv6-options;\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane {\t\tuses dhcpv6-options;\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane/interfaces-dataplane:vif {\t\tuses dhcpv6-options-vif;\t}\taugment
/if:interfaces/interfaces-bonding:bonding {\t\tuses dhcpv6-options;\t}\taugment /if:interfaces/interfaces-
bonding:bonding/interfaces-bonding:vif {\t\tuses dhcpv6-options-vif;\t}}</module><module name=\"vyatta-
protocols-ripng-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-ripng-routing-instance:1\"
revision=\"2016-05-04\" format=\"yang\" length=\"1809\"module vyatta-protocols-ripng-routing-instance-v1
{\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-ripng-routing-instance:1\";\tprefix vyatta-protocols-
ripng-routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix
routing-instance;\t}\timport vyatta-protocols-ripng-v1 {\t\tprefix ripng;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger
Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module package for\t\t vyatta-protocols-ripng-routing-instance-v1\";\trevision
2016-05-04 {\t\tdescription \"Initial revision of Routing-instance support\";\t}\taugment /routing-
instance:routing/routing-instance:routing-instance/routing-instance:protocols {\t\tuses ripng:ripng-
protocol;\t}\taugment /routing-instance:routing/routing-instance:routing-instance/routing-
instance:protocols/ripng {\t\tcontainer log {\t\t\tconfigd:help \"RIPNG logging
parameters\";\t\t\tdescription \"RIPNG logging parameters\";\t\t\tleaf all {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Enable all RIPNG logs\";\t\t\t\tdescription \"Enable all RIPNG
logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_delete.sh\";\t\t\t}\t\t\tleaf events
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIPNG events logs\";\t\t\t\tdescription \"Enable RIPNG
events logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ripng/log/configd_delete.sh\";\t\t\t}\t\t\tuses ripng:ripng-log-
packet;\t\t}\t}}</module><module name=\"vyatta-system-acm-opd-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-acm-
opd:1\" revision=\"2016-03-25\" format=\"yang\" length=\"2581\"module vyatta-system-acm-opd-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-system-acm-opd:1\";\tprefix vyatta-system-acm-opd-v1;\timport vyatta-system-v1
{\t\tprefix system;\t}\timport vyatta-system-acm-v1 {\t\tprefix system-acm;\t}\timport configd-v1 {\t\tprefix
configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t The YANG module for opd's access control mechanism\";\trevision 2016-03-25
{\t\tdescription \"Add execution of operational rule-set update\";\t}\trevision 2015-08-14 {\t\tdescription
\"Initial revision of version 1.\";\t}\taugment /system:system/system-acm:acm {\t\tconfigd:end \"vyatta-
update-opruleset.pl\";\t\tleaf exec-default {\t\t\ttype enumeration {\t\t\t\tenum \"allow\"
{\t\t\t\t\tconfigd:help \"Allow the action\";\t\t\t\t}\t\t\t\tenum \"deny\" {\t\t\t\t\tconfigd:help \"Deny
the action\";\t\t\t\t}\t\t\t}\t\t\tdefault \"allow\";\t\t\tconfigd:help \"Execute operation default
action\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/system/acm/exec-
default/configd_allowed.sh\";\t\t}\t\tcontainer operational-ruleset {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"Operational command ruleset\";\t\t\tlist rule {\t\t\t\tconfigd:help \"Rule
number (1-9999)\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/acm/operational-
ruleset/rule/configd_validate1.cli\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/acm/operational-ruleset/rule/configd_validate2.cli\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..9999 {\t\t\t\t\t\t\terror-
message \"Rule number must be between 1 and 9999\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Rule
number (1-9999)\";\t\t\t\t}\t\t\t\tleaf action {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"allow\"
{\t\t\t\t\t\t\tconfigd:help \"Allow the action\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"deny\"
{\t\t\t\t\t\t\tconfigd:help \"Deny the action\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault
\"deny\";\t\t\t\t\tconfigd:help \"Action\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/acm/operational-
ruleset/rule/action/configd_allowed.sh\";\t\t\t\t}\t\t\t\tleaf command {\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:help \"Path to match\";\t\t\t\t}\t\t\t\tleaf-list group {\t\t\t\t\ttype
string;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Group to match\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/acm/operational-
ruleset/rule/group/configd_allowed.sh\";\t\t\t\t}\t\t\t\tleaf log {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Enable logging for rule\";\t\t\t\t}\t\t\t}\t\t}\t}}</module><module
name=\"vyatta-resources-service-users-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-resources-service-users:1\"
revision=\"2015-08-14\" format=\"yang\" length=\"5184\"module vyatta-resources-service-users-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-resources-service-users:1\";\tprefix vyatta-resources-service-users-v1;\timport
vyatta-resources-v1 {\t\tprefix resources;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization
\"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130
Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module for vyatta-resources-service-users\";\trevision 2015-08-14
{\t\tdescription \"Initial revision of version 1.\";\t}\taugment /resources:resources {\t\tcontainer service-
users {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Service-User management\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/resources/service-users/configd_end.sh\";\t\t\tlist ldap
{\t\t\t\tconfigd:help \"LDAP profile name\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/resources/service-users/ldap/configd_delete.sh\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"LDAP profile
name\";\t\t\t\t}\t\t\t\tleaf base-dn {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Base Distinguished Name

(Base DN) for authorization\";\t\t\t\t}\t\t\t\tleaf search-filter {\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:help \"LDAP search filter for authorization\";\t\t\t\t}\t\t\t\tleaf bind-dn
{\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Bind DN user to authenticate against LDAP
server\";\t\t\t\t}\t\t\t\tleaf schema {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"LDAP schema
standard\";\t\t\t\t}\t\t\t\tleaf password {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"LDAP Bind
Password\";\t\t\t\t}\t\t\t\tcontainer group {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"LDAP group
tree options\";\t\t\t\t\tleaf base-dn {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Base DN for group-
based LDAP authorization\";\t\t\t\t\t}\t\t\t\t\tleaf member-attribute {\t\t\t\t\t\ttype
string;\t\t\t\t\t\tconfigd:help \"The member attribute to use for LDAP group-based
authorization\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf url {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern
\"ldap://.*\" {\t\t\t\t\t\t\terror-message \"Needs to start with
ldap://\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"URL to LDAP server\";\t\t\t\t}\t\t\t\tleaf follow-
referrals {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Follow LDAP Referrals\";\t\t\t\t}\t\t\t\tcontainer
tls {\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Transport Layer Security (TLS) options for LDAP
server connection\";\t\t\t\t\tleaf reqcert {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Request and
perform check on TLS certificate of the LDAP server\";\t\t\t\t\t}\t\t\t\t\tleaf cacert {\t\t\t\t\t\ttype
string {\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/resources/service-
users/ldap/tls/cacert/configd_syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"File containing
certificate for Certificate Authority (CA)\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\tcontainer local
{\t\t\tpresence \"true\";\t\t\tconfigd:help \"Local service user management\";\t\t\tleaf-list group
{\t\t\t\ttype string {\t\t\t\t\tpattern \"[a-zA-Z][a-zA-Z0-9 -]*$?\" {\t\t\t\t\t\tconfigd:error-
message \"Invalid group name $VAR(@)\";\t\t\t\t\t}\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/resources/service-
users/local/group/configd_syntax1.cli\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help
\"Group for service-users\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/resources/service-
users/local/group/configd allowed.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/resources/service-users/local/group/configd_delete.sh\";\t\t\t}\t\t\tlist
user {\t\t\t\tconfigd:help \"Service user account information\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/resources/service-
users/local/user/configd_delete.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/resources/service-users/local/user/configd validate1.cli\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Service user account
information\";\t\t\t\t}\t\t\t\tcontainer auth {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help
\"Authentication password\";\t\t\t\t\tleaf plaintext-password {\t\t\t\t\t\ttype
string;\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\t\tconfigd:help \"Plaintext password for
encryption\";\t\t\t\t\t\tconfigd:subst \"/opt/vyatta/share/tmplscripts/resources/service-
users/local/user/auth/plaintext-password/configd subst1.cli\";\t\t\t\t\t}\t\t\t\t\tleaf encrypted-
password {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/resources/service-users/local/user/auth/encrypted-
password/configd_syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Encrypted
password\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf-list group {\t\t\t\t\ttype string
{\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/resources/service-
users/local/user/group/configd syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tordered-by
\"user\";\t\t\t\t\tconfigd:help \"Service-user group name\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/resources/service-
users/local/user/group/configd_allowed.sh\";\t\t\t\t}\t\t\t\tleaf lock {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Lock local service-user\";\t\t\t\t}\t\t\t\tleaf full-name
{\t\t\t\t\ttype string {\t\t\t\t\t\tpattern \"[^:]*\" {\t\t\t\t\t\t\terror-message \"Cannot use ':' in
full name\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Full name of the user (use quotes for
names with spaces)\";\t\t\t\t}\t\t\t}\t\t}\t\t}\t}</module<module name=\"vyatta-protocols-mld-routing-
instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-mld-routing-instance:1\" revision=\"2016-04-22\"
format=\"yang\" length=\"1023\"module vyatta-protocols-mld-routing-instance-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-protocols-mld-routing-instance:1\";\tprefix vyatta-protocols-mld-routing-
instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix
routing;\t}\timport vyatta-protocols-mld-v1 {\t\tprefix mld;\t}\t\torganization \"Brocade Communications
Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t
San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright
(c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-
protocols-mld-routing-instance-v1\";\trevision 2016-04-22 {\t\tdescription \"Add routing-instance support for
MLD\t\taugment routing/routinginstance/protocols\";\t}\t\taugment /routing:routing/routing:routing-
instance/routing:protocols {\t\tuses mld:mld-parameters {\t\t\trefine mld {\t\t\t\tconfigd:end \"vyatta-igmp
6 --routing-instance $VAR(../../@)\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-vrrp-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-vrrp:1\" revision=\"2016-06-16\" format=\"yang\" length=\"10941\"module
vyatta-vrrp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-vrrp:1\";\tprefix vyatta-vrrp-v1;\timport vyatta-
types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1
{\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport
vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\torganization \"Brocade Communications
Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t
San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright
(c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for
vyatta-vrrp-v1.\";\trevision 2016-06-16 {\t\tdescription \"Make nodes inside authentication container
mandatory,\t\t\t\t Make nodes inside track-interface's weight container mandatory,\t\t\t\t Add
configd:validate to hello-source-address leaf,\t\t\t\t Add must statement to advertise-interval
leaf,\t\t\t\t Add default to version leaf,\t\t\t\t Add must statement to accept leaf,\t\t\t\t Add must
statement to fast-advertise-interval leaf,\t\t\t\t Remove configd:syntax from virtual-address union
types,\t\t\t\t Add min-elements and max-elements to virtual-address leaf list,\t\t\t\t Add must
statements to vrrp-group list\";\t}\trevision 2015-08-06 {\t\tdescription \"Initial revision of version
1.\";\t}\tgrouping vrrp-configuration {\t\tleaf priority {\t\t\ttype uint8 {\t\t\t\trange
1..254;\t\t\t}\t\t\tconfigd:help \"Priority\";\t}\t\tcontainer authentication {\t\t\t\tpresence
\"true\";\t\t\tconfigd:help \"Authentication\";\t\t\tleaf password {\t\t\t\ttype string {\t\t\t\t\tpattern
'[^\\\t\\\n\\\r]{1,8}' {\t\t\t\t\t\terror-message \"Password must be 8 characters or
less\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:secret \"true\";\t\t\t\tconfigd:help
\"Password\";\t\t\tmandatory true;\t\t}\t\t\tleaf type {\t\t\t\ttype enumeration {\t\t\t\t\tenum
\"plaintext-password\" {\t\t\t\t\t\tconfigd:help \"Plain text password mode\";\t\t\t\t\t}\t\t\t\t\tenum

```
\"ah\" {\t\t\t\t\t\tconfigd:help \"IP Authentication Header mode\";\t\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help
\"Authentication type\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-
group/authentication/type/configd allowed.sh\";\t\t\t\tmandatory true;\t\t\t}\t\t\tmust \"not(../version =
3)\" {\t\t\t\terror-message \"Cannot define authentication for version 3\";\t\t\t}\t\t}\t\t\tleaf hello-source-
address {\t\t\ttype union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype types:ipv6-
address;\t\t\t}\t\t\tconfigd:help \"Hello source address\";\t\t\t// Script required as accesses data not
stored in configuration.\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-
group/hello-source-address/configd validate.cli $VAR(@)\";\t\t}\t\tleaf preempt {\t\t\ttype
boolean;\t\t\tconfigd:help \"Preempt mode\";\t\t\tdefault \"true\";\t\t}\t\tleaf disable {\t\t\ttype
empty;\t\t\tconfigd:help \"VRRP group disabled\";\t\t}\t\tcontainer run-transition-scripts {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"Scripts for VRRP state-transitions\";\t\t\tleaf master {\t\t\t\ttype string
{\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/run-transition-
scripts/master/configd syntax1.cli\";\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/run-transition-
scripts/master/configd syntax2.cli\";\t\t\t}\t\t\tconfigd:help \"Script to run on VRRP state-transition
to master\";\t\t\t}\t\t\tleaf backup {\t\t\t\ttype string {\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/run-transition-
scripts/backup/configd_syntax1.cli\";\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/run-transition-
scripts/backup/configd syntax2.cli\";\t\t\t}\t\t\tconfigd:help \"Script to run on VRRP state-transition
to backup\";\t\t\t}\t\t\tleaf fault {\t\t\t\ttype string {\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/run-transition-
scripts/fault/configd_syntax1.cli\";\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/run-transition-
scripts/fault/configd syntax2.cli\";\t\t\t}\t\t\tconfigd:help \"Script to run on VRRP state-transition to
fault\";\t\t\t}\t\t}\t\tleaf preempt-delay {\t\t\ttype uint16 {\t\t\t\trange
0..1000;\t\t\t}\t\t\tconfigd:help \"Preempt delay\";\t\t}\t\tleaf advertise-interval {\t\t\ttype uint8
{\t\t\t\trange 1..255;\t\t\t}\t\t\tconfigd:help \"Advertise interval\";\t\t\tmust \"../version = 2\"
{\t\t\t\terror-message \"Fast-advertise-interval is allowed when version 3 is
configured\";\t\t\t}\t\t}\t\tleaf sync-group {\t\t\ttype string;\t\t\tconfigd:help \"Add this vrrp group to a
sync group\";\t\t}\t\tleaf rfc-compatibility {\t\t\ttype empty;\t\t\tconfigd:help \"Enable RFC
compatibility\";\t\t}\t\tleaf version {\t\t\ttype uint8 {\t\t\trange 2..3;\t\t\t}\t\t\tdefault
\"2\";\t\t\tconfigd:help \"Version 2 is for RFC3768 and version 3 is for RFC5798\";\t\t}\t\tleaf accept
{\t\t\ttype boolean;\t\t\tconfigd:help \"Accept mode for VRRPv3\";\t\t\tdefault \"false\";\t\t\tmust
\"(not(current() = 'true' and ../version = 2))\" {\t\t\t\terror-message \"Accept mode is supported only for
VRRPv3\";\t\t\t}\t\t}\t\tleaf fast-advertise-interval {\t\t\ttype uint16 {\t\t\t\trange
10..40950;\t\t\t}\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/fast-
advertise-interval/configd validate.cli\";\t\t\tconfigd:help \"Fast advertise interval in milliseconds. Value
should be multiples of 10\";\t\t\tmust \"../version = 3\" {\t\t\t\terror-message \"Fast-advertise-interval is
allowed when version 3 is configured\";\t\t\t}\t\t}\t\tlist track-interface {\t\t\tconfigd:help \"Interface
to be tracked\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/track-
interface/configd allowed.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype
string;\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/track-
interface/configd allowed.sh\";\t\t\t\tconfigd:help \"Interface name\";\t\t\t}\t\t\tcontainer weight
{\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Weight of the tracked interface\";\t\t\t\tleaf value
{\t\t\t\t\tconfigd:help \"Value to increment or decrement the priority\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/track-
interface/weight/value/configd validate2.cli\";\t\t\t\t\ttype uint8 {\t\t\t\t\t\trange
1..254;\t\t\t\t\t}\t\t\t\t\tmandatory true;\t\t\t\t}\t\t\t\tleaf type {\t\t\t\t\tconfigd:help \"Increment or
decrement the priority\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-
group/track-interface/weight/type/configd_validate1.cli\";\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum
\"increment\" {\t\t\t\t\t\t\tconfigd:help \"Increment the priority\";\t\t\t\t\t\t}\t\t\t\t\t\tenum
\"decrement\" {\t\t\t\t\t\t\tconfigd:help \"Decrement the
priority\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tmandatory true;\t\t\t\t}\t\t\t}\t\t}\t\tleaf-list virtual-
address {\t\t\ttype union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype types:ipv6-address;\t\t\t}\t\t\tmin-
elements 1;\t\t\tmax-elements 20;\t\t\tordered-by \"user\";\t\t\tconfigd:help \"Virtual address for IPv4 or
IPv6 [REQUIRED]\";\t\t}\t}\tgrouping itf-vrrp {\t\tcontainer vrrp {\t\t\tconfigd:help \"Virtual Router
Redundancy Protocol (VRRP)\";\t\t\tconfigd:priority \"800\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/configd end.sh\";\t\t\tlist vrrp-group
{\t\t\t\tconfigd:help \"VRRP group number\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-group/configd_delete.sh\";\t\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..255 {\t\t\t\t\t\t\terror-
message \"VRRP group must be between 1-255\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"VRRP group
number\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help
\"Description\";\t\t\t\t}\t\t\t\tcontainer notify {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help
\"Protocol to notify on VRRP state transition\";\t\t\t\t\tleaf bgp {\t\t\t\t\t\ttype
empty;\t\t\t\t\t\tconfigd:help \"Notify bgp daemon on VRRP state transition\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/vrrp/vrrp-
group/notify/bgp/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf ipsec {\t\t\t\t\t\ttype
empty;\t\t\t\t\t\tconfigd:help \"Enable ipsec restart/stop on VRRP state
transition\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tuses vrrp-configuration;\t\t\t\tmust \"( (count(virtual-
address[contains(., '.')]) > 0 and count(virtual-address[contains(., ':')]) = 0) \" +\t\t\t\t\t\"or
(count(virtual-address[contains(., '.')]) = 0 and count(virtual-address[contains(., ':')]) > 0) \"
+\t\t\t\t\t\"or (count(virtual-address) = 0) )\" { \t\t\t\t\terror-message \"Cannot apply IPv4 and IPv6
addresses to a single VRRP group. Use single address family per group\";\t\t\t\t}\t\t\t\tmust \"(
(count(virtual-address[contains(., ':')]) > 0 and count(virtual-address[contains(., 'fe80::')]) > 0) \"
+\t\t\t\t\t\"or (count(virtual-address[contains(., '.')]) > 0) \" +\t\t\t\t\t\"or (count(virtual-address) =
0))\" {\t\t\t\t\terror-message \"VRRPv3 IPv6 groups must have at least one link-local virtual
address\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping itf-vif-vrrp {\t\tcontainer vrrp {\t\t\tconfigd:help \"Virtual
Router Redundancy Protocol (VRRP)\";\t\t\tconfigd:priority \"800\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/interfaces/all/vif/vrrp/configd end.sh\";\t\t\tlist vrrp-group
{\t\t\t\tconfigd:help \"VRRP group number\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/vif/vrrp/vrrp-group/configd_delete.sh\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..255 {\t\t\t\t\t\t\terror-
```

```
message \"VRRP group must be between 1-255\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"VRRP group
number\";\t\t\t\t}\t\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help
\"Description\";\t\t\t\t}\t\t\t\t\tcontainer notify {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help
\"Protocol to notify on VRRP state transition\";\t\t\t\t\tleaf bgp {\t\t\t\t\t\ttype
empty;\t\t\t\t\t\tconfigd:help \"Notify bgp daemon on VRRP state transition\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/vif/vrrp/vrrp-
group/notify/bgp/configd_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf ipsec {\t\t\t\t\t\ttype
empty;\t\t\t\t\t\tconfigd:help \"Enable ipsec restart/stop on VRRP state
transition\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\tuses vrrp-configuration;\t\t\t\tmust \"( (count(virtual-
address[contains(., '.')]) > 0 and count(virtual-address[contains(., ':')]) = 0) \" +\t\t\t\t\t\"or
(count(virtual-address[contains(., '.')]) = 0 and count(virtual-address[contains(., ':')]) > 0) \"
+\t\t\t\t\t\"or (count(virtual-address) = 0) )\" { \t\t\t\t\terror-message \"Cannot apply IPv4 and IPv6
addresses to a single VRRP group. Use single address family per group\";\t\t\t\t}\t\t\t\tmust \"(
(count(virtual-address[contains(., ':')]) > 0 and count(virtual-address[contains(., 'fe80::')]) > 0) \"
+\t\t\t\t\t\"or (count(virtual-address[contains(., '.')]) > 0) \" +\t\t\t\t\t\"or (count(virtual-address) =
0))\" {\t\t\t\t\terror-message \"VRRPv3 IPv6 groups must have at least one link-local virtual
address\";\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\taugment /if:interfaces/interfaces-dataplane:dataplane {\t\tuses itf-
vrrp;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif {\t\tuses itf-vif-
vrrp;\t}\taugment /if:interfaces/interfaces-bonding:bonding {\t\tuses itf-vrrp;\t}\taugment
/if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif {\t\tuses itf-vif-vrrp;\t}}</module<module
name=\"vyatta-security-ssh-known-hosts-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-ssh-known-hosts:1\"
revision=\"2016-02-24\" format=\"yang\" length=\"2100\"module vyatta-security-ssh-known-hosts-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-ssh-known-hosts:1\";\tprefix vyatta-security-ssh-known-hosts-v1;\timport vyatta-
security-v1 {\t\tprefix security;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger
Way\t\t        San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communication Systems, Inc.\t\t All rights
reserved.\t\t SSH known hosts configuration\";\trevision 2016-02-24 {\t\tdescription \"Use a grouping. This
is needed for the routing-instance upgrade.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of
version 1.\";\t}\tgrouping ssh-known-host {\t\tcontainer ssh-known-hosts {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"SSH known, trusted hosts\";\t\t\tlist host {\t\t\tconfigd:help \"Host name or
IP of trusted remote host\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/security/ssh-known-
hosts/host/configd_validate1.cli\";\t\t\t\tkey \"tagnode\";\t\t\t\tdescription \"Host name or IP of trusted
remote host\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Host name or IP of remote
trusted host\";\t\t\t\t}\t\t\t\tleaf key {\t\t\t\t\ttype string {\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/security/ssh-known-
hosts/host/key/configd syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Public key for
host\";\t\t\t\t}\t\t\t\tleaf load-from-file {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Load public key
from file\";\t\t\t\t\tconfigd:subst \"/opt/vyatta/share/tmplscripts/security/ssh-known-hosts/host/load-from-
file/configd_subst1.cli\";\t\t\t\t}\t\t\t\tleaf fetch-from-server {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Query remote server for public key\";\t\t\t\t\tconfigd:subst
\"/opt/vyatta/share/tmplscripts/security/ssh-known-hosts/host/fetch-from-
server/configd subst1.cli\";\t\t\t\t}\t\t\t}\t\t}\t}\taugment /security:security {\t\tuses ssh-known-host
{\t\t\trefine ssh-known-hosts {\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/security/ssh-known-
hosts/configd_end.sh default\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-types-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-types:1\" revision=\"2015-08-05\" format=\"yang\" length=\"6647\"module
vyatta-types-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-types:1\";\tprefix vyatta-types-v1;\timport ietf-
inet-types {\t\tprefix inet;\t}\timport ietf-yang-types {\t\tprefix ietf;\t}\timport configd-v1 {\t\tprefix
configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t        San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t This module implements vyatta-types-v1.\";\trevision 2015-08-05 {\t\tdescription
\"Initial revision of version 1.\";\t}\ttypedef ipv4-address {\t\ttype inet:ipv4-address
{\t\t\tconfigd:pattern-help \"<x.x.x.x>\";\t\t}\t\tconfigd:help \"IPv4 Address\";\t\t\tconfigd:normalize
\"normalize ipv4\";\t\t}\t}\ttypedef neg-ipv4-address {\t\ttype string {\t\t\tpattern '!(([0-9]|[1-9][0-
9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\.){3}'\t\t\t\t+  '([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-
5])';\t\t\t\tconfigd:pattern-help \"!<x.x.x.x>\";\t\t}\t\tconfigd:help \"Except IPv4
Address\";\t\t\tconfigd:normalize \"normalize neg-ipv4\";\t\t}\t}\ttypedef ipv6-address {\t\ttype inet:ipv6-
address {\t\t\tconfigd:pattern-help \"<h:h:h:h:h:h:h:h>\";\t\t\tconfigd:help \"IPv6
Address\";\t\t\tconfigd:normalize \"normalize ipv6\";\t\t}\t}\ttypedef neg-ipv6-address {\t\ttype string
{\t\t\tpattern '!((:|[0-9a-fA-F]{0,4}):)([0-9a-fA-F]{0,4}:){0,5}'\t\t\t\t+  '((([0-9a-fA-F]{0,4}:)?(:|[0-9a-
fA-F]{0,4}))|'\t\t\t\t+  '(((25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])\\.){3}'\t\t\t\t+  '(25[0-5]|2[0-4][0-
9]|[01]?[0-9]?[0-9])))';\t\t\tpattern '!(([^:]+:){6}(([^:]+:[^:]+)|(.*\\..*)))|'\t\t\t\t+
'((([^:]+:)*[^:]+)?::(([^:]+:)*[^:]+)?)';\t\t\tconfigd:pattern-help \"!<h:h:h:h:h:h:h:h>\";\t\t\tconfigd:help
\"Except IPv6 Address\";\t\t\tconfigd:normalize \"normalize neg-ipv6\";\t\t}\t}\ttypedef ip-address {\t\ttype
union {\t\t\ttype ipv4-address;\t\t\ttype ipv6-address;\t\t\tconfigd:normalize \"normalize
ip\";\t\t}\t}\ttypedef ipv4-prefix {\t\ttype string {\t\t\tpattern '(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-
9]|25[0-5])\\.){3}'\t\t\t\t+  '([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])'\t\t\t\t+ '/(([0-9])|([1-
2][0-9])|(3[0-2]))';\t\t\tconfigd:pattern-help \"<x.x.x.x/x>\";\t\t\tconfigd:help \"IPv4
Prefix\";\t\t\tconfigd:normalize \"normalize ipv4\";\t\t}\t}\ttypedef neg-ipv4-prefix {\t\ttype string
{\t\t\tpattern '!(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\.){3}'\t\t\t\t+  '([0-9]|[1-9][0-
9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])'\t\t\t\t+ '/(([0-9])|([1-2][0-9])|(3[0-2]))';\t\t\tconfigd:pattern-help
\"!<x.x.x.x/x>\";\t\t\tconfigd:help \"Except IPv4 Prefix\";\t\t\tconfigd:normalize \"normalize neg-ipv4-
prefix\";\t\t}\t}\ttypedef ipv6-prefix {\t\ttype string {\t\t\tpattern '((:|[0-9a-fA-F]{0,4}):)([0-9a-fA-
F]{0,4}:){0,5}'\t\t\t\t+  '((([0-9a-fA-F]{0,4}:)?(:|[0-9a-fA-F]{0,4}))|'\t\t\t\t+  '(((25[0-5]|2[0-4][0-
9]|[01]?[0-9]?[0-9])\\.){3}'\t\t\t\t+  '(25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])))'\t\t\t\t+  '(/(([0-9])|([0-
9]{2})|(1[0-1][0-9])|(12[0-8])))';\t\t\tpattern '((^:]+:){6}(([^:]+:[^:]+)|(.*\\..*)))|'\t\t\t\t+
'((([^:]+:)*[^:]+)?::(([^:]+:)*[^:]+)?)'\t\t\t\t+ '(/.+)';\t\t\tconfigd:pattern-help
\"<h:h:h:h:h:h:h:h/x>\";\t\t\tconfigd:help \"IPv6 Prefix\";\t\t\tconfigd:normalize \"normalize
ipv6\";\t\t}\t}\ttypedef neg-ipv6-prefix {\t\ttype string {\t\t\tpattern '!((:|[0-9a-fA-F]{0,4}):)([0-9a-fA-
F]{0,4}:){0,5}'\t\t\t\t+  '((([0-9a-fA-F]{0,4}:)?(:|[0-9a-fA-F]{0,4}))|'\t\t\t\t+  '(((25[0-5]|2[0-4][0-
9]|[01]?[0-9]?[0-9])\\.){3}'\t\t\t\t+  '(25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])))'\t\t\t\t+  '(/(([0-9])|([0-
9]{2})|(1[0-1][0-9])|(12[0-8])))';\t\t\tpattern '!(([^:]+:){6}(([^:]+:[^:]+)|(.*\\..*)))|'\t\t\t\t+
'((([^:]+:)*[^:]+)?::(([^:]+:)*[^:]+)?)'\t\t\t\t+ '(/.+)';\t\t\tconfigd:pattern-help
```

\"!<h:h:h:h:h:h:h:h/x>\";\t\t\tconfigd:help \"Except IPv6 Prefix\";\t\t\tconfigd:normalize \"normalize neg-ipv6-prefix\";\t\t}\t}\t\ttypedef ip-prefix {\t\ttype union {\t\t\ttype ipv4-prefix;\t\t\ttype ipv6-prefix;\t\t\tconfigd:normalize \"normalize ip\";\t\t}\t}\t\ttypedef hostname-port {\t\ttype string {\t\t\tpattern '([A-Za-z0-9][-A-Za-z0-9]{0,62})'   + '(\\.[A-Za-z0-9][-A-Za-z0-9]{0,62})*'   + '(:[1-9][0-9]{0,4})?';   pattern '([-A-Za-z0-9._]{1,255})'   + '(:[0-9]{0,5})?';\t\t\tconfigd:pattern-help \"<hostname[:port]>\";\t\t\tconfigd:help \"Remote host name and optional port\";\t\t}\t}\t\ttypedef domain-name {\t\ttype string {\t\t\tlength \"1..253\";\t\t\tpattern '([a-zA-Z0-9](([a-zA-Z0-9\\-]){0,61})'\t\t\t   + '?[a-zA-Z0-9])(\\.[a-zA-Z0-9](([a-zA-Z0-9\\-]))'\t\t\t   + '{0,61})?[a-zA-Z0-9])*';\t\t\tconfigd:pattern-help \"<domainname>\";\t\t}\t}\t\ttypedef host {\t\ttype union {\t\t\ttype ip-address;\t\t\ttype domain-name;\t\t}\t}\t\ttypedef ipv4-addr-port {\t type string {\t   pattern '(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\.){3}'\t   + '([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])'\t\t   + '(:[1-9][0-9]{0,4})?';\t   configd:pattern-help \"<x.x.x.x[:port]>\";\t   configd:help \"IPv4 Address and optional port\";\t }\t}\t\ttypedef ipv6-addr-port {\t type string {\t   pattern '\\[((:|[0-9a-fA-F]{0,4}):)([0-9a-fA-F]{0,4}:){0,5}'\t\t + '((([0-9a-fA-F]{0,4}:)?(:|[0-9a-fA-F]{0,4}))|'\t\t + '(((25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])\\.){3}'\t\t + '(25[0-5]|2[0-4][0-9]|[01]?[0-9]?[0-9])))\\]'\t\t + '(:[1-9][0-9]{0,4})?';\t   configd:pattern-help \"<[h:h:h:h:h:h:h:h][:port]>\";\t   configd:help \"IPv6 Address enclosed in brackets and optional port\";\t }\t}\t\ttypedef mac-address {\t\ttype ietf:mac-address {\t\t\tconfigd:pattern-help \"<h:h:h:h:h:h>\";\t\t\tconfigd:help \"MAC Address\";\t\t\tconfigd:normalize \"normalize mac\";\t\t}\t}\t\ttypedef alpha-numeric {\t\ttype string {\t\t\tpattern '[0-9A-Za-z][- 0-9A-Za-z]*'\t\t\tterror-message \"only alpha-numeric name allowed\";\t\t}\t\t\tconfigd:pattern-help \"<alpha-numeric>\";\t\t\tconfigd:help \"Alpha-numeric, with non-leading - or \";\t\t}\t}\t\ttypedef port {\t\ttype uint16 {\t\t\trange \"1..65535\";\t\t\tconfigd:help \"Numbered port\";\t\t}\t}\t\ttypedef port-range {\t\ttype string {\t\t\tpattern '([1-9][0-9]{0,4})-([1-9][0-9]{0,4})';\t\t\tconfigd:pattern-help \"<1..65535>-<1..65535>\";\t\t\tconfigd:syntax 'vyatta-validate-type portrange $VAR(@)';\t\t\tconfigd:help \"Numbered port range (e.g. 1001-1005)\";\t\t}\t}\t\ttypedef cpu-range {\t\ttype string {\t\t\tpattern \"[0-9]+(-[0-9]+)?(,[0-9]+(-[0-9]+)?)*\";\t\t\tconfigd:pattern-help \"<cpu>[-<cpu>][,<cpu>[-<cpu>]...]\";\t\t\tconfigd:help \"Numbered range of cpu's (e.g 0-7)\";\t\t}\t}\t\ttypedef interface-ifname {\t\ttype string {\t\t\tlength 1..15;\t\t\tpattern '[A-Za-z][-_.0-9A-Za-z]*' {\t\t\terror-message \"Only alpha-numeric name, with non-leading . - or _ allowed\";\t\t}\t\t\tconfigd:pattern-help \"<alpha-numeric non-leading . - or >\";\t\t\tconfigd:help \"Interface Name\";\t\t}\t}}</module><module name=\"vyatta-system-mgmt-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-mgmt:1\" revision=\"2016-03-17\" format=\"yang\" length=\"2255\"module vyatta-system-mgmt-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-mgmt:1\";\tprefix vyatta-system-mgmt-v1;\timport vyatta-system-v1 {\tprefix system;\t}\timport configd-v1 {\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-system-mgmt-v1\";\trevision 2016-03-17 {\t\tdescription \"Move commit-archive to grouping.\";\t}\trevision 2015-12-04 {\t\tdescription \"Convert comp_help extension to description.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping cfg-mgt-commit-archive-group {\tcontainer commit-archive {\t\tpresence\t\t\t \"Enables config commit archive to remote locations\";\t\tdescription \"Remote locations for archived config commit\";\t\tconfigd:priority \"400\";\t\tconfigd:help \"Commit archival settings\";\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/system/config-management/commit-archive/configd_end.sh\";\t\tleaf-list location {\t\t\tdescription \"Location of commit archive\t\t\t\t URLs supported are:\t\t\t\t   - scp://<user>:<passwd>@<host>/<dir>\t\t\t\t   - ftp://<user>:<passwd>@<host>/<dir>\t\t\t\t   - tftp://<host>/<dir>\";\t\t\ttype string {\t\t\t\tpattern '(tftp|ftp|scp)://.*/.*' {\t\t\t\terror-message \"URL scheme must one of tftp, ftp, scp\";\t\t\t\t}\t\t\t}\t\t\tordered-by \"user\";\t\t\tconfigd:help \"Commit archive location\";\t\t}\t}\t}\taugment /system:system {\tcontainer config-management {\t\tpresence \"true\";\t\tconfigd:help \"Configuration management settings\";\t\tuses cfg-mgt-commit-archive-group;\t\tleaf commit-revisions {\t\t\ttype uint32 {\t\t\t\trange 0..65535 {\t\t\t\t\terror-message \"Commit revisions must be in range 0 to 65535\";\t\t\t\t}\t\t\t}\t\t\tconfigd:priority \"400\";\t\t\tconfigd:help \"Commit revisions\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/system/config-management/commit-revisions/configd_update.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/config-management/commit-revisions/configd_delete.sh\";\t\t}\t}\t}}</module><module name=\"vyatta-service-dns-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-dns-routing-instance:1\" revision=\"2016-04-18\" format=\"yang\" length=\"1440\"module vyatta-service-dns-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-dns-routing-instance:1\";\tprefix vyatta-service-dns-routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-system-network-routing-instance-v1 {\t\tprefix rt-sys-net;\t}\timport vyatta-routing-v1 {\t\tprefix rt-instance;\t}\timport vyatta-service-dns-v1 {\t\tprefix service-dns;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\tPostal: 130 Holger Way\t\tSan Jose, CA 95134\t\tE-mail: support@Brocade.com\t\tWeb: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-dns-routing-instance-v1\";\trevision 2016-04-18 {\t\tdescription \"Add dns to routing instance.\";\t}\taugment /rt-instance:routing/rt-instance:routing-instance/rt-instance:service {\tcontainer dns {\t\t\tpresence \"Enable service DNS for routing instance\";\t\t\tdescription \"Dns service in routing-instance\";\t\t\tconfigd:help \"Domain Name Server (DNS) parameters\";\t\t\tuses service-dns:dns-service-forwarding {\t\t\t\trefine forwarding/system {\t\t\t\t\tmust \"/rt-instance:routing/rt-instance:routing-instance/rt-instance:system/rt-sys-net:name-server\" {\t\t\t\t\t\terror-message\t\t\t\t\t\t\"No name-servers set under 'routing-instance system name-server\";\t\t\t\t}\t\t\t}\t\t\tuses service-dns:dns-service-dynamic;\t\t}\t}}</module><module name=\"vyatta-protocols-bgp-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-bgp-routing-instance:1\" revision=\"2016-06-01\" format=\"yang\" length=\"8704\"module vyatta-protocols-bgp-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-bgp-routing-instance:1\";\tprefix vyatta-protocols-bgp-routing-instance-v1;\timport vyatta-protocols-v1 {\tprefix protocols;\t}\timport vyatta-protocols-bgp-v1 {\tprefix protocols-bgp;\t}\timport configd-v1 {\tprefix configd;\t}\timport vyatta-routing-v1 {\tprefix routing-instance;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-bgp-routing-instance-v1\";\trevision 2016-06-01 {\t\tdescription \"Adding more debug logs and grouping them as

106

well\";\t}\trevision 2016-05-06 {\t\tdescription \"Adding route-target and import-route-map configuration for vrf\";\t}\trevision 2016-04-26 {\t\tdescription \"Initial revision of version 1\";\t}\ttypedef rt-rd {\t\ttype union {\t\t\ttype string {\t\t\t\t//ASN:NN format. Allowing 2-byte:4-byte (65535:4294967295)\t\t\t\tpattern '([0-9]|[1-9]\\d{1,3}|[1-5]\\d{4}|6[0-4]\\d{3}|65[0-4]\\d{2}|655[0-2]\\d|6553[0-5])'\t\t\t\t+ ':'\t\t\t\t+ '([0-9]|[1-9]\\d{1,8}|[1-3]\\d{9}|4[0-1]\\d{8}|42[0-8]\\d{7}|429[0-3]\\d{6}|4294[0-8]\\d{5}'\t\t\t\t+ '42949[0-5]\\d{4}|429496[0-6]\\d{3}|4294967[0-1]\\d{2}|42949672[0-8]\\d|429496729[0-5])';\t\t\t}\t\t\ttype string {\t\t\t\t//ASN:NN format. Allowing 4-byte:2-byte (4294967295:65535)\t\t\t\tpattern '([0-9]|[1-9]\\d{1,8}|[1-3]\\d{9}|4[0-1]\\d{8}|42[0-8]\\d{7}|429[0-3]\\d{6}|4294[0-8]\\d{5}|'\t\t\t\t+ '42949[0-5]\\d{4}|429496[0-6]\\d{3}|4294967[0-1]\\d{2}|42949672[0-8]\\d|429496729[0-5])'\t\t\t\t+ ':'\t\t\t\t+ '([0-9]|[1-9]\\d{1,3}|[1-5]\\d{4}|6[0-4]\\d{3}|65[0-4]\\d{2}|655[0-2]\\d|6553[0-5])';\t\t}\t\t\ttype string {\t\t\t//IPAddress:NN format. Allowing IpAddress:2-byte\t\t\tpattern '(([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])\\.){3}'\t\t\t+ '([0-9]|[1-9][0-9]|1[0-9][0-9]|2[0-4][0-9]|25[0-5])'\t\t\t\t+ ':'\t\t\t\t+ '([0-9]|[1-9]\\d{1,3}|[1-5]\\d{4}|6[0-4]\\d{3}|65[0-4]\\d{2}|655[0-2]\\d|6553[0-5])';\t\t}\t}\t}\t/* Confederation identifier can be configured only in default routing-instance */\tgrouping bgp-params-global-confederation-vrf {\t\tcontainer confederation {\t\t\tdescription \"AS confederation parameters for Non-default BGP Routing Instance\";\t\t\tpresence \"BGP Confederation config\";\t\t\tconfigd:help \"AS confederation parameters\";\t\t\tuses protocols-bgp:bgp-params-global-confederation-peers;\t\t} /*confederation*/\t}\t/* BGP Global parameters supported under routing-instance, limited set */\tgrouping bgp-params-global-vrf {\t\tcontainer parameters {\t\t\tdescription \"BGP Global parameters that can be configured under Non-default BGP Routing Instance\";\t\t\tpresence \"Enables BGP parameters\";\t\t\tconfigd:help \"BGP parameters\";\t\t\tuses protocols-bgp:bgp-params-global-no-rtm;\t\t\tuses protocols-bgp:bgp-params-global-always-compare-med;\t\t\tuses protocols-bgp:bgp-params-global-default;\t\t\tuses bgp-params-global-confederation-vrf;\t\t\tuses protocols-bgp:bgp-params-global-bestpath;\t\t\tuses protocols-bgp:bgp-params-global-log-neighbor-changes;\t\t\tuses protocols-bgp:bgp-params-global-no-fast-external-failover;\t\t\tuses protocols-bgp:bgp-params-global-enforce-first-as;\t\t\tuses protocols-bgp:bgp-params-global-med-out-delay;\t\t\tuses protocols-bgp:bgp-params-global-no-client-to-client-reflection;\t\t\tuses protocols-bgp:bgp-params-global-deterministic-med;\t\t\tuses protocols-bgp:bgp-params-global-maximum-paths;\t\t\tuses protocols-bgp:bgp-params-global-router-id;\t\t}\t}\t/* BGP logging supported under routing-instance */\tgrouping bgp-params-vrf-log {\t\tcontainer log {\t\t\tdescription \"BGP logging configuration parameters under Non-default BGP Routing Instance\";\t\t\tconfigd:help \"BGP logging parameters\";\t\t\tuses protocols-bgp:bgp-params-log-all;\t\t\tuses protocols-bgp:bgp-params-log-events;\t\t\tuses protocols-bgp:bgp-params-log-filters;\t\t\tuses protocols-bgp:bgp-params-log-fsm;\t\t\tuses protocols-bgp:bgp-params-log-keepalive;\t\t\tuses protocols-bgp:bgp-params-log-update;\t\t\tuses protocols-bgp:bgp-params-log-bfd;\t\t\tuses protocols-bgp:bgp-params-log-dampening;\t\t\tuses protocols-bgp:bgp-params-log-msdp;\t\t}\t}\tgrouping bgp-routing-instance {\t\tlist bgp {\t\t\tconfigd:priority \"730\";\t\t\tdescription \"BGP configuration parameters under Non-default Routing Instance\";\t\t\tconfigd:help \"Border Gateway Protocol (BGP) parameters\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/bgp/configd_end_routing_instance.sh\";\t\t\tmust \"count(../bgp/tagnode) <= 1\" {\t\t\t\terror-message \"Another BGP instance is already running\";\t\t\t}\t\t\t/* Default BGP configuration is mandatory */\t\t\tmust \"(/protocols:protocols/protocols-bgp:bgp)\" {\t\t\t\terror-message \"Global BGP is not configured\";\t\t\t}\t\t\t/* RD is mandatory to configure BGP under routing-instance */\t\t\tmust \"(../../route-distinguisher)\" {\t\t\t\terror-message \"Route Distinguisher is not configured on the Routing Instance\";\t\t\t}\t\t\t/*\t\t\t'asnumber' will be a more meaningful name for the key field than\t\t\t'tagnode'. But protocol-bgp module has few groups which are reused here\t\t\tand those groups refer to this field as 'tagnode'. 'list bgp' key field\t\t\tis named as 'tagnode' in protocol-bgp module. We cannot change that name\t\t\tat present because it breaks backward compatibility.\t\t\t*/\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\tdescription \"BGP AS Number\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..max;\t\t\t\t}\t\t\t\tconfigd:help \"Border Gateway Protocol (BGP) parameters\";\t\t\t\t//ASN should be same as Global BGP\t\t\t\tmust \"(current() = /protocols:protocols/protocols-bgp:bgp/protocols-bgp:tagnode)\" {\t\t\t\t\terror-message \"AS Number must be same as the Global BGP\";\t\t\t\t}\t\t\t}\t\t\tuses bgp-params-global-vrf;\t\t\tuses protocols-bgp:bgp-params-peer-group;\t\t\tuses protocols-bgp:bgp-params-neighbor {\t\t\t\trefine neighbor {\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/bgp/neighbor/configd_validate_routing_instance.sh\";\t\t\t\t}\t\t\t}\t\t\tuses protocols-bgp:bgp-params-address-family;\t\t\tuses bgp-params-vrf-log;\t\t}\t}\t/* BGP specific routing instance parameters */\tgrouping bgp-routing-instance-params {\t\tleaf route-distinguisher {\t\t\tconfigd:priority \"720\";\t\t\ttype rt-rd;\t\t\tdescription \"Configure Route Distinguisher in ASN:NN or IPAddress:NN format\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/bgp/config rd.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bgp/config_rd.sh\";\t\t\tconfigd:help \"Route Distinguisher in ASN:NN or IPAddress:NN format\";\t\t\tmust \"count(/routing-instance:routing/routing-instance:routing-instance[route-distinguisher = current()]) <= 1\" {\t\t\t\terror-message \"Route Distinguisher must be unique across the Routing Instances\";\t\t\t}\t\t\t/* 4-byte ASN cannot be configured unless Ext ASN is configured.\t\t\t Second condition is to relax the IP address */\t\t\tmust \"((substring-before(current(), ':') <= 65535) or (contains(substring-before(current(), ':'), '.')) or \"\t\t\t\t+\t\t\t\t\"(/protocols:protocols/protocols-bgp:bgp/protocols-bgp:parameters/protocols-bgp:extended-asn-capability))\" {\t\t\t\terror-message \"Extended ASN Capability must be enabled for configuring ASN greater than 65535\";\t\t\t}\t\t}\t\tlist route-target {\t\t\tconfigd:priority \"720\";\t\t\tdescription \"Configure Route-Target in ASN:NN or IPAddress:NN format\";\t\t\tconfigd:help \"Route Target in ASN:NN or IPAddress:NN format\";\t\t\tkey \"rt\";\t\t\tleaf rt {\t\t\t\ttype rt-rd;\t\t\t\tdescription \"Configure Route-Target in ASN:NN or IPAddress:NN format\";\t\t\t\tconfigd:help \"Route-target\";\t\t\t}\t\t\tleaf type {\t\t\t\ttype enumeration {\t\t\t\t\tenum \"import\" {\t\t\t\t\t\tconfigd:help \"import routes with this route-target\";\t\t\t\t\t\tdescription \"import routes with this route-target\";\t\t\t\t\t}\t\t\t\t\tenum \"export\" {\t\t\t\t\t\tconfigd:help \"export routes with this route-target\";\t\t\t\t\t\tdescription \"export routes with this route-target\";\t\t\t\t\t}\t\t\t\t\tenum \"both\" {\t\t\t\t\t\tconfigd:help \"export and import routes with this route-target\";\t\t\t\t\t\tdescription \"export and import routes with this route-target\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tdescription \"Configure Route-Target Type\";\t\t\t\tconfigd:help \"Route-target type\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/bgp/config_rt.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bgp/config rt.sh\";\t\t\t}\t\t}\t}\t/* Augmenting to protocols - routing-instance - VRF */\taugment /routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols {\t\tuses bgp-routing-instance;\t}\t/* Augmenting to routing-instance - VRF */\taugment /routing-instance:routing/routing-instance:routing-instance/routing-instance {\t\tuses bgp-routing-instance-

params;\t}}</module<module name=\"vyatta-service-twamp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-twamp:1\"
revision=\"2016-04-01\" format=\"yang\" length=\"10320\"module vyatta-service-twamp-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-service-twamp:1\";\tprefix vyatta-service-twamp-v1;\timport ietf-inet-types
{\t\tprefix inet;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix
service;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport ietf-yang-types {\t\tprefix
ietf;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t TWAMP server configuration and twping RPC.\";\trevision 2016-04-01 {\t\tdescription
\"Move TWAMP parameters to the twamp-parameters grouping\";\t}\trevision 2016-01-07 {\t\tdescription \"Add
twping rpc.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}}\ttypedef
session-num {\t\ttype uint16 {\t\t\trange 1..64 {}\t\t}\t}\ttypedef timeout {\t\ttype uint16 {\t\t\trange
1..3600 {}\t\t}\t}\t// Same as types:ip-prefix, but normalising the prefixes so\t// that they don't have
addresses inconsistent with mask\ttypedef ip-prefix {\t\ttype union {\t\t\ttype types:ipv4-prefix
{\t\t\t\tconfigd:normalize \"normalize ipv4-prefix\";\t\t\t}\t\t\ttype types:ipv6-prefix
{\t\t\t\tconfigd:normalize \"normalize ipv6-prefix\";\t\t\t}\t\t}\t}}\trpc twping {\t\tdescription \"Measure
the round trip time using TWAMP\";\t\ttypedef time-interval-ms {\t\t\tdescription \"Floating point value
representing a time interval\";\t\t\ttype decimal64 {\t\t\t\tfraction-digits 12;\t\t\t}\t\t\tunits
\"milliseconds\";\t\t}\t\tgrouping min-max-time {\t\t\tleaf min {\t\t\t\tdescription \"Minimum time observed
during the sample period\";\t\t\t\ttype time-interval-ms;\t\t\t}\t\t\tleaf max {\t\t\t\tdescription \"Maximum
time observed during the sample period\";\t\t\t\ttype time-interval-ms;\t\t\t}\t\t}\t\tgrouping addr-port
{\t\t\tleaf address {\t\t\t\tdescription \"IP address or domain name\";\t\t\t\ttype union {\t\t\t\t\ttype
types:ip-address;\t\t\t\t\ttype types:domain-name;\t\t\t\t}\t\t\t}\t\t\tleaf port {\t\t\t\tdescription \"Port
number\";\t\t\t\ttype inet:port-number;\t\t\t}\t\t}\t\tgrouping time-stats {\t\t\tuses min-max-
time;\t\t\tleaf median {\t\t\t\tdescription \"Median time observed during the sample period\";\t\t\t\ttype
time-interval-ms;\t\t\t}\t\t\tleaf error {\t\t\t\tdescription \"Calculated error for timing
values\";\t\t\t\ttype time-interval-ms;\t\t\t}\t\t\tleaf pdv {\t\t\t\tdescription \"Packet Delay
Variation\";\t\t\t\ttype time-interval-ms;\t\t\t}\t\t}\t\tgrouping hops {\t\t\tleaf diff-num-ttl
{\t\t\t\tdescription \"A count of how many different hop count values were observed during the
test.\";\t\t\t\ttype uint32;\t\t\t}\t\t\tleaf min {\t\t\t\tdescription \"Minimum number of hops taken by a
test packet\";\t\t\t\ttype uint32;\t\t\t}\t\t\tleaf max {\t\t\t\tdescription \"Maximum number of hops taken
by a test packet\";\t\t\t\ttype uint32;\t\t\t}\t\t}\t\tinput {\t\t\tleaf host {\t\t\t\tdescription \"IP
address or domain name of the test reflector\";\t\t\t\ttype union {\t\t\t\t\ttype types:ip-
address;\t\t\t\t\ttype types:domain-name;\t\t\t\t}\t\t\t\tmandatory true;\t\t\t}\t\t\tleaf count
{\t\t\t\tdescription \"Number of test packets to send\";\t\t\t\ttype uint32 {\t\t\t\t\trange
1..1000;\t\t\t\t}\t\t\t\tdefault 100;\t\t\t}\t\t\tleaf padding {\t\t\t\tdescription \"Size of the padding to
add to each test packet\";\t\t\t\ttype uint32 {\t\t\t\t\trange 0..65000;\t\t\t\t}\t\t\t\tunits
\"bytes\";\t\t\t}\t\t\tleaf session-count {\t\t\t\tdescription \"Number of test sessions to create and
use\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tdefault 1;\t\t\t}\t\t\tleaf test-dscp-
value {\t\t\t\tdescription \"RFC 2474 style DSCP value for TOS byte in test packets\";\t\t\t\ttype uint32
{\t\t\t\t\trange 0..63;\t\t\t\t}\t\t\t\tdefault 0;\t\t\t}\t\t\tleaf control-port {\t\t\t\tdescription \"Port
to be used for the server control connection\";\t\t\t\ttype inet:port-number {\t\t\t\t\trange
1..65535;\t\t\t\t}\t\t\t\tdefault 862;\t\t\t}\t\t\tleaf interval {\t\t\t\tdescription \"Mean average time
between\t\t\t\t   each test packet sent\";\t\t\t\ttype decimal64 {\t\t\t\tfraction-digits
12;\t\t\t\trange 0.0..max;\t\t\t\t}\t\t\t\tunits \"seconds\";\t\t\t}\t\t\tcontainer port-range
{\t\t\t\tmust \"start <= end\" {\t\t\t\terror-message\t\t\t\t   \"port-range start must be lower than or
equal to port-range end\";\t\t\t\t}\t\t\t\tmust \"(end - start + 1) >= ../session-count\"
{\t\t\t\t\tdescription\t\t\t\t   \"Each session uses a different port\t\t\t\t   number, therefore,
there must be\t\t\t\t   at least as many available ports\t\t\t\t   in the port-range as sessions
that\t\t\t\t   are going to be opened\";\t\t\t\terror-message \"Size of the port-range must be at least
as large as session-count\";\t\t\t\t}\t\t\t\tleaf start {\t\t\t\tdescription \"The lowest port number that
can be used during the test\";\t\t\t\t\ttype inet:port-number {\t\t\t\t\trange
1..65535;\t\t\t\t\t}\t\t\t\t\tdefault 8760;\t\t\t\t}\t\t\t\tleaf end {\t\t\t\tdescription \"The highest
port number that can be used during the test\";\t\t\t\t\ttype inet:port-number {\t\t\t\t\trange
1..65535;\t\t\t\t\t}\t\t\t\t\tdefault 8960;\t\t\t\t}\t\t\t}\t\t\tcontainer authentication {\t\t\tpresence
\"Enables authentication\";\t\t\t\tleaf mode {\t\t\t\tdescription \"Authentication mode\";\t\t\t\ttype
enumeration {\t\t\t\t\tenum \"authenticate\";\t\t\t\t\tenum \"encrypt\";\t\t\t\t\tenum
\"mixed\";\t\t\t\t}\t\t\t\tdefault \"authenticate\";\t\t\t}\t\t\tleaf user {\t\t\t\tdescription
\"User name\";\t\t\t\ttype string {\t\t\t\t\tlength 1..16;\t\t\t\t}\t\t\t\tmandatory
true;\t\t\t}\t\t\tleaf passphrase {\t\t\t\tdescription \"Passphrase for user\";\t\t\t\ttype string
{\t\t\t\t\tlength 1..1024;\t\t\t\t}\t\t\t\tmandatory true;\t\t\t}\t\t}\t}\toutput {\t\tlist
results {\t\t\tkey sid;\t\t\tleaf sid {\t\t\t\tdescription \"Session Identifier\";\t\t\t\ttype
string;\t\t\t}\t\t\tcontainer source {\t\t\t\tdescription \"Source address that test packets originated
from\";\t\t\t\tuses addr-port;\t\t\t}\t\t\tcontainer destination {\t\t\t\tdescription \"Destination
address of the test reflector\";\t\t\t\tuses addr-port;\t\t\t}\t\t\tcontainer packets {\t\t\t\tleaf
time-of-first {\t\t\t\t\tdescription \"Time that the first test packet was sent\";\t\t\t\t\ttype
ietf:date-and-time;\t\t\t\t}\t\t\t\tleaf time-of-last {\t\t\t\t\tdescription \"Time that the last test
packet was sent\";\t\t\t\t\ttype ietf:date-and-time;\t\t\t\t}\t\t\t\tleaf num-pkts-sent
{\t\t\t\t\tdescription \"Number of test packets that were sent\";\t\t\t\t\ttype
uint32;\t\t\t\t}\t\t\t\tleaf num-pkts-lost {\t\t\t\t\tdescription \"Number of test packets that were
lost\";\t\t\t\t\ttype uint32;\t\t\t\t}\t\t\t\tleaf send-duplicates {\t\t\t\t\tdescription \"Number of
duplicate test packets received by the reflector\";\t\t\t\t\ttype uint32;\t\t\t\t}\t\t\t\tleaf reflect-
duplicates {\t\t\t\t\tdescription \"Number of duplicate test packets received by the
sender\";\t\t\t\t\ttype uint32;\t\t\t\t}\t\t\t}\t\t\tcontainer round-trip-time {\t\t\t\tdescription
\"Total round trip time, from when the test packet is sent \" +\t\t\t\t\"from the test client, until it
is received back from the reflector\";\t\t\t\tuses time-stats;\t\t\t}\t\t\tcontainer send-time
{\t\t\t\tdescription \"Wire time for test packets to go from sender to reflector\";\t\t\t\tuses time-
stats;\t\t\t}\t\t\tcontainer reflect-time {\t\t\t\tdescription \"Wire time for test packets to go from
the reflector, back to the sender\";\t\t\t\tuses time-stats;\t\t\t}\t\t\tcontainer reflector-
processing-time {\t\t\t\tdescription \"Time taken to process test packets within the
reflector\";\t\t\t\tuses min-max-time;\t\t\t}\t\t\tcontainer send-hops {\t\t\t\tdescription \"Number
of hops taken by the test packets going from the sender to the reflector.\";\t\t\t\tuses
hops;\t\t\t}\t\t\tcontainer reflect-hops {\t\t\t\tdescription \"Number of hops taken by the test
packets going from the reflector back to the sender\";\t\t\t\tuses

hops;\t\t\t\t}\t\t\t}\t\t\t}\t\tconfigd:call-rpc \"twamp-ping-rpc\";\t}\tgrouping twamp-parameters {\t\tcontainer twamp {\t\t\tconfigd:help \"Two-Way Active Measurement Protocol\";\t\t\t\t\tcontainer server {\t\t\tpresence \"Signifies the TWAMP server is enabled\";\t\t\t\tconfigd:help \"Server configuration\";\t\t\t\t\t\t\tleaf-list client-list {\t\t\t\t\ttype ip-prefix;\t\t\t\tconfigd:help \"List of clients that can connect to the server, by default any clients\";\t\t\t}\t\t\t\t\t\tleaf-list mode {\t\t\t\ttype enumeration {\t\t\t\t\tenum \"no-unauthenticated\" {\t\t\t\t\tconfigd:help \"Disable support for unauthenticated sessions\";\t\t\t\t\t}\t\t\t\t\tenum \"no-mixed\" {\t\t\t\t\tconfigd:help \"Disable support for mixed mode sessions\";\t\t\t\t\t}\t\t\t\t\tenum \"no-authenticated\" {\t\t\t\t\tconfigd:help \"Disable support for authenticated sessions\";\t\t\t\t\t}\t\t\t\t\tenum \"no-encrypted\" {\t\t\t\t\tconfigd:help \"Disable support for encrypted sessions\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"TWAMP authentication mode, by default all modes available\";\t\t\t}\t\t\t\tlist user {\t\t\tkey \"name\";\t\t\tleaf name {\t\t\t\ttype string {\t\t\t\t\tlength 1..16;\t\t\t\t}\t\t\t\tconfigd:help \"User identity\";\t\t\t}\t\t\t\tleaf password {\t\t\t\ttype string {\t\t\t\t\tlength 1..1024;\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tconfigd:help \"Password used to derive AES key\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/twamp/server/user/password/password_validate.cli\";\t\t\t\tconfigd:secret \"true\";\t\t\t}\t\t\tconfigd:help \"Configure user for mixed, authenticated and encrypted modes\";\t\t\t}\t\t\t\t\tleaf maximum-connections {\t\t\t\ttype session-num {}\t\t\t\tdefault \"16\";\t\t\t\tconfigd:help \"Maximum number of control sessions supported per Twamp server <1-64>, by default 16\";\t\t\t}\t\t\t\tleaf maximum-sessions-per-connection {\t\t\t\ttype session-num {}\t\t\t\tdefault \"8\";\t\t\t\tconfigd:help \"Maximum number of test sessions per control session <1-64>, by default 8\";\t\t\t}\t\t\t\tleaf server-inactivity-timeout {\t\t\t\ttype timeout {}\t\t\t\tdefault \"900\";\t\t\t\tconfigd:help \"Control session inactivity timeout in seconds <1-3600>, by default 900\";\t\t\t}\t\t\t\tleaf test-inactivity-timeout {\t\t\t\ttype timeout {}\t\t\t\tdefault \"900\";\t\t\t\tconfigd:help \"Test session inactivity timeout in seconds <1-3600>, by default 900\";\t\t\t}\t\t\t\tleaf port {\t\t\t\ttype inet:port-number {\t\t\t\t\trange 1..65535 {}\t\t\t\t}\t\t\t\tdefault \"862\";\t\t\t\tconfigd:help \"Server TCP port for control session <1-65535>, by default 862\";\t\t\t}\t\t\t\tleaf dscp-value {\t\t\t\ttype uint8 {\t\t\t\t\trange 0..63 {}\t\t\t\t}\t\t\t\tdefault \"0\";\t\t\t\tconfigd:help \"Base 10 value of dscp byte in ip header in control packets sent from server <0-63>, by default 0\";\t\t\t}\t\t}\t\t}\t}\taugment /service:service {\t\tuses twamp-parameters {\t\t\trefine twamp/server {\t\t\tconfigd:end \"twampd-config.pl\";\t\t}\t}\t}\t}}</module<module name=\"vyatta-protocols-rip-routing-instance-v1\"\uri=\"urn:vyatta.com:mgmt:vyatta-protocols-rip-routing-instance:1\" revision=\"2016-05-12\" format=\"yang\" length=\"1031\">module vyatta-protocols-rip-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-rip-routing-instance:1\";\tprefix vyatta-protocols-rip-routing-instance-v1;\timport vyatta-routing-v1 {\t\tprefix routing-instance;\t}\timport vyatta-protocols-rip-v1 {\t\tprefix rip;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module package for vyatta-protocols-rip-routing-instance-v1\";\trevision 2016-05-12 {\t description \"Initial revision of Routing-instance support\";\t}\taugment /routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols {\t\tuses rip:rip-protocol;\t}\taugment /routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols/rip/log {\t\tuses rip:rip-log-packet;\t}}</module<module name=\"vyatta-protocols-ospf-routing-instance-v1\"\uri=\"urn:vyatta.com:mgmt:vyatta-protocols-ospf-routing-instance:1\" revision=\"2016-07-21\" format=\"yang\" length=\"3659\">module vyatta-protocols-ospf-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-ospf-routing-instance:1\";\tprefix vyatta-protocols-ospf-routing-instance-v1;\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix routing-instance;\t}\timport vyatta-protocols-interface-validation-routing-instance-v1 {\t\tprefix if-validation-routing-inst;\t}\timport vyatta-protocols-ospf-v1 {\t\tprefix ospf;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module package for vyatta-protocols-ospf-routing-instance-v1\";\trevision 2016-07-21 {\t\tdescription \"Add Routing Instance support for OSPF\";\t}\taugment /routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols {\t\tcontainer ospf {\t\tdescription \"OSPFv2 support for VRF\";\t\t\tconfigd:help \"OSPFv2 support for VRF\";\t\t\tlist process {\t\t\tmax-elements \"1\";\t\t\tconfigd:help \"OSPF Process ID\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/configd_create.cli\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/configd_delete.cli\";\t\t\tdescription \"OSPF Process ID\";\t\t\tkey instance;\t\t\tleaf instance {\t\t\t\ttype uint16 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tmust \"count(/routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols/ospf/process[instance = current()]) = 1\" {\t\t\t\t\terror-message \"Instance already bound to another VRF\";\t\t\t\t}\t\t\t}\t\t\tuses ospf:ospf-parameters {\t\t\t\trefine parameters/router-id {\t\t\t\t\tmust \"count(/protocols:protocols/ospf:ospf/ospf:parameters[ospf:router-id = current()] | /routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols/ospf/process/parameters[router-id = current()]) <= 1\" {\t\t\t\t\t\terror-message \"Router-id is used by another process in router\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tuses ospf:ospf-parameters-all;\t\t\tuses ospf:ospf-debug-parameters;\t\t\tuses if-validation-routing-inst:ospf-passive-intf-routing-inst {\t\t\t\trefine passive-interface {\t\t\t\t\tconfigd:priority \"621\";\t\t\t\t\tmust 'not(starts-with(current(), \"ers\"))' {\t\t\t\t\t\terror-message \"Can't configure passive-interface on erspan interfaces\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Suppress routing updates on an interface\";\t\t\t\t\tdescription \"Suppress routing updates on an interface\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all --filter-out ^ers && echo default\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/passive-interface/configd_create.cli\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/passive-interface/configd_delete.cli\";\t\t\t\t}\t\t\t}\t\t\tuses if-validation-routing-inst:ospf-passive-intf-exclude-routing-inst {\t\t\t\trefine passive-interface-exclude {\t\t\t\t\tconfigd:priority \"622\";\t\t\t\t\tmust 'not(starts-with(current(), \"ers\"))' {\t\t\t\t\t\terror-message \"Can't configure passive-interface-exclude on erspan interfaces\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Excludes

OSPF routing update suppression on an interface\";\t\t\t\t\t\tdescription \"Excludes OSPF routing update suppression on an interface\";\t\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/passive-interface/exclude/configd create.cli\";\t\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/passive-interface/exclude/configd_delete.cli\";\t\t\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-service-flow-monitoring-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-flow-monitoring:1\" revision=\"2015-08-06\" format=\"yang\" length=\"19060\"module vyatta-service-flow-monitoring-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-flow-monitoring:1\";\tprefix vyatta-service-flow-monitoring-v1;\timport ietf-inet-types {\t   prefix inet;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The Vyatta configuration/operational YANG, templates and scripts\t\t for vermont.\";\trevision 2015-08-06 {\t\tdescription \"Vermont revision of version 1.\";\t}\tconfigd:migration 1;\t}\ttypedef module-name {\t\ttype string{\t\t\tconfigd:pattern-help \"<name>\";\t\t\tpattern \"[a-zA-Z0-9][a-zA-Z0-9_-]*\" {\t\t\t\terror-message \"Name should only contain letters, digits, underscores or dashes\";\t\t\t}\t\t}\t}\tfeature ipfix-collector {\t\tdescription \"Enable the collection of externally generated flows\";\t}\tgrouping next-exp {\t\tleaf-list exporter {\t\t\tconfigd:help \"Next Flow monitoring exporter\";\t\t\ttype module-name;\t\t\tconfigd:allowed \"exportd-config.pl --action=list_exporters\";\t\t\tconfigd:validate \"exportd-config.pl --action=validate_next_exporter --exporter=$VAR(@)\";\t\t}\t}\tgrouping next-agg {\t\tleaf-list aggregator {\t\t\tconfigd:help \"Next Flow monitoring aggregator\";\t\t\ttype module-name;\t\t\tconfigd:allowed \"exportd-config.pl --action=list aggregators\";\t\t\tconfigd:validate \"exportd-config.pl --action=validate next aggregator --aggregator=$VAR(@)\";\t\t}\t}\tgrouping next {\t\tcontainer next {\t\t\tconfigd:help \"Next Flow monitoring module\";\t\t\tuses next-exp;\t\t\tuses next-agg;\t\t}\t}\ttypedef fields {\t\ttype enumeration {\t\t\tenum \"octetDeltaCount\";\t\t\tenum \"packetDeltaCount\";\t\t\tenum \"deltaFlowCount\";\t\t\tenum \"protocolIdentifier\";\t\t\tenum \"ipClassOfService\";\t\t\tenum \"tcpControlBits\";\t\t\tenum \"sourceTransportPort\";\t\t\tenum \"sourceIPv4Address\";\t\t\tenum \"sourceIPv4PrefixLength\";\t\t\tenum \"ingressInterface\";\t\t\tenum \"destinationTransportPort\";\t\t\tenum \"destinationIPv4Address\";\t\t\tenum \"destinationIPv4PrefixLength\";\t\t\tenum \"egressInterface\";\t\t\tenum \"ipNextHopIPv4Address\";\t\t\tenum \"bgpSourceAsNumber\";\t\t\tenum \"bgpDestinationAsNumber\";\t\t\tenum \"bgpNextHopIPv4Address\";\t\t\tenum \"postMCastPacketDeltaCount\";\t\t\tenum \"postMCastOctetDeltaCount\";\t\t\tenum \"flowEndSysUpTime\";\t\t\tenum \"flowStartSysUpTime\";\t\t\tenum \"postOctetDeltaCount\";\t\t\tenum \"postPacketDeltaCount\";\t\t\tenum \"minimumIpTotalLength\";\t\t\tenum \"maximumIpTotalLength\";\t\t\tenum \"sourceIPv6Address\";\t\t\tenum \"destinationIPv6Address\";\t\t\tenum \"sourceIPv6PrefixLength\";\t\t\tenum \"destinationIPv6PrefixLength\";\t\t\tenum \"flowLabelIPv6\";\t\t\tenum \"icmpTypeCodeIPv4\";\t\t\tenum \"igmpType\";\t\t\tenum \"samplingInterval\";\t\t\tenum \"samplingAlgorithm\";\t\t\tenum \"flowActiveTimeout\";\t\t\tenum \"flowIdleTimeout\";\t\t\tenum \"engineType\";\t\t\tenum \"engineId\";\t\t\tenum \"exportedOctetTotalCount\";\t\t\tenum \"exportedMessageTotalCount\";\t\t\tenum \"exportedFlowRecordTotalCount\";\t\t\tenum \"ipv4RouterSc\";\t\t\tenum \"sourceIPv4Prefix\";\t\t\tenum \"destinationIPv4Prefix\";\t\t\tenum \"mplsTopLabelType\";\t\t\tenum \"mplsTopLabelIPv4Address\";\t\t\tenum \"samplerId\";\t\t\tenum \"samplerMode\";\t\t\tenum \"samplerRandomInterval\";\t\t\tenum \"classId\";\t\t\tenum \"minimumTTL\";\t\t\tenum \"maximumTTL\";\t\t\tenum \"fragmentIdentification\";\t\t\tenum \"postIpClassOfService\";\t\t\tenum \"sourceMacAddress\";\t\t\tenum \"postDestinationMacAddress\";\t\t\tenum \"vlanId\";\t\t\tenum \"postVlanId\";\t\t\tenum \"ipVersion\";\t\t\tenum \"flowDirection\";\t\t\tenum \"ipNextHopIPv6Address\";\t\t\tenum \"bgpNextHopIPv6Address\";\t\t\tenum \"ipv6ExtensionHeaders\";\t\t\tenum \"mplsTopLabelStackSection\";\t\t\tenum \"mplsLabelStackSection2\";\t\t\tenum \"mplsLabelStackSection3\";\t\t\tenum \"mplsLabelStackSection4\";\t\t\tenum \"mplsLabelStackSection5\";\t\t\tenum \"mplsLabelStackSection6\";\t\t\tenum \"mplsLabelStackSection7\";\t\t\tenum \"mplsLabelStackSection8\";\t\t\tenum \"mplsLabelStackSection9\";\t\t\tenum \"mplsLabelStackSection10\";\t\t\tenum \"destinationMacAddress\";\t\t\tenum \"postSourceMacAddress\";\t\t\tenum \"interfaceName\";\t\t\tenum \"interfaceDescription\";\t\t\tenum \"samplerName\";\t\t\tenum \"octetTotalCount\";\t\t\tenum \"packetTotalCount\";\t\t\tenum \"flagsAndSamplerId\";\t\t\tenum \"fragmentOffset\";\t\t\tenum \"forwardingStatus\";\t\t\tenum \"mplsVpnRouteDistinguisher\";\t\t\tenum \"mplsTopLabelPrefixLength\";\t\t\tenum \"srcTrafficIndex\";\t\t\tenum \"dstTrafficIndex\";\t\t\tenum \"applicationDescription\";\t\t\tenum \"applicationId\";\t\t\tenum \"applicationName\";\t\t\tenum \"postIpDiffServCodePoint\";\t\t\tenum \"multicastReplicationFactor\";\t\t\tenum \"className\";\t\t\tenum \"classificationEngineId\";\t\t\tenum \"layer2packetSectionOffset\";\t\t\tenum \"layer2packetSectionSize\";\t\t\tenum \"layer2packetSectionData\";\t\t\tenum \"bgpNextAdjacentAsNumber\";\t\t\tenum \"bgpPrevAdjacentAsNumber\";\t\t\tenum \"exporterIPv4Address\";\t\t\tenum \"exporterIPv6Address\";\t\t\tenum \"droppedOctetDeltaCount\";\t\t\tenum \"droppedPacketDeltaCount\";\t\t\tenum \"droppedOctetTotalCount\";\t\t\tenum \"droppedPacketTotalCount\";\t\t\tenum \"flowEndReason\";\t\t\tenum \"commonPropertiesId\";\t\t\tenum \"observationPointId\";\t\t\tenum \"icmpTypeCodeIPv6\";\t\t\tenum \"mplsTopLabelIPv6Address\";\t\t\tenum \"lineCardId\";\t\t\tenum \"portId\";\t\t\tenum \"meteringProcessId\";\t\t\tenum \"exportingProcessId\";\t\t\tenum \"templateId\";\t\t\tenum \"wlanChannelId\";\t\t\tenum \"wlanSSID\";\t\t\tenum \"flowId\";\t\t\tenum \"observationDomainId\";\t\t\tenum \"flowStartSeconds\";\t\t\tenum \"flowEndSeconds\";\t\t\tenum \"flowStartMilliseconds\";\t\t\tenum \"flowEndMilliseconds\";\t\t\tenum \"flowStartMicroseconds\";\t\t\tenum \"flowEndMicroseconds\";\t\t\tenum \"flowStartNanoseconds\";\t\t\tenum \"flowEndNanoseconds\";\t\t\tenum \"flowStartDeltaMicroseconds\";\t\t\tenum \"flowEndDeltaMicroseconds\";\t\t\tenum \"systemInitTimeMilliseconds\";\t\t\tenum \"flowDurationMilliseconds\";\t\t\tenum \"flowDurationMicroseconds\";\t\t\tenum \"observedFlowTotalCount\";\t\t\tenum \"ignoredPacketTotalCount\";\t\t\tenum \"ignoredOctetTotalCount\";\t\t\tenum \"notSentFlowTotalCount\";\t\t\tenum \"notSentPacketTotalCount\";\t\t\tenum \"notSentOctetTotalCount\";\t\t\tenum \"destinationIPv6Prefix\";\t\t\tenum \"sourceIPv6Prefix\";\t\t\tenum \"postOctetTotalCount\";\t\t\tenum \"postPacketTotalCount\";\t\t\tenum \"flowKeyIndicator\";\t\t\tenum \"postMCastPacketTotalCount\";\t\t\tenum \"postMCastOctetTotalCount\";\t\t\tenum \"icmpTypeIPv4\";\t\t\tenum \"icmpCodeIPv4\";\t\t\tenum \"icmpTypeIPv6\";\t\t\tenum \"icmpCodeIPv6\";\t\t\tenum

\"udpSourcePort\";\t\t\tenum \"udpDestinationPort\";\t\t\tenum \"tcpSourcePort\";\t\t\tenum
\"tcpDestinationPort\";\t\t\tenum \"tcpSequenceNumber\";\t\t\tenum \"tcpAcknowledgementNumber\";\t\t\tenum
\"tcpWindowSize\";\t\t\tenum \"tcpUrgentPointer\";\t\t\tenum \"tcpHeaderLength\";\t\t\tenum
\"ipHeaderLength\";\t\t\tenum \"totalLengthIPv4\";\t\t\tenum \"payloadLengthIPv6\";\t\t\tenum
\"ipTTL\";\t\t\tenum \"nextHeaderIPv6\";\t\t\tenum \"mplsPayloadLength\";\t\t\tenum
\"ipDiffServCodePoint\";\t\t\tenum \"ipPrecedence\";\t\t\tenum \"fragmentFlags\";\t\t\tenum
\"octetDeltaSumOfSquares\";\t\t\tenum \"octetTotalSumOfSquares\";\t\t\tenum \"mplsTopLabelTTL\";\t\t\tenum
\"mplsLabelStackLength\";\t\t\tenum \"mplsLabelStackDepth\";\t\t\tenum \"mplsTopLabelExp\";\t\t\tenum
\"ipPayloadLength\";\t\t\tenum \"udpMessageLength\";\t\t\tenum \"isMulticast\";\t\t\tenum
\"ipv4IHL\";\t\t\tenum \"ipv4Options\";\t\t\tenum \"tcpOptions\";\t\t\tenum \"paddingOctets\";\t\t\tenum
\"collectorIPv4Address\";\t\t\tenum \"collectorIPv6Address\";\t\t\tenum \"exportInterface\";\t\t\tenum
\"exportProtocolVersion\";\t\t\tenum \"exportTransportProtocol\";\t\t\tenum
\"collectorTransportPort\";\t\t\tenum \"exporterTransportPort\";\t\t\tenum \"tcpSynTotalCount\";\t\t\tenum
\"tcpFinTotalCount\";\t\t\tenum \"tcpRstTotalCount\";\t\t\tenum \"tcpPshTotalCount\";\t\t\tenum
\"tcpAckTotalCount\";\t\t\tenum \"tcpUrgTotalCount\";\t\t\tenum \"ipTotalLength\";\t\t\tenum
\"postNATSourceIPv4Address\";\t\t\tenum \"postNATDestinationIPv4Address\";\t\t\tenum
\"postNAPTSourceTransportPort\";\t\t\tenum \"postNAPTDestinationTransportPort\";\t\t\tenum
\"natOriginatingAddressRealm\";\t\t\tenum \"natEvent\";\t\t\tenum \"initiatorOctets\";\t\t\tenum
\"responderOctets\";\t\t\tenum \"firewallEvent\";\t\t\tenum \"ingressVRFID\";\t\t\tenum
\"egressVRFID\";\t\t\tenum \"VRFname\";\t\t\tenum \"postMplsTopLabelExp\";\t\t\tenum
\"tcpWindowScale\";\t\t\tenum \"biflowDirection\";\t\t\tenum \"ethernetHeaderLength\";\t\t\tenum
\"ethernetPayloadLength\";\t\t\tenum \"ethernetTotalLength\";\t\t\tenum \"dot1qVlanId\";\t\t\tenum
\"dot1qPriority\";\t\t\tenum \"dot1qCustomerVlanId\";\t\t\tenum \"dot1qCustomerPriority\";\t\t\tenum
\"metroEvcId\";\t\t\tenum \"metroEvcType\";\t\t\tenum \"pseudoWireId\";\t\t\tenum
\"pseudoWireType\";\t\t\tenum \"pseudoWireControlWord\";\t\t\tenum \"ingressPhysicalInterface\";\t\t\tenum
\"egressPhysicalInterface\";\t\t\tenum \"postDot1qVlanId\";\t\t\tenum \"postDot1qCustomerVlanId\";\t\t\tenum
\"ethernetType\";\t\t\tenum \"postIpPrecedence\";\t\t\tenum \"collectionTimeMilliseconds\";\t\t\tenum
\"exportSctpStreamId\";\t\t\tenum \"maxExportSeconds\";\t\t\tenum \"maxFlowEndSeconds\";\t\t\tenum
\"messageMD5Checksum\";\t\t\tenum \"messageScope\";\t\t\tenum \"minExportSeconds\";\t\t\tenum
\"minFlowStartSeconds\";\t\t\tenum \"opaqueOctets\";\t\t\tenum \"sessionScope\";\t\t\tenum
\"maxFlowEndMicroseconds\";\t\t\tenum \"maxFlowEndMilliseconds\";\t\t\tenum
\"maxFlowEndNanoseconds\";\t\t\tenum \"minFlowStartMicroseconds\";\t\t\tenum
\"minFlowStartMilliseconds\";\t\t\tenum \"minFlowStartNanoseconds\";\t\t\tenum
\"collectorCertificate\";\t\t\tenum \"exporterCertificate\";\t\t\tenum \"dataRecordsReliability\";\t\t\tenum
\"observationPointType\";\t\t\tenum \"newConnectionDeltaCount\";\t\t\tenum
\"connectionSumDurationSeconds\";\t\t\tenum \"connectionTransactionId\";\t\t\tenum
\"postNATSourceIPv6Address\";\t\t\tenum \"postNATDestinationIPv6Address\";\t\t\tenum \"natPoolId\";\t\t\tenum
\"natPoolName\";\t\t\tenum \"anonymizationFlags\";\t\t\tenum \"anonymizationTechnique\";\t\t\tenum
\"informationElementIndex\";\t\t\tenum \"p2pTechnology\";\t\t\tenum \"tunnelTechnology\";\t\t\tenum
\"encryptedTechnology\";\t\t\tenum \"basicList\";\t\t\tenum \"subTemplateList\";\t\t\tenum
\"subTemplateMultiList\";\t\t\tenum \"bgpValidityState\";\t\t\tenum \"IPSecSPI\";\t\t\tenum
\"greKey\";\t\t\tenum \"natType\";\t\t\tenum \"initiatorPackets\";\t\t\tenum \"responderPackets\";\t\t\tenum
\"observationDomainName\";\t\t\tenum \"selectionSequenceId\";\t\t\tenum \"selectorId\";\t\t\tenum
\"informationElementId\";\t\t\tenum \"selectorAlgorithm\";\t\t\tenum \"samplingPacketInterval\";\t\t\tenum
\"samplingPacketSpace\";\t\t\tenum \"samplingTimeInterval\";\t\t\tenum \"samplingTimeSpace\";\t\t\tenum
\"samplingSize\";\t\t\tenum \"samplingPopulation\";\t\t\tenum \"samplingProbability\";\t\t\tenum
\"dataLinkFrameSize\";\t\t\tenum \"ipHeaderPacketSection\";\t\t\tenum \"ipPayloadPacketSection\";\t\t\tenum
\"dataLinkFrameSection\";\t\t\tenum \"mplsLabelStackSection\";\t\t\tenum
\"mplsPayloadPacketSection\";\t\t\tenum \"selectorIdTotalPktsObserved\";\t\t\tenum
\"selectorIdTotalPktsSelected\";\t\t\tenum \"absoluteError\";\t\t\tenum \"relativeError\";\t\t\tenum
\"observationTimeSeconds\";\t\t\tenum \"observationTimeMilliseconds\";\t\t\tenum
\"observationTimeMicroseconds\";\t\t\tenum \"observationTimeNanoseconds\";\t\t\tenum
\"digestHashValue\";\t\t\tenum \"hashIPPayloadOffset\";\t\t\tenum \"hashIPPayloadSize\";\t\t\tenum
\"hashOutputRangeMin\";\t\t\tenum \"hashOutputRangeMax\";\t\t\tenum \"hashSelectedRangeMin\";\t\t\tenum
\"hashSelectedRangeMax\";\t\t\tenum \"hashDigestOutput\";\t\t\tenum \"hashInitialiserValue\";\t\t\tenum
\"selectorName\";\t\t\tenum \"upperCILimit\";\t\t\tenum \"lowerCILimit\";\t\t\tenum
\"confidenceLevel\";\t\t\tenum \"informationElementDataType\";\t\t\tenum
\"informationElementDescription\";\t\t\tenum \"informationElementName\";\t\t\tenum
\"informationElementRangeBegin\";\t\t\tenum \"informationElementRangeEnd\";\t\t\tenum
\"informationElementSemantics\";\t\t\tenum \"informationElementUnits\";\t\t\tenum
\"privateEnterpriseNumber\";\t\t\tenum \"virtualStationInterfaceId\";\t\t\tenum
\"virtualStationInterfaceName\";\t\t\tenum \"virtualStationUUID\";\t\t\tenum
\"virtualStationName\";\t\t\tenum \"layer2SegmentId\";\t\t\tenum \"layer2OctetDeltaCount\";\t\t\tenum
\"layer2OctetTotalCount\";\t\t\tenum \"ingressUnicastPacketTotalCount\";\t\t\tenum
\"ingressMulticastPacketTotalCount\";\t\t\tenum \"ingressBroadcastPacketTotalCount\";\t\t\tenum
\"egressUnicastPacketTotalCount\";\t\t\tenum \"egressBroadcastPacketTotalCount\";\t\t\tenum
\"monitoringIntervalStartMilliSeconds\";\t\t\tenum \"monitoringIntervalEndMilliSeconds\";\t\t\tenum
\"portRangeStart\";\t\t\tenum \"portRangeEnd\";\t\t\tenum \"portRangeStepSize\";\t\t\tenum
\"portRangeNumPorts\";\t\t\tenum \"staMacAddress\";\t\t\tenum \"staIPv4Address\";\t\t\tenum
\"wtpMacAddress\";\t\t\tenum \"ingressInterfaceType\";\t\t\tenum \"egressInterfaceType\";\t\t\tenum
\"rtpSequenceNumber\";\t\t\tenum \"userName\";\t\t\tenum \"applicationCategoryName\";\t\t\tenum
\"applicationSubCategoryName\";\t\t\tenum \"applicationGroupName\";\t\t\tenum
\"originalFlowsPresent\";\t\t\tenum \"originalFlowsInitiated\";\t\t\tenum
\"originalFlowsCompleted\";\t\t\tenum \"distinctCountOfSourceIPAddress\";\t\t\tenum
\"distinctCountOfDestinationIPAddress\";\t\t\tenum \"distinctCountOfSourceIPv4Address\";\t\t\tenum
\"distinctCountOfDestinationIPv4Address\";\t\t\tenum \"distinctCountOfSourceIPv6Address\";\t\t\tenum
\"distinctCountOfDestinationIPv6Address\";\t\t\tenum \"valueDistributionMethod\";\t\t\tenum
\"rfc3550JitterMilliseconds\";\t\t\tenum \"rfc3550JitterMicroseconds\";\t\t\tenum
\"rfc3550JitterNanoseconds\";\t\t\tenum \"dot1qDEI\";\t\t\tenum \"dot1qCustomerDEI\";\t\t\tenum
\"flowSelectorAlgorithm\";\t\t\tenum \"flowSelectedOctetDeltaCount\";\t\t\tenum
\"flowSelectedPacketDeltaCount\";\t\t\tenum \"flowSelectedFlowDeltaCount\";\t\t\tenum
\"selectorIDTotalFlowsObserved\";\t\t\tenum \"selectorIDTotalFlowsSelected\";\t\t\tenum
\"samplingFlowInterval\";\t\t\tenum \"samplingFlowSpacing\";\t\t\tenum
\"flowSamplingTimeInterval\";\t\t\tenum \"flowSamplingTimeSpacing\";\t\t\tenum \"hashFlowDomain\";\t\t\tenum

\"transportOctetDeltaCount\";\t\t\tenum \"transportPacketDeltaCount\";\t\t\tenum
\"originalExporterIPv4Address\";\t\t\tenum \"originalExporterIPv6Address\";\t\t\tenum
\"originalObservationDomainId\";\t\t\tenum \"intermediateProcessId\";\t\t\tenum
\"ignoredDataRecordTotalCount\";\t\t\tenum \"dataLinkFrameType\";\t\t\tenum \"sectionOffset\";\t\t\tenum
\"sectionExportedOctets\";\t\t\tenum \"dot1qServiceInstanceTag\";\t\t\tenum
\"dot1qServiceInstanceId\";\t\t\tenum \"dot1qServiceInstancePriority\";\t\t\tenum
\"dot1qCustomerSourceMacAddress\";\t\t\tenum \"dot1qCustomerDestinationMacAddress\";\t\t\tenum
\"postLayer2OctetDeltaCount\";\t\t\tenum \"postMCastLayer2OctetDeltaCount\";\t\t\tenum
\"postLayer2OctetTotalCount\";\t\t\tenum \"postMCastLayer2OctetTotalCount\";\t\t\tenum
\"minimumLayer2TotalLength\";\t\t\tenum \"maximumLayer2TotalLength\";\t\t\tenum
\"droppedLayer2OctetDeltaCount\";\t\t\tenum \"droppedLayer2OctetTotalCount\";\t\t\tenum
\"ignoredLayer2OctetTotalCount\";\t\t\tenum \"notSentLayer2OctetTotalCount\";\t\t\tenum
\"layer2OctetDeltaSumOfSquares\";\t\t\tenum \"layer2OctetTotalSumOfSquares\";\t\t\tenum
\"layer2FrameDeltaCount\";\t\t\tenum \"layer2FrameTotalCount\";\t\t\tenum
\"pseudoWireDestinationIPv4Address\";\t\t\tenum \"ignoredLayer2FrameTotalCount\";\t\t}\t}\taugment
/service:service {\t\tcontainer flow-monitoring {\t\t\tconfigd:priority \"901\";\t\t\tconfigd:help \"Flow-
Monitoring traffic monitoring configuration\";\t\t\tconfigd:validate \"exportd-config.pl --
action=validate_all_interfaces\";\t\t\tconfigd:end \"exportd-config.pl --action=apply\";\t\t\tlist exporter
{\t\t\tconfigd:help \"Flow-Monitoring exporter configuration\";\t\t\t\tkey \"exporter-name\";\t\t\t\tleaf
exporter-name {\t\t\t\tconfigd:help \"Flow monitoring exporter configuration\";\t\t\t\t\ttype module-
name;\t\t\t\t}\t\t\t\tcontainer udp-collector {\t\t\t\tconfigd:help \"Flow-Monitoring export destination
configuration\";\t\t\t\tleaf address {\t\t\t\t\ttype union {\t\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t}\t\t\t\t\tmandatory
true;\t\t\t\t\tconfigd:help \"Collector address\";\t\t\t\t}\t\t\t\tleaf port {\t\t\t\t\ttype
inet:port-number;\t\t\t\t\tmandatory true;\t\t\t\t\tconfigd:help \"Collector UDP
port\";\t\t\t\t}\t\t\t\tleaf mtu {\t\t\t\t\ttype uint16 {\t\t\t\t\t\trange
92..65535;\t\t\t\t\t}\t\t\t\t\tdefault 1400;\t\t\t\t\tconfigd:help \"Collector UDP MTU
size\";\t\t\t\t}\t\t\t\tleaf protocol-version {\t\t\t\t\tconfigd:help \"Flow-Monitoring export
protocol\";\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"NFV9\";\t\t\t\t\t\tenum
\"IPFIX\";\t\t\t\t\t}\t\t\t\t\tdefault \"NFV9\";\t\t\t\t}\t\t\t\tleaf max-record-rate {\t\t\t\tconfigd:help
\"Maximum number of flow records per second sent to collector\";\t\t\t\t\ttype uint32;\t\t\t\t\tdefault
0;\t\t\t\t}\t\t\t\tleaf template-refresh-interval {\t\t\t\tconfigd:help \"Interval for periodic sending of
templates\";\t\t\t\ttype uint32 {\t\t\t\t\trange 1..3600;\t\t\t\t}\t\t\t\t\tdefault
20;\t\t\t\t}\t\t\t}\t\t\tlist aggregator {\t\t\tconfigd:help \"Flow-Monitoring aggregator
configuration\";\t\t\t\tkey \"aggregator-name\";\t\t\t\tleaf aggregator-name {\t\t\t\tconfigd:help \"Flow
monitoring aggregator configuration\";\t\t\t\t\ttype module-name;\t\t\t\t}\t\t\t\tcontainer rule
{\t\t\t\tconfigd:help \"Aggregator Rule configuration\";\t\t\t\tleaf-list key {\t\t\t\tconfigd:help
\"Key field to aggregate on\";\t\t\t\t\ttype fields;\t\t\t\t\tmin-elements 1;\t\t\t\t}\t\t\t\tleaf-
list non-key {\t\t\t\tconfigd:help \"Non key field to collect\";\t\t\t\t\ttype
fields;\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer expiration {\t\t\t\tconfigd:help \"Aggregator Expiration
configuration\";\t\t\t\tleaf inactive-timeout {\t\t\t\t\tconfigd:help \"Expiration timeout for
idle/inactive flows\";\t\t\t\t\ttype uint32;\t\t\t\t\tdefault 0;\t\t\t\t}\t\t\t\tleaf active-timeout
{\t\t\t\tconfigd:help \"Expiration timeout for long-lasting flows\";\t\t\t\t\ttype
uint32;\t\t\t\t\tdefault 0;\t\t\t\t}\t\t\t\tleaf hashtable-bits {\t\t\t\tconfigd:help \"Length
of hashtable used for aggregation in bits\";\t\t\t\t\ttype uint32 {\t\t\t\t\trange
1..32;\t\t\t\t}\t\t\t\t\tdefault 17;\t\t\t\t}\t\t\t\tuses next;\t\t\t}\t\t\tlist ipfix-udp-collector
{\t\t\t\tif-feature ipfix-collector;\t\t\t\tconfigd:help \"Flow monitoring collector
configuration\";\t\t\t\tkey \"collector-name\";\t\t\t\tleaf collector-name {\t\t\t\t\tconfigd:help \"Flow-
Monitoring collector configuration\";\t\t\t\t\ttype module-name;\t\t\t}\t\t\t\tleaf address {\t\t\t\t\ttype
types:ipv4-address;\t\t\t\t\tconfigd:help \"IP address at which collector receives IPFIX
Messages\";\t\t\t\t}\t\t\t\tleaf port {\t\t\t\t\ttype inet:port-number;\t\t\t\t\tconfigd:help \"UDP port at
which collector receives IPFIX Messages\";\t\t\t\t}\t\t\t\tuses next;\t\t\t}\t\t\tlist selector
{\t\t\t\tconfigd:help \"Flow-Monitoring selector configuration\";\t\t\t\tconfigd:end \"vplane-netflow.pl --
cmd=configure all\";\t\t\t\tkey \"selector-name\";\t\t\t\tleaf selector-name {\t\t\t\tconfigd:help \"Flow-
Monitoring selector configuration\";\t\t\t\t\ttype module-name;\t\t\t}\t\t\t\tcontainer randomly
{\t\t\t\ttpresence \"true\";\t\t\t\tconfigd:help \"Random sampling\";\t\t\t\tleaf out-of
{\t\t\t\t\tconfigd:help \"The rate to sample at\";\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
10..10000;\t\t\t\t\t}\t\t\t\t\tdefault 1000;\t\t\t\t}\t\t\t}\t\t\t}\t\t}\tgrouping interface-
parameters {\t\tcontainer flow-monitoring {\t\t\ttpresence \"Enable monitoring of flows on this
interface\";\t\t\tconfigd:priority \"911\";\t\t\tconfigd:help \"Flow-Monitoring configuration for
interface\";\t\t\tconfigd:end \"exportd-config.pl --action=apply\";\t\t\tleaf selector {\t\t\ttype module-
name;\t\t\t\tmandatory true;\t\t\t\tconfigd:help \"Flow-Monitoring selector name\";\t\t\t\tconfigd:allowed
\"exportd-config.pl --action=list_selectors\";\t\t\t\tconfigd:validate \"exportd-config.pl --
action=validate interface selector --selector=$VAR(@)\";\t\t\t\tconfigd:end \"vplane-netflow.pl --
intf=$VAR(../../@) --type=$VAR(../../)\";\t\t\t}\t\t\tuses next-exp;\t\t\tuses next-agg;\t\t}\t}\taugment
/if:interfaces/interfaces-dataplane:dataplane {\t\tuses interface-parameters;\t}}</module<module
name=\"vyatta-system-network-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-network-routing-
instance:1\" revision=\"2016-05-31\" format=\"yang\" length=\"2182\"module vyatta-system-network-routing-
instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-network-routing-instance:1\";\tprefix vyatta-
system-network-routing-instance-v1;\timport configd-v1 {\tprefix configd;\t}\timport vyatta-routing-v1
{\t\tprefix rt-instance;\t}\timport vyatta-system-network-v1 {\t\tprefix sys-network;\t}\torganization
\"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\tPostal: 130
Holger Way\t\tSan Jose, CA 95134\t\tE-mail: support@Brocade.com\t\tWeb:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module for vyatta-system-network-routing-instance-v1\";\trevision 2016-05-31
{\t\tdescription \"Support DNS subset of system-network.\";\t}\trevision 2016-04-18 {\t\tdescription \"VRF
support for DNS domain.\";\t}\taugment /rt-instance:routing/rt-instance:routing-instance/rt-instance:system
{\t\tuses sys-network:system-network-domain {\t\t\trefine domain-name {\t\t\t\tdescription \"Configure domain
name for dns resolver in routing instance\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/system/domain-name/configd_update.sh --
vrf=$VAR(../../@)\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/domain-
name/configd_delete.sh --vrf=$VAR(../../@)\";\t\t\t}\t\t\trefine domain-search {\t\t\t\tdescription \"Search
list for host-name lookup in routing instance\";\t\t}\t\t\trefine domain-search/domain {\t\t\t\tdescription
\"Domain name in search order for routing instance\";\t\t\t\tconfigd:create

\"/opt/vyatta/share/tmplscripts/system/domain-search/domain/configd_create2\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/system/domain-search/domain/configd_delete2\";\t\t\t}\t\t}\t\tuses sys-
network:system-network-name-server-static-hosts {\t\t\trefine name-server {\t\t\t\tdescription \"Name server
list for domain lookup in routing instance\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/system/name-server/configd_create2\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/system/name-server/configd_delete2\";\t\t\t}\t\t\trefine static-host-
mapping/host-name/inet {\t\t\t\tmandatory \"true\";\t\t\t}   \t\t}\t}
}</module<module name=\"vyatta-system-sync-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-sync:1\"
revision=\"2016-04-19\" format=\"yang\" length=\"3176\"module vyatta-system-sync-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-system-sync:1\";\tprefix vyatta-system-sync-v1;\timport vyatta-types-v1
{\t\tprefix types;\t}\timport vyatta-system-v1 {\t\tprefix system;\t}\timport configd-v1 {\t\tprefix
configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t This package provides the Vyatta configuration sync YANG data model\";\trevision
2016-04-19 {\t\tdescription \"Add timeout\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of
version 1.\";\t}\taugment /system:system {\t\tcontainer config-sync {\t\t\tpresence
\"true\";\t\t\tconfigd:priority \"900\";\t\t\tconfigd:help \"Configuration
synchronization\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/system/config-
sync/configd_end.sh\";\t\t\tlist remote-router {\t\t\t\tconfigd:help \"Remote router to which configuration
is to be synced\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/config-sync/remote-
router/configd_delete.sh\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/config-
sync/remote-router/configd_validate1.cli\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/config-sync/remote-router/configd_validate2.cli\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"Remote router to
which configuration is to be synced\";\t\t\t\t}\t\t\t\tleaf password {\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\tconfigd:help \"Plaintext password associated with remote
router\";\t\t\t\t}\t\t\t\tleaf username {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Username associated
with remote router\";\t\t\t\t}\t\t\t\tleaf sync-map {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help
\"Synchronization map associated with remote router\";\t\t\t\t}\t\t\t}\t\t\tlist sync-map
{\t\t\t\tconfigd:help \"Configuration synchronization map to use for a remote-router\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Configuration
synchronization map to use for a remote-router\";\t\t\t\t}\t\t\t\tlist rule {\t\t\t\t\tconfigd:help \"Rule
number to evaluate configuration matching\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/config-sync/sync-
map/rule/configd_validate1.cli\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/config-
sync/sync-map/rule/configd_validate2.cli\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype
uint32;\t\t\t\t\t\tconfigd:help \"Rule number to evaluate configuration matching\";\t\t\t\t\t}\t\t\t\t\tleaf
action {\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"include\";\t\t\t\t\t\t\tenum
\"exclude\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Rule behavior (\"include\" or
\"exclude\")\";\t\t\t\t\t}\t\t\t\t\tleaf location {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/config-sync/sync-
map/rule/location/configd_syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Configuration tree location
to match\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tleaf timeout {\t\t\t\ttype uint32;\t\t\t\tdefault
900;\t\t\t\tconfigd:help \"Timeout in seconds for REST calls to remote-
routers\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-services-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-
services:1\" revision=\"2015-08-05\" format=\"yang\" length=\"642\"module vyatta-services-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-services:1\";\tprefix vyatta-services-v1;\timport configd-v1 { prefix configd;
}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems,
Inc.\t Postal: 130 Holger Way\t\t \t San Jose, CA 95134\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t This module implements vyatta-services-v1.\";\trevision 2015-08-05 {\t\tdescription
\"Initial revision of version 1.\";\t}\tcontainer service {\t\tconfigd:help \"Services\";\t}}</module<module
name=\"vyatta-policy-pbr-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-policy-pbr-routing-
instance:1\" revision=\"2016-04-14\" format=\"yang\" length=\"1213\"module vyatta-policy-pbr-routing-
instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-policy-pbr-routing-instance:1\";\tprefix vyatta-policy-
pbr-routing-instance-v1;   import vyatta-policy-pbr-v1 {   prefix pbr;   }\timport
vyatta-policy-v1 {\tprefix policy;\t}\timport vyatta-policy-route-v1 {\tprefix policy-route;\t}\timport
vyatta-routing-v1 {\tprefix routing;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose,
CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by
Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t YANG module for PBR routing
instances.\";\trevision 2016-04-14 {\t\tdescription \"Initial revision.\";\t}\taugment /policy:policy/policy-
route:route/pbr:pbr/pbr:rule {\t\tuses routing:routing-instance-or-default-leaf {\t\t\trefine routing-
instance {\t\t\t\tmust \"(current() = 'default') or\t\t\t\t\t(/routing:routing/routing:routing-
instance[routing:instance-name = current()]/routing:instance-type = 'vrf')\" {\t\t\t\t\terror-message
\"Routing instance must be of type VRF, or be 'default'\";\t\t\t\t}\t\t\t}\t\t}\t}}</module<module
name=\"vyatta-system-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system:1\" revision=\"2016-01-28\" format=\"yang\"
length=\"1326\"module vyatta-system-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system:1\";\tprefix vyatta-
system-v1;\timport configd-v1 { prefix configd; }\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t \t San Jose, CA
95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016
by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-system-v1-
yang\";\trevision 2016-01-28 {\t\tdescription \"Add operational state data definitions to support\t\t\t
retrieval of software version\";\t}\trevision 2015-08-05 {\t\tdescription \"Initial revision of version
1.\";\t}\tcontainer system {\t\tconfigd:help \"System parameters\";\t\tcontainer state {\t\t\tconfig
false;\t\t\tdescription \"System operational state\";\t\t\tcontainer platform {\t\t\t\tconfigd:get-state
\"vyatta-system-state-platform\";\t\t\t\tdescription\t\t\t\t \"Contains information for identifying the\"
+\t\t\t\t   \"system platform.\";\t\t\t\tleaf os-name {\t\t\t\t\ttype string;\t\t\t\t\tdescription\t\t\t\t\t
\"The current platform name.\";\t\t\t\t}\t\t\t\tleaf os-release {\t\t\t\t\ttype
string;\t\t\t\t\tdescription\t\t\t\t\t \"The current release.\";\t\t\t\t}\t\t\t\tleaf os-version
{\t\t\t\t\ttype string;\t\t\t\t\tdescription\t\t\t\t\t \"The current version
level.\";\t\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-ipv6-rtradv-groups-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-ipv6-rtradv-groups:1\" revision=\"2016-09-01\" format=\"yang\"

length=\"8825\"module vyatta-ipv6-rtradv-groups-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-ipv6-rtradv-groups:1\";\tprefix vyatta-ipv6-rtradv-groups-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t\t Shared YANG groupings for vyatta-ipv6-rtradv-v1\";\trevision 2016-09-01 {\t\tdescription \"Initial revision of version 1.\";\t}\ttypedef prefix-lifetime {\t\ttype union {\t\t\ttype enumeration {\t\t\t\tenum \"infinity\";\t\t\t}\t\t\ttype uint32 {\t\t\t\trange 0..max;\t\t\t}\t\t}\t}\tgrouping address-opts {\t\tleaf-list eui64 {\t\t\ttype types:ipv6-prefix {\t\t\t\tpattern \"[0-9a-fA-F]{1,4}(:[0-9a-fA-F]{1,4}){0,3}(::|(:0){4})/64\" {\t\t\t\t\terror-message \"Must be a valid prefix of length 64\";\t\t\t\t}\t\t\t}\t\t\tordered-by \"user\";\t\t\tconfigd:help \"Assign IPv6 address using EUI-64 based on MAC address\";\t\t\tconfigd:create \"/opt/vyatta/sbin/vyatta-ipv6-eui64.pl --create $VAR(../../../@) $VAR(@)\";\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta-ipv6-eui64.pl --delete $VAR(../../../@) $VAR(@)\";\t\t}\t\tleaf autoconf {\t\t\ttype empty;\t\t\tconfigd:help \"Enable acquisition of IPv6 address using stateless autoconfig\";\t\t\tconfigd:update \"/opt/vyatta/sbin/vyatta-ipv6-autoconf.sh update $VAR(../../../@)\";\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta-ipv6-autoconf.sh delete $VAR(../../../@)\";\t\t}\t\tleaf link-local {\t\t\ttype types:ipv6-address;\t\t\tconfigd:help \"Set IPv6 link-local address\";\t\t\tconfigd:update \"/opt/vyatta/sbin/vyatta-ipv6-link-local.pl --update $VAR(../../../@) $VAR(@) --verbose\";\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta-ipv6-link-local.pl --delete $VAR(../../../@) $VAR(@) --verbose\";\t\t}\t}\tgrouping ra-parameters {\t\tleaf retrans-timer {\t\t\ttype uint32;\t\t\tconfigd:help \"Value to place in \"Retrans Timer\" field in RAs.\";\t\t\tdefault \"0\";\t\t}\t\tleaf link-mtu {\t\t\ttype uint32 {\t\t\t\trange \"0|1280..9000\";\t\t\t}\t\t\tconfigd:help \"Value of link MTU to place in RAs\";\t\t\tdefault \"0\";\t\t}\t\tleaf min-interval {\t\t\ttype uint32 {\t\t\t\trange 3..1350;\t\t\t}\t\t\tconfigd:help \"Minimum interval between unsolicited multicast RAs\";\t\t}\t\tleaf default-preference {\t\t\ttype enumeration {\t\t\t\tenum \"low\" {\t\t\t\t\tconfigd:help \"Default router is low preference\";\t\t\t\t}\t\t\t\tenum \"medium\" {\t\t\t\t\tconfigd:help \"Default router is medium preference (Default)\";\t\t\t\t}\t\t\t\tenum \"high\" {\t\t\t\t\tconfigd:help \"Default router is high preference\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"Default router preference\";\t\t}\t\tlist prefix {\t\t\tconfigd:help \"IPv6 prefix to be advertised in Router Advertisements (RAs)\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype types:ipv6-prefix;\t\t\t\tconfigd:help \"IPv6 prefix to be advertised in Router Advertisements (RAs)\";\t\t\t}\t\t\tleaf on-link-flag {\t\t\t\ttype boolean;\t\t\t\tconfigd:help \"Flag that prefix can be used for on-link determination\";\t\t\t\tdefault \"true\";\t\t\t}\t\t\tleaf preferred-lifetime {\t\t\t\ttype prefix-lifetime;\t\t\t\tconfigd:help \"Time in seconds or infinity that the prefix will remain preferred\";\t\t\t}\t\t\tleaf autonomous-flag {\t\t\t\ttype boolean;\t\t\t\tconfigd:help \"Whether prefix can be used for address auto-configuration\";\t\t\t\tdefault \"true\";\t\t\t}\t\t\tleaf valid-lifetime {\t\t\t\ttype prefix-lifetime;\t\t\t\tconfigd:help \"Time in seconds or infinity that the prefix will remain valid\";\t\t\t\tdefault \"2592000\";\t\t\t}\t\t}\t\tleaf cur-hop-limit {\t\t\ttype uint32 {\t\t\t\trange 0..255;\t\t\t}\t\t\tconfigd:help \"Value to be placed in the \"Current Hop Limit\" field in RAs\";\t\t\tdefault \"64\";\t\t}\t\tleaf max-interval {\t\t\ttype uint32 {\t\t\t\trange 4..1800;\t\t\t}\t\t\tconfigd:help \"Maximum interval between unsolicited multicast RAs\";\t\t\tdefault \"600\";\t\t}\t\tleaf managed-flag {\t\t\ttype boolean;\t\t\tconfigd:help \"Value for \"managed address configuration\" flag in RAs\";\t\t\tdefault \"false\";\t\t}\t\tleaf send-advert {\t\t\ttype boolean;\t\t\tconfigd:help \"Enable/disable sending RAs\";\t\t\tdefault \"true\";\t\t}\t\tleaf default-lifetime {\t\t\ttype uint32 {\t\t\t\trange \"0|4..9000\";\t\t\t}\t\t\tconfigd:help \"Value to be placed in \"Router Lifetime\" field in RAs\";\t\t}\t\tleaf reachable-time {\t\t\ttype uint32 {\t\t\t\trange 0..3600000;\t\t\t}\t\t\tconfigd:help \"Value to be placed in \"Reachable Time\" field in RAs\";\t\t\tdefault \"0\";\t\t}\t\tleaf other-config-flag {\t\t\ttype boolean;\t\t\tconfigd:help \"Value to be placed in the \"other configuration\" flag in RAs\";\t\t\tdefault \"false\";\t\t}\t}\tgrouping if-disable-forwarding {\t\tleaf disable-forwarding {\t\t\tconfigd:priority \"501\";\t\t\ttype empty;\t\t\tconfigd:help \"Disable IPv6 forwarding on this interface\";\t\t\tconfigd:create \"/opt/vyatta/sbin/vyatta-ipv6-forwarding.sh create $VAR(../../@)\";\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta-ipv6-forwarding.sh delete $VAR(../../@)\";\t\t}\t}\tgrouping if-dup-addr-detect-transmits {\t\tleaf dup-addr-detect-transmits {\t\t\tconfigd:priority \"501\";\t\t\ttype uint32 {\t\t\t\trange 0..max;\t\t\t}\t\t\tconfigd:help \"Number of NS messages to send while performing DAD\";\t\t\tconfigd:update \"perl -e 'system \"sysctl -qw net/ipv6/conf/$VAR(../../@)/dad_transmits=$VAR(@)\" if -d \"/sys/class/net/$VAR(../../@)\"'\";\t\t\tdefault \"1\";\t\t}\t}\tgrouping if-router-advert {\t\tcontainer router-advert {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"501\";\t\t\tconfigd:help \"Configure parameters for sending Router Advertisements (RAs)\";\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta-ipv6-rtradv.sh $VAR(../../@)\";\t\t\tuses ra-parameters;\t\t}\t}\tgrouping if-address {\t\tcontainer address {\t\t\tpresence \"true\";\t\t\tconfigd:help \"IPv6 address auto-configuration modes\";\t\t\tuses address-opts;\t\t}\t}\tgrouping if-ipv6-parameters-host {\t\tdescription \"IPv6 attributes shared between host interfaces and forwarding interfaces\";\t\tuses if-dup-addr-detect-transmits;\t\tuses if-address;\t}\tgrouping if-ipv6-parameters {\t\tdescription \"IPv6 attributes for forwarding interfaces\";\t\tuses if-disable-forwarding;\t\tuses if-dup-addr-detect-transmits;\t\tuses if-router-advert;\t\tuses if-address;\t}\tgrouping vif-ipv6-disable-forwarding {\t\tleaf disable-forwarding {\t\t\tconfigd:priority \"501\";\t\t\ttype empty;\t\t\tdescription \"Disable IPv6 forwarding on this interface\";\t\t\tconfigd:help \"Disable IPv6 forwarding on this interface\";\t\t\tconfigd:create \"/opt/vyatta/sbin/vyatta-ipv6-forwarding.sh create $VAR(../../../@).$VAR(../../@)\";\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta-ipv6-forwarding.sh delete $VAR(../../../@).$VAR(../../@)\";\t\t}\t}\tgrouping vif-router-advert {\t\tcontainer router-advert {\t\t\tdescription \"Configuration parameters for sending Router Advertisements (RAs)\";\t\t\tpresence \"One or more RA parameters defined\";\t\t\tconfigd:priority \"501\";\t\t\tconfigd:help \"Configure parameters for sending Router Advertisements (RAs)\";\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta-ipv6-rtradv.sh $VAR(../../../@).$VAR(../../@)\";\t\t\tuses ra-parameters;\t\t}\t}\tgrouping vif-dup-addr-detect-transmits {\t\tleaf dup-addr-detect-transmits {\t\t\tconfigd:priority \"501\";\t\t\ttype uint32 {\t\t\t\trange 0..max;\t\t\t}\t\t\tdescription \"Number of NS messages to send while performing DAD\";\t\t\tconfigd:help \"Number of NS messages to send while performing DAD\";\t\t\tconfigd:update \"sysctl -qw net/ipv6/conf/$VAR(../../../@).$VAR(../../@)/dad_transmits=$VAR(@)\";\t\t\tdefault \"1\";\t\t}\t}\tgrouping vif-address {\t\tcontainer address {\t\t\tdescription \"IPv6 address auto-configuration modes\";\t\t\tpresence \"One or more addressing options selected\";\t\t\tconfigd:help \"IPv6 address auto-configuration modes\";\t\t\tuses address-opts {\t\t\t\trefine eui64 {\t\t\t\t\tconfigd:create \"/opt/vyatta/sbin/vyatta-ipv6-eui64.pl --create $VAR(../../../../@).$VAR(../../../@) $VAR(@)\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta-ipv6-eui64.pl --delete $VAR(../../../../@).$VAR(../../../@) $VAR(@)\";\t\t\t\t}\t\t\t\trefine autoconf {\t\t\t\t\tconfigd:update

```
\"/opt/vyatta/sbin/vyatta-ipv6-autoconf.sh update
$VAR(../../../../@).$VAR(../../../@)\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta-ipv6-autoconf.sh
delete  $VAR(../../../../@).$VAR(../../../@)\";\t\t\t\t}\t\t\t\trefine link-local {\t\t\t\t\tconfigd:update
\"/opt/vyatta/sbin/vyatta-ipv6-link-local.pl --update $VAR(../../../../@).$VAR(../../../@) $VAR(@) --
verbose\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/sbin/vyatta-ipv6-link-local.pl --delete
$VAR(../../../../@).$VAR(../../../@) $VAR(@) --verbose\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping vif-ipv6-
parameters-host {\t\tdescription \"IPv6 attributes for use on host sub-interfaces\";\t\tuses vif-dup-addr-
detect-transmits;\t\tuses vif-address;\t}\tgrouping vif-ipv6-parameters {\t\tdescription \"IPv6 attributes
for use on forwarding sub-interfaces\";\t\tuses vif-ipv6-disable-forwarding;\t\tuses vif-dup-addr-detect-
transmits;\t\tuses vif-router-advert;\t\tuses vif-address;\t}}</module><module name=\"vyatta-service-twamp-
routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-twamp-routing-instance:1\" revision=\"2016-04-
14\" format=\"yang\" length=\"1396\"module vyatta-service-twamp-routing-instance-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-service-twamp-routing-instance:1\";\tprefix vyatta-service-twamp-routing-
instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix
routing;\t}\timport vyatta-service-twamp-v1 {\t\tprefix twamp;\t}\torganization \"Brocade Communications
Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t
San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright
(c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Routing Instance support for
TWAMP server configuration and\t\t twping RPC.\";\trevision 2016-04-14 {\t\tdescription \"Initial revision,
with routing instance support for TWAMP\";\t}\taugment /twamp:twping/twamp:input {\t\tleaf routing-instance
{\t\t\tdescription \"The routing instance context for this session\";\t\t\ttype routing:routing-instance-
name;\t\t\tdefault \"default\";\t\t}\t}\taugment /routing:routing/routing:routing-instance/routing:service
{\t\tuses twamp:twamp-parameters {\t\t\trefine twamp/server {\t\t\t\tmust \"../../../routing:instance-type =
'vrf'\" {\t\t\t\t\terror-message \"TWAMP is only supported for routing instances \" +\t\t\t\t\t\t\"with an
instance-type of 'vrf'\";\t\t\t\t}\t\t\t\tconfigd:end \"twampd-config.pl --routing-instance
$VAR(../../../@)\";\t\t\t}\t\t}\t}}</module><module name=\"ietf-netconf-with-
defaults\"uri=\"urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults\" revision=\"2011-06-01\"
format=\"yang\" length=\"3926\"module ietf-netconf-with-defaults {   namespace
\"urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults\";   prefix ncwd;   import ietf-netconf { prefix nc;
}   organization   \"IETF NETCONF (Network Configuration Protocol) Working Group\";   contact   \"WG Web:
<http://tools.ietf.org/wg/netconf/>   WG List: <netconf@ietf.org>   WG Chair: Bert Wijnen
<bertietf@bwijnen.net>   WG Chair: Mehmet Ersue           <mehmet.ersue@nsn.com>   Editor: Andy
Bierman        <andy.bierman@brocade.com>   Editor: Balazs Lengyel
<balazs.lengyel@ericsson.com>\";   description   \"This module defines an extension to the NETCONF protocol
that allows the NETCONF client to control how default   values are handled by the server in particular
NETCONF   operations.   Copyright (c) 2011 IETF Trust and the persons identified as   the document
authors.  All rights reserved.   Redistribution and use in source and binary forms, with or   without
modification, is permitted pursuant to, and subject    to the license terms contained in, the Simplified BSD
License   set forth in Section 4.c of the IETF Trust's Legal Provisions   Relating to IETF Documents
(http://trustee.ietf.org/license-info).   This version of this YANG module is part of RFC 6243; see    the
RFC itself for full legal notices.\";   revision 2011-06-01 {   description       \"Initial version.\";
reference      \"RFC 6243: With-defaults Capability for NETCONF\";   }   typedef with-defaults-mode {
description   \"Possible modes to report default data.\";   reference           \"RFC 6243; Section
3.\";      type enumeration {      enum report-all {           description            \"All default
data is reported.\";           reference            \"RFC 6243; Section 3.1\";      }      enum
report-all-tagged {        description            \"All default data is reported.           Any
nodes considered to be default data            will contain a 'default' XML attribute,            set
to 'true' or '1'.\";           reference            \"RFC 6243; Section 3.4\";      }      enum
trim {         description           \"Values are not reported if they contain the default.\";
reference           \"RFC 6243; Section 3.2\";      }      enum explicit {         description
\"Report values that contain the definition of          explicitly set data.\";         reference
\"RFC 6243; Section 3.3\";         }      }   }   grouping with-defaults-parameters {     description
\"Contains the <with-defaults> parameter for control        of defaults in NETCONF retrieval operations.\";
leaf with-defaults {       description       \"The explicit defaults processing mode requested.\";
reference       \"RFC 6243; Section 4.5.1\";       type with-defaults-mode;   }   }   // extending the
get-config operation   augment /nc:get-config/nc:input {       description        \"Adds the <with-defaults>
parameter to the      input of the NETCONF <get-config> operation.\";      reference        \"RFC 6243;
Section 4.5.1\";      uses with-defaults-parameters;   }   // extending the get operation   augment
/nc:get/nc:input {      description       \"Adds the <with-defaults> parameter to       the input of
the NETCONF <get> operation.\";      reference        \"RFC 6243; Section 4.5.1\";      uses with-
defaults-parameters;   }   // extending the copy-config operation   augment /nc:copy-config/nc:input {
description       \"Adds the <with-defaults> parameter to       the input of the NETCONF <copy-config>
operation.\";      reference       \"RFC 6243; Section 4.5.1\";      uses with-defaults-parameters;
}}</module><module name=\"vyatta-policy-qos-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-policy-qos:1\"
revision=\"2016-05-16\" format=\"yang\" length=\"8019\"module vyatta-policy-qos-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-policy-qos:1\";\tprefix vyatta-policy-qos-v1;\timport vyatta-interfaces-v1
{\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport
vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-interfaces-policy-v1 {\t\tprefix interfaces-
policy;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-npf-v1 {\t\tprefix npf;\t}\torganization
\"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130
Holger Way\t\t       San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t This module implements vyatta-policy-qos-v1.\";\trevision 2016-05-16 {\t\t description
\"Modify queue-limit to only accept power-of-two values\";        }\trevision 2015-09-30 {\t\tdescription
\"Initial revision, forked from vyatta-config-qos module.\";\t\tconfigd:migration 2;\t}\ttypedef name
{\t\ttype string {\t\t\tpattern \"[0-9A-Za-z][- 0-9A-Za-z]*\" {\t\t\t\terror-message \"Only alpha-numeric
name allowed\";\t\t\t}\t\t\tconfigd:pattern-help \"<name>\";\t\t}\t}\ttypedef bandwidth-percent {\t\ttype
string {\t/* Number from 1 - 100 followed by percent */\t\t\tpattern '(100|[1-9][0-9]?(\\.[0-
9]*)?)%';\t\t\tconfigd:pattern-help \"<<number>%>\";\t\t}\t}\ttypedef dscp-name-or-range {\t\ttype string
{\t\t\tconfigd:syntax \"qos-policy.pl --dscp $VAR(@)\";\t\t\tpattern \"([0-9a-z])*(-(([0-9a-z])*))?(,([0-9a-
z])*(-(([0-9a-z])*))?)*\";\t\t\tconfigd:pattern-help \"<<dscp>[-<dscp>][,<dscp>[-
<dscp>]...]>\";\t\t\tconfigd:help \"List of individual or range of DSCP values/names\";\t\t}\t}\tgrouping
rule-qos {\t\tuses npf:rule-common;\t\tuses npf:ethertype;\t\tuses npf:fragment;\t\tuses npf:marking;\t\tuses
npf:policing;\t\tleaf action {\t\t\ttype enumeration {\t\t\t\tenum \"pass\" {\t\t\t\t\tdescription \"Process
```

packets matching this rule with QoS settings\";\t\t\t\t\tconfigd:help \"Process packets matching this rule with QoS settings\";\t\t\t\t\t}\t\t\t\t\tenum \"drop\" {\t\t\t\t\tdescription \"Drop packets matching this rule\";\t\t\t\t\tconfigd:help \"Drop packets matching this rule\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tdescription \"Rule action\";\t\t\t\tconfigd:help \"Rule action\";\t\t\t\tdefault \"pass\";\t\t}\t\t}\tgrouping class-list {\t\tlist class {\t\t\tconfigd:help \"Class number\";\t\t\tmax-elements \"255\";\t\t\tkey \"id\";\t\t\tleaf id {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..255;\t\t\t\t}\t\t\t\tconfigd:help \"Class number\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Description for this policy class\";\t\t\t}\t\t\tleaf profile {\t\t\t\ttype name;\t\t\t\tmandatory true;\t\t\t\tconfigd:help \"QoS profile for class\";\t\t\t}\t\t\tlist match {\t\t\t\tconfigd:help \"Class matching rule\";\t\t\t\tkey \"id\";\t\t\t\tleaf id {\t\t\t\t\ttype name;\t\t\t\t\tconfigd:help \"Class matching rule\";\t\t\t\t}\t\t\t\tuses rule-qos;\t\t\t}\t\t}\t}\tgrouping bandwidth-combo {\t\tleaf bandwidth {\t\t\ttype union {\t\t\t\ttype npf:bandwidth-suffix;\t\t\t\ttype bandwidth-percent;\t\t\t}\t\t\tdefault \"100%\";\t\t\tconfigd:help \"Bandwidth limit\";\t\t}\t}\tgrouping traffic-class-list {\t\tlist traffic-class {\t\t\tconfigd:help \"Traffic Class\";\t\t\tkey \"id\";\t\t\tleaf id {\t\t\t\ttype uint32 {\t\t\t\t\trange 0..3;\t\t\t\t}\t\t\t\tconfigd:help \"Traffic Class\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Description for this traffic-class\";\t\t\t}\t\t\tuses bandwidth-combo;\t\t}\t}\tgrouping period {\t\tleaf period {\t\t\ttype uint32 {\t\t\t\trange 1..3000;\t\t\t}\t\t\tconfigd:help \"Enforcement period (ms)\";\t\t}\t}\tgrouping red-parameter {\t\tcontainer random-detect {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Random Early Detection (RED) parameters\";\t\t\tleaf min-threshold {\t\t\t\ttype uint16 {\t\t\t\t\trange 1..1022;\t\t\t\t}\t\t\t\tconfigd:help \"Minimum threshold\";\t\t\t}\t\t\tleaf max-threshold {\t\t\t\ttype uint16 {\t\t\t\t\trange 1..1023;\t\t\t\t}\t\t\t\tconfigd:help \"Maximum threshold\";\t\t\t}\t\t\tleaf filter-weight {\t\t\t\ttype uint16 {\t\t\t\t\trange 1..12;\t\t\t\t}\t\t\t\tconfigd:help \"EWMA Filter Weight\";\t\t\t\tdefault \"9\";\t\t\t}\t\t\tleaf mark-probability {\t\t\t\ttype uint16 {\t\t\t\t\trange 1..255;\t\t\t\t}\t\t\t\tconfigd:help \"Inverse of packet marking probability maximum value\";\t\t\t\tdefault \"10\";\t\t\t}\t\t}\t}\tgrouping to-queue {\t\tleaf to {\t\t\ttype uint32 {\t\t\t\trange 0..15;\t\t\t}\t\t\tmandatory true;\t\t\tconfigd:help \"Queue\";\t\t}\t}\tgrouping queue-map {\t\tcontainer map {\t\t\tconfigd:help \"Type to queue mapping\";\t\t\tlist pcp {\t\t\t\tconfigd:help \"Priority Control Point\";\t\t\t\tkey \"id\";\t\t\t\tleaf id {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..7;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Priority Control Point\";\t\t\t\t}\t\t\t\tuses to-queue;\t\t\t}\t\t\tlist dscp {\t\t\t\tconfigd:help \"DSCP to queue mapping\";\t\t\t\tkey \"id\";\t\t\t\tleaf id {\t\t\t   type dscp-name-or-range;\t\t\t\t\tconfigd:help \"DSCP value\";\t\t\t\t}\t\t\t\tuses to-queue;\t\t\t}\t\t}\t}\tgrouping profile-list {\t\tlist profile {\t\t\tconfigd:help \"QoS traffic profile\";\t\t\tmax-elements \"256\";\t\t\tkey \"id\";\t\t\tleaf id {\t\t\t\ttype name;\t\t\t\tconfigd:help \"QoS traffic profile\";\t\t\t}\t\t\tuses period;\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Description for this traffic profile\";\t\t\t}\t\t\tuses npf:burst;\t\t\tleaf bandwidth {\t\t\t\ttype npf:bandwidth-suffix;\t\t\t\tconfigd:help \"Bandwidth limit\";\t\t\t}\t\t\tuses queue-map;\t\t\tlist queue {\t\t\t\tconfigd:help \"Queue properties\";\t\t\t\tkey \"id\";\t\t\t\tleaf id {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..15;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Queue properties\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description for this queue\";\t\t\t\t}\t\t\t\tleaf traffic-class {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..3;\t\t\t\t\t}\t\t\t\t\tmandatory true;\t\t\t\t\tconfigd:help \"Traffic class\";\t\t\t\t}\t\t\t\tleaf weight {\t\t\t\t\ttype uint8 {\t\t\t\t\t\trange 1..100;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"WRR weight\";\t\t\t\t\tdefault \"1\";\t\t\t\t}\t\t\t}\t\t\tuses traffic-class-list;\t\t}\t}\tgrouping subport {\t\tleaf default {\t\t\ttype name;\t\t\tmandatory true;\t\t\tconfigd:help \"Qos profile for default traffic\";\t\t}\t\tuses bandwidth-combo {\t\t\trefine bandwidth {\t\t\t\tdefault \"10Gbit\";\t\t\t}\t\t}\t\tuses npf:burst;\t\tuses period;\t\tuses traffic-class-list;\t}\tgrouping queue-limit {\t\tleaf queue-limit {\t\t\ttype uint16 {\t\t\t\trange 1|2|4|8|16|32|64|128|256|512|1024|2048|4096|8192|16384|32768;\t\t\t}\t\t\tconfigd:help \"Queue size\";\t\t\tdefault \"64\";\t\t}\t}\tgrouping policy-list {\t\tlist name {\t\t\tconfigd:help \"Quality of Service (QOS) policy\";\t\t\tconfigd:validate \"qos-policy.pl --validate $VAR(@)\";\t\t\tconfigd:end \"qos-policy.pl --update $VAR(@)\";\t\t\tkey \"id\";\t\t\tleaf id {\t\t\t\ttype name;\t\t\t\tconfigd:help \"Quality of Service (QOS) policy\";\t\t\t}\t\t\tcontainer shaper {\t\t\t\tconfigd:help \"Shaping QOS policy\";\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description for this QoS policy\";\t\t\t\t}\t\t\t\tleaf frame-overhead {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 0..1000;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Framing overhead\";\t\t\t\t\tdefault \"24\";\t\t\t\t}\t\t\t\tuses profile-list;\t\t\t\tuses subport {\t\t\t\t\taugment traffic-class {\t\t\t\t\t\tuses queue-limit;\t\t\t\t\t\tuses red-parameter;\t\t\t\t\t}\t\t\t\t}\t\t\t\trefine default {\t\t\t\t\tconfigd:allowed \"echo $VAR(../profile/@@)\";\t\t\t\t}\t\t\t\trefine class/profile {\t\t\t\t\tconfigd:allowed \"echo $VAR(../../profile/@@)\";\t\t\t\t}\t\t\t}\t\t}\t}\taugment /policy:policy {\t\tcontainer qos {\t\t\tconfigd:priority \"400\";\t\t\tconfigd:help \"Quality of Service (QOS)\";\t\t\tuses policy-list;\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane {\t\tconfigd:end \"/opt/vyatta/sbin/qos-policy.pl --update-binding $VAR(@)\";\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-policy:policy {\t\tleaf qos {\t\t\ttype string;\t\t\tconfigd:help \"Qos policy for interface\";\t\t\tconfigd:allowed \"echo $VAR(/policy/qos/name/@@)\";\t\t\tconfigd:validate \"qos-policy.pl --validate-binding $VAR(../../@) 0\";\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-policy:policy {\t\tleaf qos {\t\t\ttype string;\t\t\tconfigd:help \"Qos policy for virtual interface\";\t\t\tconfigd:allowed \"echo $VAR(/policy/qos/name/@@)\";\t\t\tconfigd:validate \"qos-policy.pl --validate-binding $VAR(../../../@) $VAR(../../@)\";\t\t}\t}}</module<module name=\"vyatta-system-syslog-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-syslog-routing-instance:1\" revision=\"2016-04-22\" format=\"yang\" length=\"906\"module vyatta-system-syslog-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-syslog-routing-instance:1\";\tprefix vyatta-system-syslog-routing-instance-v1;\timport vyatta-system-syslog-v1 {\t\tprefix syslog;\t}\timport vyatta-routing-v1 {\t\tprefix routing;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";   \tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t Syslog VRF configuration\";\trevision 2016-04-22 {\t\tdescription \"Initial revision\";\t}\taugment /routing:routing/routing:routing-instance/routing:system {\t\tuses syslog:syslog-base;\t}\taugment /routing:routing/routing:routing-instance/routing:system/syslog {\t\tuses syslog:syslog-remote;\t}}</module<module name=\"vyatta-system-tacplus-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-tacplus:1\" revision=\"2016-02-19\" format=\"yang\" length=\"2369\"module vyatta-system-tacplus-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-tacplus:1\";\tprefix vyatta-system-tacplus-v1;\timport vyatta-system-v1 {\t\tprefix system;\t}\timport vyatta-system-login-v1 {\t\tprefix system-login;\t}\timport

vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t} \torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-system-tacplus-v1\";\trevision 2016-02-19 {\t\tdescription \"Create grouping for tacplus.\";\t}\trevision 2015-08-18 {\t\tdescription \"Use canned type for IPv4/IPv6 address.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /system:system {\t\tcontainer tacplus-options {\t\t\tpresence \"true\";\t\t\tconfigd:help \"TACACS+ accounting\";\t\t\tleaf command-accounting {\t\t\t\ttype empty;\t\t\t\tconfigd:priority \"410\";\t\t\t\tconfigd:help \"TACACS+ command accounting\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/system/tacplus-options/command-accounting/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/tacplus-options/command-accounting/configd_delete.sh\";\t\t\t}\t\t}\t}\tgrouping tacplus-system-login-grouping {\t\tlist tacplus-server {\t\t\tconfigd:help \"TACACS+ server address\";\t\t\tordered-by \"user\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype types:ip-address;\t\t\t\tconfigd:help \"TACACS+ server address\";\t\t\t}\t\t\tleaf source-address {\t\t\t\ttype types:ip-address;\t\t\t\tconfigd:help \"Source address to use for connecting to TACACS+ server\";\t\t\t}\t\t\tleaf port {\t\t\t\ttype uint16 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"TACACS+ server port\";\t\t\t\tdefault \"49\";\t\t\t}\t\t\tleaf secret {\t\t\t\ttype string {\t\t\t\t\tlength 1..64;\t\t\t\t\tpattern \"[!-~]+\" {\t\t\t\t\t\terror-message \"Secret must not contain space\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Secret for TACACS+ access [REQUIRED]\";\t\t\t\tconfigd:secret \"true\";\t\t\t\tmandatory true;\t\t\t}\t\t\tleaf timeout {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..30;\t\t\t\t}\t\t\t\tconfigd:help \"Timeout for TACACS+ session\";\t\t\t\tdefault \"3\";\t\t\t}\t\t}\t}\taugment /system:system/system-login:login {\t\tuses tacplus-system-login-grouping;\t}}</module<module name=\"vyatta-system-fips-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-fips:1\" revision=\"2015-08-14\" format=\"yang\" length=\"1038\"module vyatta-system-fips-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-fips:1\";\tprefix vyatta-system-fips-v1;\timport vyatta-system-v1 {\t\tprefix system;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-system-fips-v1.\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /system:system {\t\tcontainer fips {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Enable FIPS mode - this operation is irreversible\";\t\t\tleaf enable {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable FIPS mode - this operation is irreversible\";\t\t\t\tconfigd:create \"vyatta-grub-enable-fips\";\t\t\t}\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/system/fips/config validate1.cli\";\t\t}\t}}</module<module name=\"vyatta-service-ssh-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-ssh:1\" revision=\"2016-03-28\" format=\"yang\" length=\"3357\"module vyatta-service-ssh-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-ssh:1\";\tprefix vyatta-service-ssh-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-system-v1 {\t\tprefix system;\t}\timport vyatta-system-login-v1 {\t\tprefix system-login;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t SSH configuration\";\trevision 2016-03-28 {\t\tdescription \"Add augment of /system/login\t\t\t   Remove use of bash in action scripts\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /system:system/system-login:login {\t\tconfigd:end \"vyatta-update-ssh.pl --no-keygen --update\";\t}\tgrouping service-ssh {\t\tcontainer ssh {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"500\";\t\t\tconfigd:help \"Secure Shell (SSH) protocol\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/service/ssh/configd_update --action=delete\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/service/ssh/configd_update --action=update\";\t\t\tleaf allow-root {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable root login over ssh\";\t\t\t}\t\t\tleaf authentication-retries {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..5;\t\t\t\t}\t\t\t\tconfigd:help \"SSH authentication retries. The default is 3.\";\t\t\t\tdefault \"3\";\t\t\t}\t\t\tleaf timeout {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..120;\t\t\t\t}\t\t\t\tconfigd:help \"SSH timeout value (secs). The default is 120.\";\t\t\t\tdefault \"120\";\t\t\t}\t\t\tleaf key-security-strength {\t\t\t\ttype enumeration {\t\t\t\t\tenum \"80\" {\t\t\t\t\t\tconfigd:help \"Generating RSA1-1024, RSA-1024, DSA-1024, ECDSA-256 keys.\";\t\t\t\t\t}\t\t\t\t\tenum \"112\" {\t\t\t\t\t\tconfigd:help \"Generating RSA1-2048, RSA-2048, DSA-1024, ECDSA-256 keys.\";\t\t\t\t\t}\t\t\t\t\tenum \"128\" {\t\t\t\t\t\tconfigd:help \"Generating RSA1-3072, RSA-3072, DSA-1024, ECDSA-256 keys.\";\t\t\t\t\t}\t\t\t\t\tenum \"192\" {\t\t\t\t\t\tconfigd:help \"Generating RSA1-7680, RSA-7680, DSA-1024, ECDSA-384 keys.\";\t\t\t\t\t}\t\t\t\t\tenum \"256\" {\t\t\t\t\t\tconfigd:help \"Generating RSA1-15360, RSA-15360, DSA-1024, ECDSA-521 keys.\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"SSH key strength to generate keys. A higher strength takes longer to complete.\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/ssh/key-security-strength/config validate.cli\";\t\t\t}\t\t\tleaf disable-password-authentication {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Don't allow unknown user to login with password\";\t\t\t}\t\t\tleaf-list port {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535 {\t\t\t\t\t\terror-message \"Port number must be in range 1 to 65535\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Port for SSH service\";\t\t\t}\t\t\tleaf-list listen-address {\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype types:ipv6-address;\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Local addresses SSH service should listen on\";\t\t\t}\t\t\tleaf disable-host-validation {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Don't validate the remote host name with DNS\";\t\t\t}\t\t\tleaf disable-tcp-forwarding {\t\t\t type empty;\t\t\t configd:help \"Disable TCP port forwarding\";\t\t\t}\t\t}\t}\taugment /service:service {\t\tuses service-ssh;\t}}</module<module name=\"vyatta-interfaces-bridge-rstp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-bridge-rstp:1\" revision=\"2015-10-13\" format=\"yang\" length=\"4763\"module vyatta-interfaces-bridge-rstp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-bridge-rstp:1\";\tprefix interfaces-bridge-rstp;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-interfaces-bridge-spanning-tree-v1 {\t\tprefix interfaces-bridge-stp;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t

Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\" +\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t\t The YANG module for vyatta-interfaces-bridge-rstp-v1.\";\trevision 2015-10-13 {\t\tdescription \"Initial revision of version 1\";\t}\tgrouping rstp-port {\t\tleaf admin-edge {\t\t\ttype empty;\t\t\tdescription \"Port is connected to a LAN that has no other bridges attached.Transition directly to the forwarding state.\";\t\t\tconfigd:help \"Enable Spanning Tree admin edge mode\";\t\t}\t\tleaf auto-edge {\t\t\ttype empty;\t\t\tdescription \"Automatically determine if port is connected to a LAN that hasno other bridges attached. A port attached to a LAN with no other bridges attached may transitiondirectly to the forwarding state.\";\t\t\tconfigd:help \"Enable Spanning Tree automatic admin edge detection\";\t\t}\t\tleaf restrict-tcn {\t\t\ttype empty;\t\t\tdescription \"Restricts the ports ability to propagate received topology change notifications.\";\t\t\tconfigd:help \"Restrict propagation of Spanning Tree topology change notifications\";\t\t}\t\tleaf network-port {\t\t\ttype empty;\t\t\tdescription \"Detect unidirectional link on point-to-point link where RSTP is enabled. The port is in an inconsistent state (Listening or Discarding) until a BPDU is received from the peer. network-port must be configured on both ends of the link. Bridge assurance is operational only when network-port is configured and the operational status is point-to-point and the version is RSTP.\";\t\t\tconfigd:help \"Enable Spanning Tree uni-directional link detection\";\t\t}\t\tleaf point-to-point {\t\t\tconfigd:help \"Set point-to-point operational status\";\t\t\tdescription \"Set the ports point-to-point operational status. Auto means p2p operational status is determined from port duplex mode. Bridge assurance is operational only when network-port is configured and the operational status is point-to-point and the version is RSTP.\";\t\t\ttype enumeration {\t\t\t\tenum \"auto\" {\t\t\t\t\tdescription \"Determine point-to-point from duplex setting\";\t\t\t\t\tconfigd:help \"Determine point-to-point from duplex setting\";\t\t\t\t}\t\t\t\tenum \"on\";\t\t\t\tenum \"off\";\t\t\t}\t\t\tdefault \"auto\";\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-bridge:bridge-group {\t\tuses rstp-port;\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-bridge:bridge-group {\t\tuses rstp-port;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bridge:bridge-group {\t\tuses rstp-port;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-bridge:bridge-group {\t\tuses rstp-port;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-bridge:bridge-group {\t\tuses rstp-port;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-bridge:bridge-group {\t\tuses rstp-port;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-bridge:bridge-group {\t\tuses rstp-port;\t}\taugment /if:interfaces/interfaces-bridge:bridge/interfaces-bridge-stp:spanning-tree {\t\tleaf tx-hold-count {\t\t\ttype uint8 {\t\t\t\trange 1..10;\t\t\t}\t\t\tdefault \"6\";\t\t\tdescription \"Maximum number of BPDUs transmitted during hello-time period.\";\t\t\tconfigd:help \"Maximum number of BPDUs transmitted during hello-time period\";\t\t\tconfigd:update \"vyatta-bridge-stp --bridge=$VAR(../../@) --action=set txhold --val=$VAR(@)\";\t\t}\t\tleaf version {\t\t\ttype enumeration {\t\t\t\tenum \"stp\";\t\t\t\tenum \"rstp\";\t\t\t}\t\t\tconfigd:help \"Spanning Tree version\";\t\t\tdefault \"rstp\";\t\t\tdescription \"Spanning Tree version. If rstp (802.1w) is configured the operational version will revert to stp (802.1d) if an stp BPDU is received.\";\t\t\tconfigd:update \"vyatta-bridge-stp --bridge=$VAR(../../@) --action=set_version --val=$VAR(@)\";\t\t}\t}}</module<module name=\"vyatta-opd-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-opd:1\" revision=\"2015-08-14\" format=\"yang\" length=\"809\"module vyatta-opd-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-opd:1\";\tprefix vyatta-opd-v1;\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-opd\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\trpc command {\t\tconfigd:call-rpc \"oprpc\";\t\tinput {\t\t\tleaf command {\t\t\t\ttype enumeration {\t\t\t\t\tenum show;\t\t\t\t}\t\t\t\tdefault show;\t\t\t}\t\t\tleaf args {\t\t\t\ttype string;\t\t\t}\t\t}\t\toutput {\t\t\tleaf output {\t\t\t\ttype string;\t\t\t}\t\t}\t}}</module<module name=\"vyatta-service-dhcp-relay-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-dhcp-relay-routing-instance:1\" revision=\"2016-06-12\" format=\"yang\" length=\"3629\"module vyatta-service-dhcp-relay-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-dhcp-relay-routing-instance:1\";\tprefix vyatta-service-dhcp-relay-routing-instance-v1;\timport vyatta-service-dhcp-relay-v1 {\t\tprefix relay;\t}\timport vyatta-routing-v1 {\t\tprefix routing;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix if-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix if-dataplane;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix if-bonding;\t}\timport vyatta-routing-instance-interfaces-v1 {\t\tprefix rtintf;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-dhcp-relay-routing-instance-v1\";\trevision 2016-06-12 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /routing:routing/routing:routing-instance/routing:service {\t\tuses relay:dhcp-relay-service {\t\t\trefine dhcp-relay {\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/dhcp-relay/configd vrf end1.cli\";\t\t\t}\t\t\trefine dhcp-relay/listen-interface {\t\t\t\tconfigd:allowed \"vyatta-show-interfaces.pl --vrf=$VAR(../../../@) --action=dhcp_allowed\";\t\t\t\tmust \"(current() = /if:interfaces/if-dataplane:dataplane/if-dataplane:tagnode)\t\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-dataplane:dataplane\t\t\t\t\t+ \"[if-dataplane:tagnode = substring-before(current(), '.')]/if-dataplane:vif/if-dataplane:tagnode)\t\t\t\t\t+ \"or (current() = /if:interfaces/if-bridge:bridge/if-bridge:tagnode)\t\t\t\t\t+ \"or (current() = /if:interfaces/if-bonding:bonding/if-bonding:tagnode)\t\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-bonding:bonding\t\t\t\t\t+ \"[if-bonding:tagnode = substring-before(current(), '.')]/if-bonding:vif/if-bonding:tagnode)\" {\t\t\t\t\terror-message \"listen-interface name must refer to an existing dataplane, bonding or bridge interface name\";\t\t\t\t}\t\t\t\tmust \"current() = /routing:routing/routing:routing-instance\" +\t\t\t\t\t\"[routing:instance-name = current()/../../../routing:instance-name]\" +\t\t\t\t\t\"/rtintf:interface/rtintf:name\" {\t\t\t\t\terror-message \"listen-interface must be configured in this routing instance\";\t\t\t\t}\t\t\t}\t\t\trefine dhcp-relay/upstream-interface {\t\t\t\tconfigd:allowed \"vyatta-show-interfaces.pl --vrf=$VAR(../../../@) --action=dhcp_allowed\";\t\t\t\tmust \"(current() = /if:interfaces/if-dataplane:dataplane/if-dataplane:tagnode)\t\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-dataplane:dataplane\t\t\t\t\t+ \"[if-dataplane:tagnode = substring-before(current(), '.')]/if-dataplane:vif/if-dataplane:tagnode)\t\t\t\t\t+ \"or (current() = /if:interfaces/if-bridge:bridge/if-bridge:tagnode)\t\t\t\t\t+ \"or (current() = /if:interfaces/if-bonding:bonding/if-

bonding:tagnode)\"\t\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-bonding:bonding\"\t\t\t\t\t+ \"[if-bonding:tagnode = substring-before(current(), '.')]/if-bonding:vif/if-bonding:tagnode)\" {\t\t\t\t\terror-message \"listen-interface name must refer to an existing dataplane, bonding or bridge interface name\";\t\t\t\t}\t\t\t\tmust \"current() = /routing:routing/routing:routing-instance\" +\t\t\t\t\t\t\"[routing:instance-name = current()/../../../routing:instance-name]\" +\t\t\t\t\t\t\"/rtintf:interface/rtintf:name\" {\t\t\t\terror-message \"upstream-interface must be configured in this routing instance\";\t\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-interfaces-bonding-qos-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-bonding-qos:1\" revision=\"2016-04-27\" format=\"yang\" length=\"1550\"module vyatta-interfaces-bonding-qos-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-bonding-qos:1\";\tprefix vyatta-interfaces-bonding-qos-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport vyatta-policy-qos-v1 {\t\tprefix qos;\t}\timport vyatta-interfaces-policy-v1 {\t\tprefix interfaces-policy;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-interfaces-bonding-qos-v1\";\trevision 2016-04-27 {\t\tdescription \"Initial revision\";\t}\tgrouping qos-bonding {\t\tleaf qos {\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/qos:qos/qos:name/qos:id\";\t\t\t}\t\t\tconfigd:help \"QoS policy for interface\";\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding {\t\tconfigd:begin \"/opt/vyatta/share/tmplscripts/interfaces/bonding/policy/qos/configd begin.sh\";\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/bonding/policy/qos/configd end.sh\";\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-policy:policy {\tuses qos-bonding;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-policy:policy {\tuses qos-bonding;\t}}</module><module name=\"vyatta-bridge-static-fdb-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-bridge-static-fdb:1\" revision=\"2015-07-29\" format=\"yang\" length=\"1524\"module vyatta-bridge-static-fdb-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-bridge-static-fdb:1\";\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport vyatta-protocols-static-v1 {\t\tprefix prot-static;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-bridge-static-fdb-v1\";\trevision 2015-07-29 {\t\tdescription \"Initial revision\";\t}\taugment /protocols:protocols/prot-static:static {\t\tlist bridge-mac {\t\t\tdescription \"Static entry in bridge forwarding database.\";\t\t\tconfigd:help \"Static entry in bridge forwarding database\";\t\t\tconfigd:end \"vyatta-bridge-static-fdb --end ${COMMIT ACTION} $VAR(@) $VAR(./interface/@)\";\t\t\tkey \"mac\";\t\t\tleaf mac {\t\t\t\ttype types:mac-address;\t\t\t\tdescription \"MAC address for bridge FDB static entry.\";\t\t\t\tconfigd:help \"MAC address for bridge FDB static entry\";\t\t\t}\t\t\tleaf interface {\t\t\t\ttype string {\t\t\t\t\tlength \"2..256\";\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tdescription \"Interface for the bridge FDB static entry.\";\t\t\t\tconfigd:help \"Interface for the bridge FDB static entry\";\t\t\t\tconfigd:allowed \"vyatta-bridge-ports --show-ports\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-system-alg-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-alg:1\" revision=\"2016-04-04\" format=\"yang\" length=\"6586\"module vyatta-system-alg-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-alg:1\";\tprefix vyatta-system-alg-v1;\timport vyatta-system-v1 {\t\tprefix system;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t YANG module and scripts for Vyatta ALG configuration and operation\";\trevision 2016-04-04 {\t\tdescription \"Added alg-grouping\";\t}\trevision 2015-12-16 {\t\tdescription \"Add rsh ALG control.\";\t}\trevision 2015-10-22 {\t\tdescription \"Initial revision.\";\t}\tgrouping alg-grouping {\t\tcontainer alg {\t\t\tpresence \"configure ALGs\";\t\t\tdescription \"ALG control options.\";\t\t\tconfigd:help \"Connection tracking modules settings\";\t\t\tcontainer icmp {\t\t\t\tpresence \"deprecated\";\t\t\t\tdescription \"supported without ALG, deprecating.\";\t\t\t\tconfigd:help \"ICMP connection tracking settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-alg.pl --module=icmp --vrfid=$VAR(../../../../routing-instance/@)\";\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable ICMP connection tracking\";\t\t\t\t\tstatus deprecated;\t\t\t\t}\t\t\t}\t\t\tcontainer pptp {\t\t\t\tpresence \"configure PPTP ALG\";\t\t\t\tdescription \"PPTP ALG control options.\";\t\t\t\tconfigd:help \"PPTP connection tracking settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-alg.pl --module=pptp --vrfid=$VAR(../../../../routing-instance/@)\";\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable PPTP connection tracking\";\t\t\t\t}\t\t\t}\t\t\tcontainer tftp {\t\t\t\tpresence \"configure TFTP ALG\";\t\t\t\tdescription \"TFTP ALG control options.\";\t\t\t\tconfigd:help \"TFTP connection tracking settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-alg.pl --module=tftp --vrfid=$VAR(../../../../routing-instance/@)\";\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable TFTP connection tracking\";\t\t\t\t}\t\t\t\tleaf-list port {\t\t\t\t\tmax-elements 32;\t\t\t\t\tconfigd:help \"TFTP control port\";\t\t\t\t\ttype uint16 {\t\t\t\t\t\trange 1..65535;\t\t\t\t\t}\t\t\t\t\tmust \"(not(current() = ../../ftp/port))\" {\t\t\t\t\t\terror-message \"TFTP ports cannot contain FTP ports.\";\t\t\t\t\t}\t\t\t\t\tmust \"((../../ftp/disable or count(../../ftp/port) > 0) or current() != 21)\" {\t\t\t\t\t\terror-message \"TFTP cannot set port 21 unless FTP has port(s) set or is disabled.\";\t\t\t\t\t}\t\t\t\t\tmust \"(not(current() = ../../sip/port))\" {\t\t\t\t\t\terror-message \"TFTP ports cannot contain SIP ports.\";\t\t\t\t\t}\t\t\t\t\tmust \"((../../sip/disable or count(../../sip/port) > 0) or current() != 5060)\" {\t\t\t\t\t\terror-message \"TFTP cannot set port 5060 unless SIP has port(s) set or is disabled.\";\t\t\t\t\t}\t\t\t\t\tmust \"(../../rpc/disable or current() != 111)\" {\t\t\t\t\t\terror-message \"TFTP cannot set port 111 unless RPC ALG is disabled\";\t\t\t\t\t}\t\t\t\t\tmust \"(../../rsh/disable or current() != 514)\" {\t\t\t\t\t\terror-message \"TFTP cannot set port 514 unless RSH ALG is disabled\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer ftp {\t\t\t\tpresence \"configure FTP ALG\";\t\t\t\tdescription \"FTP ALG control options.\";\t\t\t\tconfigd:help \"FTP connection tracking settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-alg.pl --module=ftp --vrfid=$VAR(../../../../routing-instance/@)\";\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable FTP connection tracking\";\t\t\t\t}\t\t\t\tleaf-list port {\t\t\t\t\tmax-elements 32;\t\t\t\t\tconfigd:help \"FTP control port\";\t\t\t\t\ttype uint16 {\t\t\t\t\t\trange 1..65535;\t\t\t\t\t}\t\t\t\t\tmust \"(not(current() = ../../tftp/port))\" {\t\t\t\t\t\terror-message \"FTP ports cannot contain TFTP ports.\";\t\t\t\t\t}\t\t\t\t\tmust \"((../../tftp/disable or count(../../tftp/port) > 0) or current() !=

69)\" {\t\t\t\t\terror-message \"FTP cannot set port 69 unless TFTP has port(s) set or is disabled.\";\t\t\t\t\t}\t\t\t\t\tmust \"(not(current() = ../../sip/port))\" {\t\t\t\t\terror-message \"FTP ports cannot contain SIP ports.\";\t\t\t\t\t}\t\t\t\t\tmust \"((../../sip/disable or count(../../sip/port) > 0) or current() != 5060)\" {\t\t\t\t\terror-message \"FTP cannot set port 5060 unless SIP has port(s) set or is disabled.\";\t\t\t\t\t}\t\t\t\t\tmust \"(../../rpc/disable or current() != 111)\" {\t\t\t\t\terror-message \"FTP cannot set port 111 unless RPC ALG is disabled\";\t\t\t\t\t}\t\t\t\t\tmust \"(../../rsh/disable or current() != 514)\" {\t\t\t\t\terror-message \"FTP cannot set port 514 unless RSH ALG is disabled\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer sip {\t\t\t\tpresence \"configure SIP ALG\";\t\t\t\tdescription \"SIP ALG control options.\";\t\t\t\tconfigd:help \"SIP connection tracking settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-alg.pl --module=sip --vrfid=$VAR(../../../../routing-instance/@)\";\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable SIP connection tracking\";\t\t\t\t}\t\t\t\tleaf-list port {\t\t\t\t\tmax-elements 32;\t\t\t\t\tconfigd:help \"SIP control port\";\t\t\t\t\ttype uint16 {\t\t\t\t\t\trange 1..65535;\t\t\t\t\t}\t\t\t\t\tmust \"(not(current() = ../../tftp/port))\" {\t\t\t\t\terror-message \"SIP ports cannot contain TFTP ports.\";\t\t\t\t\t}\t\t\t\t\tmust \"((../../tftp/disable or count(../../tftp/port) > 0) or current() != 69)\" {\t\t\t\t\terror-message \"SIP cannot set port 69 unless TFTP has port(s) set or is disabled.\";\t\t\t\t\t}\t\t\t\t\tmust \"(not(current() = ../../ftp/port))\" {\t\t\t\t\terror-message \"SIP ports cannot contain FTP ports.\";\t\t\t\t\t}\t\t\t\t\tmust \"((../../ftp/disable or count(../../ftp/port) > 0) or current() != 21)\" {\t\t\t\t\terror-message \"SIP cannot set port 21 unless FTP has port(s) set or is disabled.\";\t\t\t\t\t}\t\t\t\t\tmust \"(../../rpc/disable or current() != 111)\" {\t\t\t\t\terror-message \"SIP cannot set port 111 unless RPC ALG is disabled\";\t\t\t\t\t}\t\t\t\t\tmust \"(../../rsh/disable or current() != 514)\" {\t\t\t\t\terror-message \"SIP cannot set port 514 unless RSH ALG is disabled\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer rpc {\t\t\t\tpresence \"configure RPC ALG\";\t\t\t\tdescription \"RPC ALG control options.\";\t\t\t\tconfigd:help \"RPC connection tracking settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-alg.pl --module=rpc --vrfid=$VAR(../../../../routing-instance/@)\";\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable RPC connection tracking\";\t\t\t\t}\t\t\t\tleaf-list program {\t\t\t\t\ttype uint32;\t\t\t\t\tmax-elements 32;\t\t\t\t\tconfigd:help \"Configure allowed RPC programs\";\t\t\t\t}\t\t\t}\t\t\tcontainer rsh {\t\t\t\tdescription \"RSH ALG control options.\";\t\t\t\tconfigd:help \"RSH connection tracking settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-alg.pl --module=rsh --vrfid=$VAR(../../../../routing-instance/@)\";\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable RSH connection tracking\";\t\t\t\t}\t\t\t}\t\t}\t}\taugment /system:system {\t\tuses alg-grouping;\t}}</module><module name=\"vyatta-interfaces-l2tpeth-v1\" uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-l2tpeth:1\" revision=\"2016-05-04\" format=\"yang\" length=\"9557\">module vyatta-interfaces-l2tpeth-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-l2tpeth:1\";\tprefix vyatta-interfaces-l2tpeth-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-xconnect-v1 {\t\tprefix xconnect;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module for Layer 2 Tunnel Protocol Version 3 (L2TPv3)\t interfaces.\";\trevision 2016-05-04 {\t\tdescription \"Add mandatory and range to l2tp-session\";\t}\trevision 2016-03-28 {\t\tdescription \"Remove use of bash in action scripts\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /if:interfaces {\t\tlist l2tpeth {\t\t\tconfigd:priority \"500\";\t\t\tconfigd:help \"L2TPv3 static tunnel interface\";\t\t\tconfigd:defer-actions \"/opt/vyatta/sbin/vyatta-l2tpeth.pl ${COMMIT_ACTION} $VAR(@)\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/configd end.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern \"lttp[0-9]+\";\t\t\t\t\tconfigd:pattern-help \"<lttpN>\";\t\t\t\t}\t\t\t\tconfigd:help \"L2TPv3 static tunnel interface\";\t\t\t}\t\t\tleaf description {\t\t\t\tconfigd:priority \"510\";\t\t\t\ttype string {\t\t\t\t\tpattern \".{1,256}\" {\t\t\t\t\t\terror-message \"interface description is too long (limit 256 characters)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Description\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/description/configd update.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/description/configd delete.sh\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/description/configd_validate1.cli\";\t\t\t}\t\t\tcontainer ip {\t\t\t\tconfigd:help \"IPv4 parameters\";\t\t\t\tleaf enable-proxy-arp {\t\t\t\t\tconfigd:priority \"510\";\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable proxy-arp on this interface\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/ip/enable-proxy-arp/configd create.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/ip/enable-proxy-arp/configd_delete.sh\";\t\t\t\t}\t\t\t\tleaf disable-forwarding {\t\t\t\t\tconfigd:priority \"510\";\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable IPv4 forwarding on this interface\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/ip/disable-forwarding/configd create.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/ip/disable-forwarding/configd delete.sh\";\t\t\t\t}\t\t\t}\t\t\tcontainer ipv6 {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"IPv6 parameters\";\t\t\t}\t\t\tleaf mtu {\t\t\t\ttype uint32 {\t\t\t\t\trange 64..9000;\t\t\t\t}\t\t\t\tconfigd:priority \"510\";\t\t\t\tconfigd:help \"Maximum Transmission Unit (MTU)\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/mtu/configd create.sh\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/mtu/configd update.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/mtu/configd_delete.sh\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/mtu/configd_validate1.cli\";\t\t\t}\t\t\tleaf disable {\t\t\t\ttype empty;\t\t\t\tconfigd:priority \"510\";\t\t\t\tconfigd:help \"Disable interface\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/disable/configd create.sh\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/disable/configd validate1.cli\";\t\t\t}\t\t\tlist vif {\t\t\t\tconfigd:priority \"510\";\t\t\t\tconfigd:help \"Virtual Interface (VIF) ID\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/configd_delete.sh\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/configd validate1.cli\";\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/configd validate2.cli\";\t\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta-intf-end $VAR(../@).$VAR(@)\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..4094;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Virtual Interface (VIF)

ID\";\t\t\t\t}\t\t\t\tleaf vlan {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
1..4094;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Virtual Local Area Network (VLAN) ID\";\t\t\t\t\tconfigd:update
\"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --update-vlan\";\t\t\t\t\tconfigd:delete
\"vyatta-interfaces.pl --dev $VAR(../../@) --update-vif $VAR(../@) --delete-vlan\";\t\t\t\t}\t\t\t\tleaf
description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/description/configd_update.sh\";\t\t\t\t\tconfigd:dele
te
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/description/configd delete.sh\";\t\t\t\t}\t\t\t\tconta
iner ip {\t\t\t\t\tconfigd:help \"IPv4 parameters\";\t\t\t\t\tleaf enable-proxy-arp {\t\t\t\t\t\ttype
empty;\t\t\t\t\t\tconfigd:help \"Enable proxy-arp on this interface\";\t\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/ip/enable-proxy-
arp/configd_create.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/ip/enable-proxy-
arp/configd delete.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer ipv6 {\t\t\t\t\tpresence
\"true\";\t\t\t\t\tconfigd:help \"IPv6 parameters\";\t\t\t\t}\t\t\t\tleaf mtu {\t\t\t\t\ttype uint32
{\t\t\t\t\t\trange 68..9000;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Maximum Transmission Unit
(MTU)\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/mtu/configd_create.sh\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/mtu/configd_update.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/mtu/configd delete.sh\";\t\t\t\t}\t\t\t\tleaf disable
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable interface\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/disable/configd update.sh\";\t\t\t\t}\t\t\t\tleaf-list
address {\t\t\t\t\ttype if:address;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"IP
address\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/vif/address/configd create.sh\";\t\t\t\t}\t\t\t}\t\t\tleaf
-list address {\t\t\ttype if:address;\t\t\tordered-by \"user\";\t\t\tconfigd:priority
\"510\";\t\t\tconfigd:help \"IP address\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/address/configd_create.sh\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/address/configd_validate1.cli\";\t\t}\t\t\tcontainer
l2tp-session {\t\t\t\tconfigd:help \"L2TPv3 static tunnel interface\";\t\t\tconfigd:begin
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/l2tp-session/configd begin.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/l2tp-session/configd delete.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/l2tp-session/configd_validate.cli\";\t\t\t\tleaf local-ip
{\t\t\t\t\ttype union {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\ttype types:ipv6-
address;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Local IP address for this tunnel\";\t\t\t\t\tmandatory
true;\t\t\t}\t\t\t\tleaf remote-cookie {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern \"([0-9A-Fa-f]{8}|[0-9A-
Fa-f]{16})\" {\t\t\t\t\t\terror-message \"Cookie must be 8 or 16 hex
characters\";\t\t\t\t\t}\t\t\t\t\tconfigd:pattern-help \"<8 or 16 byte hex string (e.g.
abcdef01>\";\t\t\t\t}\t\t\t\tleaf remote-udp-port {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
1..65535;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Remote UDP port for this tunnel\";\t\t\t\t}\t\t\t\tleaf local-
cookie {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern \"([0-9A-Fa-f]{8}|[0-9A-Fa-f]{16})\" {\t\t\t\t\t\terror-
message \"Cookie must be 8 or 16 hex characters\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t\tconfigd:pattern-help \"<8 or 16
byte hex string (e.g. abcdef01)>\";\t\t\t\t}\t\t\t\t\tconfigd:help \"Optional local cookie for this
session\";\t\t\t\t}\t\t\t\tleaf local-udp-port {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
1..65535;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Local UDP port for this tunnel\";\t\t\t\t}\t\t\t\tleaf remote-ip
{\t\t\t\t\ttype union {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\ttype types:ipv6-
address;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Remote IP address for this tunnel\";\t\t\t\t\tmandatory
true;\t\t\t}\t\t\t\tleaf local-session-id {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
1..max;\t\t\t\t\t}\t\t\t\t\tmust \"(count(/if:interfaces/l2tpeth/l2tp-session[local-session-id = current()])
= 1)\" {\t\t\t\t\t\terror-message \"Local-session-id is already in use\";\t\t\t\t\t}\t\t\t\t\tconfigd:help
\"Local session ID for this tunnel\";\t\t\t\t\tmandatory true;\t\t\t}\t\t\t\tleaf encapsulation
{\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Encapsulation of this tunnel
interface\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/l2tpeth/l2tp-
session/encapsulation/configd_allowed.sh\";\t\t\t\t\tmandatory true;\t\t\t}\t\t\t\tleaf remote-session-id
{\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..max;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Remote session ID for
this tunnel\";\t\t\t\t\tmandatory true;\t\t\t}\t\t\t}\t\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane {\tuses xconnect:xconnect-if-binding;\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane/interfaces-dataplane:vif {\tuses xconnect:xconnect-if-binding {\t   \trefine
xconnect {   \t   \t   configd:end
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/vif/xconnect/configd_end.sh\";   \t\t
configd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dataplane/vif/xconnect/configd_validate.cli\";
\t\t\t}\t\t}\t}}</module<module name=\"vyatta-service-nat-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-
nat:1\" revision=\"2015-09-29\" format=\"yang\" length=\"10613\"module vyatta-service-nat-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-service-nat:1\";\tprefix vyatta-service-nat-v1;\timport configd-services-v1
{\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-types-v1 {\t\tprefix
types;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t YANG module and scripts for Vyatta NAT configuration and operation\";\trevision 2015-09-
29 {\t\tdescription \"Initial revision.\";\t}\taugment /service:service {\t\tcontainer nat {\t\t\tpresence
\"true\";\t\t\tconfigd:priority \"310\";\t\t\tconfigd:help \"Network Address Translation
(NAT)\";\t\t\tconfigd:end \"vyatta-dp-npf.pl --cmd=commit\";\t\t\tcontainer ipv6-to-ipv4 {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"IPv6 to IPv4 NAT settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-nat.pl --
type=ipv6-to-ipv4\";\t\t\t\tlist rule {\t\t\t\t\tconfigd:help \"Rule number for
NAT\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/nat/ipv6-to-
ipv4/rule/configd validate1.cli\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype uint32
{\t\t\t\t\t\t\trange 1..9999 {\t\t\t\t\t\t\t\terror-message \"Rule number must be between 1 and
9999.\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf inbound-interface {\t\t\t\t\t\ttype
string;\t\t\t\t\t\tconfigd:allowed \"vyatta-interfaces.pl --show dataplane,bonding\";\t\t\t\t\t\tconfigd:help
\"Interface to initiate a IPv6 to IPv4 session\";\t\t\t\t\t}\t\t\t\t\tcontainer source
{\t\t\t\t\t\tconfigd:help \"Source IPv6 prefix\";\t\t\t\t\t\tleaf prefix {\t\t\t\t\t\t\tconfigd:help \"Source
IPv6 prefix [supported prefixes are 32,40,48,56,64 and 96]\";\t\t\t\t\t\t\ttype types:ipv6-prefix
{\t\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/service/nat/ipv6-to-

ipv4/rule/source/prefix/configd_syntax1.cli\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer
destination {\t\t\t\t\t\tconfigd:help \"Destination IPv6 prefix\";\t\t\t\t\t\tleaf prefix
{\t\t\t\t\t\t\tconfigd:help \"Destination IPv6 prefix [supported prefixes are 32,40,48,56,64 and
96]\";\t\t\t\t\t\t\ttype types:ipv6-prefix {\t\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/ipv6-to-
ipv4/rule/destination/prefix/configd_syntax1.cli\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t
\t\t\t}\t\t\t}\t\t\tcontainer source {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Source NAT
settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-nat.pl --type=source\";\t\t\t\tlist rule
{\t\t\t\t\tconfigd:help \"Rule number for NAT\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/configd_validate0.sh\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/configd_validate1.cli\";\t\t\t\t\tkey
\"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..9999
{\t\t\t\t\t\t\t\terror-message \"Rule number must be between 1 and
9999.\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Rule number for
NAT\";\t\t\t\t\t}\t\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Rule
description\";\t\t\t\t\t}\t\t\t\t\tleaf exclude {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Exclude
from NAT\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/exclude/configd_validate1.cli\";\t\t\t\t}\t\t\t\t\t
leaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable NAT
rule\";\t\t\t\t\t}\t\t\t\t\tcontainer source {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"NAT
source parameters\";\t\t\t\t\tleaf address {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/source/address/configd_syntax1.cli\";\t\t\t\t\t\t}\
t\t\t\t\t\tconfigd:help \"Source IPv4 address, subnet, or address-group\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/source/address/configd_allowed.sh\";\t\t\t\t\t\tcon
figd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/source/address/configd_validate1.cli\";\t\t\t\t\t}\
t\t\t\t\t\tleaf port {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Source port or port-
group\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/source/port/configd_allowed.sh\";\t\t\t\t\t\tconfig
d:validate
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/source/port/configd_validate1.cli\";\t\t\t\t\t}\t\t
\t\t\t}\t\t\t\t\tleaf log {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable logging for NAT
rule\";\t\t\t\t\t}\t\t\t\t\tcontainer destination {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help
\"NAT destination parameters\";\t\t\t\t\tleaf address {\t\t\t\t\t\ttype string
{\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/destination/address/configd_syntax1.cli\";\t\t\t\t\
t\t}\t\t\t\t\t\tconfigd:help \"Destination IPv4 address, subnet, or address-
group\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/destination/address/configd_allowed.sh\";\t\t\t\t\t
\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/destination/address/configd_validate1.cli\";\t\t\t\
t\t}\t\t\t\t\t\tleaf port {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Destination port or port-
group\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/destination/port/configd_allowed.sh\";\t\t\t\t\t\ttc
onfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/destination/port/configd_validate1.cli\";\t\t\t\t\t
}\t\t\t\t\t}\t\t\t\t\tcontainer translation {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Outside
NAT IP (used by source NAT only)\";\t\t\t\t\tleaf address {\t\t\t\t\t\ttype string
{\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/translation/address/configd_syntax1.cli\";\t\t\t\t\t
\t}\t\t\t\t\t\tconfigd:help \"Translated IP address or range\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/translation/address/configd_allowed.sh\";\t\t\t\t\t
}\t\t\t\t\t\tleaf port {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/translation/port/configd_syntax1.cli\";\t\t\t\t\t\t
}\t\t\t\t\t\tconfigd:help \"Translated port\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf outbound-interface
{\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Outbound interface for NAT
traffic\";\t\t\t\t\tconfigd:allowed \"vyatta-interfaces.pl --show
dataplane,bonding\";\t\t\t\t}\t\t\t\tleaf protocol {\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/protocol/configd_syntax1.cli\";\t\t\t\t\t\tconfigd:
syntax
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/protocol/configd_syntax2.cli\";\t\t\t\t\t}\t\t\t\t\
tconfigd:help \"Protocol to NAT\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/source/rule/protocol/configd_allowed.sh\";\t\t\t\t}\t\t\t\t}\t\
t\t}\t\t\tcontainer destination {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Destination NAT
settings\";\t\t\t\tconfigd:end \"vyatta-dp-npf-nat.pl --type=destination\";\t\t\t\tlist rule
{\t\t\t\t\tconfigd:help \"Rule number for NAT\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/configd_validate0.sh\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..9999
{\t\t\t\t\t\t\terror-message \"Rule number must be between 1 and
9999.\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Rule number for
NAT\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Rule
description\";\t\t\t\t}\t\t\t\tleaf exclude {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Exclude
from NAT\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/exclude/configd_validate1.cli\";\t\t}\t\t\
t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable NAT
rule\";\t\t\t\t}\t\t\t\tleaf inbound-interface {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help
\"Inbound interface of NAT traffic\";\t\t\t\t\tconfigd:allowed \"vyatta-interfaces.pl --show
dataplane,bonding\";\t\t\t\t}\t\t\t\tcontainer source {\t\t\t\t\tpresence
\"true\";\t\t\t\t\tconfigd:help \"NAT source parameters\";\t\t\t\t\tleaf address {\t\t\t\t\t\ttype
string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/source/address/configd_syntax1.cli\";\t\t\t\t\
t\t}\t\t\t\t\t\tconfigd:help \"Source IPv4 address, subnet, or address-
group\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/source/address/configd_allowed.sh\";\t\t\t\t\t\t

```
\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/source/address/configd validate1.cli\";\t\t\t\t\
t\t}\t\t\t\t\t\tleaf port {\t\t\t\t\t\tttype string;\t\t\t\t\t\tconfigd:help \"Source port or port-
group\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/source/port/configd_allowed.sh\";\t\t\t\t\t\tc
onfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/source/port/configd_validate1.cli\";\t\t\t\t\t\t\t
}\t\t\t\t\t}\t\t\t\tleaf log {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable logging for NAT
rule\";\t\t\t\t\t}\t\t\t\t\tcontainer destination {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help
\"NAT destination parameters\";\t\t\t\t\tleaf address {\t\t\t\t\ttype string
{\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/destination/address/configd_syntax1.cli\";\t\t\t
\t\t}\t\t\t\t\tconfigd:help \"Destination IPv4 address, subnet, or address-
group\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/destination/address/configd allowed.sh\";\t\t\t\
t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/destination/address/configd_validate1.cli\";\t\t\t
\t\t\t\t}\t\t\t\t\t\tleaf port {\t\t\t\t\t\tttype string;\t\t\t\t\t\tconfigd:help \"Destination port or
port-group\";\t\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/destination/port/configd allowed.sh\";\t\t\t\t\t
\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/destination/port/configd validate1.cli\";\t\t\t\t\
t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer translation {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help
\"Inside NAT IP (used by destination NAT only)\";\t\t\t\t\tleaf address {\t\t\t\t\t\ttype string
{\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/translation/address/configd syntax1.cli\";\t\t\t\t
\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Translated IP address or range\";\t\t\t\t\t}\t\t\t\t\tleaf port
{\t\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/translation/port/configd_syntax1.cli\";\t\t\t\t\
t\t\t}\t\t\t\t\t\tconfigd:help \"Translated port\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\tleaf protocol
{\t\t\t\t\tttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/protocol/configd syntax1.cli\";\t\t\t\t\t\tcon
figd:syntax
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/protocol/configd_syntax2.cli\";\t\t\t\t\t\t}\t\t
\t\t\t\tconfigd:help \"Protocol to NAT\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/nat/destination/rule/protocol/configd allowed.sh\";\t\t\t\t}\t\t\t\
t}\t\t\t}\t\t}\t}}</module<module name=\"ietf-netconf\"uri=\"urn:ietf:params:xml:ns:netconf:base:1.0\"
revision=\"2011-06-01\" format=\"yang\" length=\"26738\"module ietf-netconf {  // the namespace for NETCONF
XML definitions is unchanged  // from RFC 4741, which this document replaces  namespace
\"urn:ietf:params:xml:ns:netconf:base:1.0\";  prefix nc;  import ietf-inet-types {    prefix inet;  }
organization    \"IETF NETCONF (Network Configuration) Working Group\";  contact    \"WG Web:
<http://tools.ietf.org/wg/netconf/>   WG List: <netconf@ietf.org>    WG Chair: Bert Wijnen
<bertietf@bwijnen.net>    WG Chair: Mehmet Ersue      <mehmet.ersue@nsn.com>    Editor:   Martin
Bjorklund         <mbj@tail-f.com>    Editor:   Juergen Schoenwaelder
<j.schoenwaelder@jacobs-university.de>    Editor:   Andy Bierman          <andy.bierman@brocade.com>\";
description   \"NETCONF Protocol Data Types and Protocol Operations.   Copyright (c) 2011 IETF Trust and
the persons identified as    the document authors. All rights reserved.    Redistribution and use in
source and binary forms, with or    without modification, is permitted pursuant to, and subject    to the
license terms contained in, the Simplified BSD License    set forth in Section 4.c of the IETF Trust's Legal
Provisions   Relating to IETF Documents    (http://trustee.ietf.org/license-info).   This version of
this YANG module is part of RFC 6241; see    the RFC itself for full legal notices.\";  revision 2011-06-01
{    description      \"Initial revision\";    reference      \"RFC 6241: Network Configuration Protocol\";
}  extension get-filter-element-attributes {    description       \"If this extension is present within an
'anyxml'     statement named 'filter', which must be conceptually    defined within the RPC input
section for the <get>     and <get-config> protocol operations, then the       following unqualified XML
attribute is supported       within the <filter> element, within a <get> or       <get-config> protocol
operation:       type : optional attribute with allowed             value strings 'subtree' and 'xpath'.
If missing, the default value is 'subtree'.       If the 'xpath' feature is supported, then the
following unqualified XML attribute is     also supported:          select: optional attribute containing a
string representing an XPath expression.                The 'type' attribute must be equal to 'xpath'
if this attribute is present.\";  }  // NETCONF capabilities defined as features  feature writable-running {
description      \"NETCONF :writable-running capability;      If the server advertises the :writable-running
capability for a session, then this feature must     also be enabled for that session. Otherwise,
this feature must not be enabled.\";    reference \"RFC 6241, Section 8.2\";  }  feature candidate {
description      \"NETCONF :candidate capability;      If the server advertises the :candidate
capability for a session, then this feature must     also be enabled for that session. Otherwise,
this feature must not be enabled.\";    reference \"RFC 6241, Section 8.3\";  }  feature confirmed-commit {
if-feature candidate;    description      \"NETCONF :confirmed-commit:1.1 capability;      If the server
advertises the :confirmed-commit:1.1    capability for a session, then this feature must      also be
enabled for that session. Otherwise,      this feature must not be enabled.\";    reference \"RFC 6241,
Section 8.4\";  }  feature rollback-on-error {    description       \"NETCONF :rollback-on-error capability;
If the server advertises the :rollback-on-error    capability for a session, then this feature must
also be enabled for that session. Otherwise,      this feature must not be enabled.\";    reference \"RFC
6241, Section 8.5\";  }  feature validate {    description       \"NETCONF :validate:1.1 capability;      If
the server advertises the :validate:1.1    capability for a session, then this feature must      also be
enabled for that session. Otherwise,      this feature must not be enabled.\";    reference \"RFC 6241,
Section 8.6\";  }  feature startup {    description       \"NETCONF :startup capability;      If the server
advertises the :startup    capability for a session, then this feature must     also be enabled for that
session. Otherwise,      this feature must not be enabled.\";    reference \"RFC 6241, Section 8.7\";  }
feature url {    description       \"NETCONF :url capability;      If the server advertises the :url
capability for a session, then this feature must     also be enabled for that session. Otherwise,
this feature must not be enabled.\";    reference \"RFC 6241, Section 8.8\";  }  feature xpath {
description       \"NETCONF :xpath capability;      If the server advertises the :xpath       capability for
a session, then this feature must      also be enabled for that session. Otherwise,      this feature must
```

not be enabled.\";   reference \"RFC 6241, Section 8.9\"; } // NETCONF Simple Types typedef session-id-type {   type uint32 {   range \"1..max\";   }   description   \"NETCONF Session Id\"; } typedef session-id-or-zero-type {   type uint32;   description   \"NETCONF Session Id or Zero to indicate none\"; } typedef error-tag-type {   type enumeration {   enum in-use {   description \"The request requires a resource that   already is in use.\";   }   enum invalid-value {   description   \"The request specifies an unacceptable value for one   or more parameters.\";   }   enum too-big {   description   \"The request or response (that would be generated) is too large for the implementation to handle.\";   }   enum missing-attribute {   description \"An expected attribute is missing.\";   }   enum bad-attribute {   description   \"An attribute value is not correct; e.g., wrong type,   out of range, pattern mismatch.\";   }   enum unknown-attribute {   description   \"An unexpected attribute is present.\";   }   enum missing-element {   description   \"An expected element is missing.\";   }   enum bad-element {   description   \"An element value is not correct; e.g., wrong type,   out of range, pattern mismatch.\";   }   enum unknown-element {   description   \"An unexpected element is present.\";   }   enum unknown-namespace {   description   \"An unexpected namespace is present.\";   }   enum access-denied {   description   \"Access to the requested protocol operation or   data model is denied because authorization failed.\";   }   enum lock-denied {   description   \"Access to the requested lock is denied because the lock is currently held by another entity.\";   }   enum resource-denied {   description   \"Request could not be completed because of   insufficient resources.\";   }   enum rollback-failed {   description   \"Request to roll back some configuration change (via rollback-on-error or <discard-changes> operations)   was not completed for some reason.\";   }   enum data-exists {   description   \"Request could not be completed because the relevant data model content already exists. For example,   a 'create' operation was attempted on data that already exists.\";   }   enum data-missing {   description   \"Request could not be completed because the relevant   data model content does not exist. For example,   a 'delete' operation was attempted on   data that does not exist.\";   }   enum operation-not-supported {   description   \"Request could not be completed because the requested operation is not supported by this implementation.\";   }   enum operation-failed {   description   \"Request could not be completed because the requested   operation failed for some reason not covered by   any other error condition.\";   }   enum partial-operation {   description   \"This error-tag is obsolete, and SHOULD NOT be sent   by servers conforming to this document.\";   }   enum malformed-message {   description   \"A message could not be handled because it failed to   be parsed correctly. For example, the message is not well-formed XML or it uses an invalid character set.\";   }   }   description \"NETCONF Error Tag\";   reference \"RFC 6241, Appendix A\"; } typedef error-severity-type {   type enumeration {   enum error {   description \"Error severity\";   }   enum warning {   description \"Warning severity\";   }   }   description \"NETCONF Error Severity\";   reference \"RFC 6241, Section 4.3\"; } typedef edit-operation-type {   type enumeration {   enum merge {   description   \"The configuration data identified by the   element containing this attribute is merged   with the configuration at the corresponding   level in the configuration datastore identified   by the target parameter.\";   }   enum replace {   description   \"The configuration data identified by the element   containing this attribute replaces any related   configuration in the configuration datastore   identified by the target parameter. If no such   configuration data exists in the configuration   datastore, it is created. Unlike a   <copy-config> operation, which replaces the   entire target configuration, only the configuration   actually present in the config parameter is affected.\";   }   enum create {   description \"The configuration data identified by the element   containing this attribute is added to the   configuration if and only if the configuration   data does not already exist in the configuration datastore. If the configuration data exists, an   <rpc-error> element is returned with an <error-tag> value of 'data-exists'.\";   }   enum delete {   description   \"The configuration data identified by the element   containing this attribute is deleted from the configuration if and only if the configuration   data currently exists in the configuration datastore. If the configuration data does not   exist, an <rpc-error> element is returned with an <error-tag> value of 'data-missing'.\";   }   enum remove {   description   \"The configuration data identified by the element   containing this attribute is deleted from the configuration if the configuration   data currently exists in the configuration   datastore. If the configuration data does not   exist, the 'remove' operation is silently ignored   by the server.\";   }   }   default \"merge\";   description \"NETCONF 'operation' attribute values\";   reference \"RFC 6241, Section 7.2\"; } // NETCONF Standard Protocol Operations rpc get-config {   description   \"Retrieve all or part of a specified configuration.\";   reference \"RFC 6241, Section 7.1\";   input {   container source {   description   \"Particular configuration to retrieve.\";   choice config-source {   mandatory true;   description   \"The configuration to retrieve.\";   leaf candidate {   if-feature candidate;   type empty;   description   \"The candidate configuration is the config source.\";   }   leaf running {   type empty;   description   \"The running configuration is the config source.\";   }   leaf startup {   if-feature startup;   type empty;   description   \"The startup configuration is the config source.   This is optional-to-implement on the server because   not all servers will support filtering for this datastore.\";   }   }   }   anyxml filter {   description   \"Subtree or XPath filter to use.\";   nc:get-filter-element-attributes;   }   }   output {   anyxml data {   description   \"Copy of the source datastore subset that matched   the filter criteria (if any). An empty data container   indicates that the request did not produce any results.\";   }   } } rpc edit-config {   description   \"The <edit-config> operation loads all or part of a specified configuration to the specified target configuration.\";   reference \"RFC 6241, Section 7.2\";   input {   container target {   description   \"Particular configuration to edit.\";   choice config-target {   mandatory true;   description   \"The configuration target.\";   leaf candidate {   if-feature candidate;   type empty;   description \"The candidate configuration is the config target.\";   }   leaf running {   if-feature writable-running;   type empty;   description   \"The running configuration is the config source.\";   }   }   }   leaf default-operation {   type enumeration {   enum merge {   description   \"The default operation is merge.\";   }   enum replace {   description   \"The default operation is replace.\";   }   enum none {   description   \"There is no default operation.\";   }

```
}        default \"merge\";        description               \"The default operation to use.\";       }       leaf
test-option {        if-feature validate;       type enumeration {        enum test-then-set {
description              \"The server will test and then set if no errors.\";         }          enum set {
description              \"The server will set without a test first.\";         }           enum test-only {
description              \"The server will only test and not set, even          if there are no
errors.\";         }         }        default \"test-then-set\";       description             \"The test
option to use.\";     }       leaf error-option {        type enumeration {        enum stop-on-error {
description              \"The server will stop on errors.\";         }          enum continue-on-error {
description              \"The server may continue on errors.\";         }          enum rollback-on-error {
description              \"The server will roll back on errors.        This value can only be used if
the 'rollback-on-error'             feature is supported.\";         }        }        default \"stop-on-
error\";        description             \"The error option to use.\";     }       choice edit-content {
mandatory true;        description             \"The content for the edit operation.\";        anyxml config {
description          \"Inline Config content.\";       }       leaf url {        if-feature url;
type inet:uri;        description            \"URL-based config content.\";       }       }      }    }    rpc
copy-config {    description      \"Create or replace an entire configuration datastore with the
contents of another complete configuration datastore.\";    reference \"RFC 6241, Section 7.3\";    input {
container target {        description             \"Particular configuration to copy to.\";        choice
config-target {        mandatory true;        description             \"The configuration target of the
copy operation.\";        leaf candidate {        if-feature candidate;        type empty;
description             \"The candidate configuration is the config target.\";       }         leaf
running {        if-feature writable-running;        type empty;        description
\"The running configuration is the config target.            This is optional-to-implement on the
server.\";         }        leaf startup {        if-feature startup;        type empty;
description             \"The startup configuration is the config target.\";       }         leaf url {
if-feature url;        type inet:uri;        description             \"The URL-based configuration
is the config target.\";         }        }        }        container source {        description
\"Particular configuration to copy from.\";        choice config-source {        mandatory true;
description          \"The configuration source for the copy operation.\";        leaf candidate {
if-feature candidate;        type empty;        description             \"The candidate
configuration is the config source.\";        }        leaf running {        type empty;
description             \"The running configuration is the config source.\";        }        leaf
startup {        if-feature startup;        type empty;        description             \"The
startup configuration is the config source.\";        }        leaf url {        if-feature url;
type inet:uri;        description             \"The URL-based configuration is the config source.\";
}        anyxml config {        description             \"Inline Config content: <config> element.
Represents          an entire configuration datastore, not           a subset of the running
datastore.\";        }        }        }      }    }    rpc delete-config {    description      \"Delete a
configuration datastore.\";    reference \"RFC 6241, Section 7.4\";    input {     container target {
description          \"Particular configuration to delete.\";        choice config-target {
mandatory true;        description             \"The configuration target to delete.\";        leaf
startup {        if-feature startup;        type empty;        description             \"The
startup configuration is the config target.\";       }        leaf url {        if-feature url;
type inet:uri;        description             \"The URL-based configuration is the config target.\";
}        }        }      }    }    rpc lock {    description      \"The lock operation allows the client to lock the
configuration       system of a device.\";    reference \"RFC 6241, Section 7.5\";    input {        container
target {        description             \"Particular configuration to lock.\";        choice config-target {
mandatory true;        description             \"The configuration target to lock.\";        leaf
candidate {        if-feature candidate;        type empty;        description             \"The
candidate configuration is the config target.\";       }        leaf running {        type empty;
description             \"The running configuration is the config target.\";       }        leaf
startup {        if-feature startup;        type empty;        description             \"The
startup configuration is the config target.\";        }        }        }      }    }    rpc unlock {
description      \"The unlock operation is used to release a configuration lock,        previously obtained
with the 'lock' operation.\";    reference \"RFC 6241, Section 7.6\";    input {        container target {
description          \"Particular configuration to unlock.\";        choice config-target {
mandatory true;        description             \"The configuration target to unlock.\";        leaf
candidate {        if-feature candidate;        type empty;        description             \"The
candidate configuration is the config target.\";       }        leaf running {        type empty;
description             \"The running configuration is the config target.\";        }        leaf
startup {        if-feature startup;        type empty;        description             \"The
startup configuration is the config target.\";        }        }        }      }    }    rpc get {    description
\"Retrieve running configuration and device state information.\";    reference \"RFC 6241, Section 7.7\";
input {        anyxml filter {        description             \"This parameter specifies the portion of the system
configuration and state data to retrieve.\";        nc:get-filter-element-attributes;       }      }    output {
anyxml data {        description             \"Copy of the running datastore subset and/or state        data
that matched the filter criteria (if any).        An empty data container indicates that the request did
not        produce any results.\";      }      }    }    rpc close-session {    description      \"Request
graceful termination of a NETCONF session.\";    reference \"RFC 6241, Section 7.8\";    }    rpc kill-session {
description      \"Force the termination of a NETCONF session.\";    reference \"RFC 6241, Section 7.9\";
input {      leaf session-id {        type session-id-type;        mandatory true;        description
\"Particular session to kill.\";       }      }    }    rpc commit {    if-feature candidate;    description
\"Commit the candidate configuration as the device's new        current configuration.\";    reference \"RFC
6241, Section 8.3.4.1\";    input {      leaf confirmed {        if-feature confirmed-commit;        type
empty;        description          \"Requests a confirmed commit.\";        reference \"RFC 6241, Section
8.3.4.1\";      }      leaf confirm-timeout {        if-feature confirmed-commit;        type uint32 {
range \"1..max\";        }        units \"seconds\";        default \"600\";    // 10 minutes
description          \"The timeout interval for a confirmed commit.\";        reference \"RFC 6241, Section
8.3.4.1\";      }      leaf persist {        if-feature confirmed-commit;        type string;
description          \"This parameter is used to make a confirmed commit        persistent. A persistent
confirmed commit is not aborted        if the NETCONF session terminates.  The only way to abort
a persistent confirmed commit is to let the timer expire,        or to use the <cancel-commit> operation.
The value of this parameter is a token that must be given        in the 'persist-id' parameter of <commit>
or        <cancel-commit> operations in order to confirm or cancel        the persistent confirmed
```

125

commit.   The token should be a random string.\";   reference \"RFC 6241, Section 8.3.4.1\";
}   leaf persist-id {   if-feature confirmed-commit;   type string;   description
\"This parameter is given in order to commit a persistent   confirmed commit. The value must be
equal to the value   given in the 'persist' parameter to the <commit> operation.   If it does
not match, the operation fails with an   'invalid-value' error.\";   reference \"RFC 6241,
Section 8.3.4.1\";   }   } } rpc discard-changes {   if-feature candidate;   description
\"Revert the candidate configuration to the current   running configuration.\";   reference \"RFC 6241,
Section 8.3.4.2\"; } rpc cancel-commit {   if-feature confirmed-commit;   description   \"This
operation is used to cancel an ongoing confirmed commit.   If the confirmed commit is persistent, the
parameter   'persist-id' must be given, and it must match the value of the   'persist' parameter.\";
reference \"RFC 6241, Section 8.4.4.1\";   input {   leaf persist-id {   type string;
description   \"This parameter is given in order to cancel a persistent   confirmed commit.
The value must be equal to the value   given in the 'persist' parameter to the <commit> operation.
If it does not match, the operation fails with an   'invalid-value' error.\";   }   } } rpc
validate {   if-feature validate;   description   \"Validates the contents of the specified
configuration.\";   reference \"RFC 6241, Section 8.6.4.1\";   input {   container source {
description   \"Particular configuration to validate.\";   choice config-source {
mandatory true;   description   \"The configuration source to validate.\";   leaf
candidate {   if-feature candidate;   type empty;   description   \"The
candidate configuration is the config source.\";   }   leaf running {   type empty;
description   \"The running configuration is the config source.\";   }   leaf
startup {   if-feature startup;   type empty;   description   \"The
startup configuration is the config source.\";   }   leaf url {   if-feature url;
type inet:uri;   description   \"The URL-based configuration is the config source.\";
}   anyxml config {   description   \"Inline Config content: <config> element.
Represents   an entire configuration datastore, not   a subset of the running
datastore.\";   }   }   }   } }}</module><module name=\"vyatta-npf-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-npf:1\" revision=\"2016-03-28\" format=\"yang\" length=\"10793\"module
vyatta-npf-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-npf:1\";\tprefix vyatta-npf-v1;\timport configd-v1
{\t\tprefix configd;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-fw-types-v1 {\t\tprefix
fw-types;\t}\timport vyatta-dscp-v1 {\t\tprefix dscp;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose,
CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-
2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t YANG module and scripts for groups
used by firewall-related Vyatta   YANG files\";\trevision 2016-03-28 {\t\tdescription \"Remove use of
bash in action scripts\";\t}\trevision 2015-10-15 {\t\tdescription \"Initial revision.\";\t}\ttypedef
bandwidth-suffix {\t\ttype string {   /* Number followed by suffix */\t\tpattern '((10|([0-9](\\.([0-
9]+))?))[gG][iI]?(bit|bps)?)|'\t\t\t+ '([0-9]+(\\.([0-
9]+))?([KMBkm][iI]?)?(bit|bps))?)';\t\t\tconfigd:pattern-help \"<<number><suffix>>   Suffixes are either
'bit' for bits-per-second or 'bps' for bytes-per-second.   These can be preceded by a decimal (K,M,G) or
binary (Ki,Mi,Gi)   multiplier. No suffix implies Kbit (1000 bits per second).\";\t}\t}\ttypedef burst-size
{\t\ttype uint32 {\t\t\t/* Arbitrary maximum: 312500000 is 100ms at 25 Mbits/sec */\t\t\trange
1..312500000;\t\t\t}\t\tdescription \"Burst size in bytes\";\t\tconfigd:help \"Burst size in
bytes\";\t}\tgrouping burst {\t\tleaf burst {\t\t\ttype burst-size;\t\t\tdescription \"Burst size in
bytes\";\t\t\tconfigd:help \"Burst size in bytes\";\t\t}\t}\ttypedef ratelimit-suffix {\t\ttype string {   /*
Number followed by suffix */\t\t\tpattern '[1-9][0-9]*(\\.([0-9]+))?([KMkm]?pps)?';\t\t\tconfigd:pattern-help
\"<number><suffix>   Suffixes can be one of pps, (K|k)pps or (M|m)pps for a multiplier.\";\t\t\tconfigd:help
\"Rate-limit in packets/second\";\t\t\tconfigd:syntax \"rate-check.pl $VAR(@)\";\t\t}\t}\tgrouping marking
{\t\tcontainer mark {\t\t\tdescription \"Packet marking action\";\t\t\tconfigd:help \"Packet marking
action\";\t\t\tleaf dscp {\t\t\t\ttype dscp:dscp-name-or-value;\t\t\t\tdescription \"DSCP value to be
marked\";\t\t\t\tconfigd:help \"DSCP value to be marked\";\t\t\t}\t\t\tleaf pcp {\t\t\t\ttype uint8
{\t\t\t\t\trange 0..7;\t\t\t\t}\t\t\t\tdescription \"802.1 priority code point to
apply\";\t\t\t\tconfigd:help \"802.1 priority code point to apply\";\t\t\t}\t\t}\t}\tgrouping policing
{\t\tcontainer police {\t\t\tmust \"bandwidth or ratelimit\" {\t\t\t\terror-message \"One of 'bandwidth' or
'ratelimit' (not both) must be set\";\t\t\t}\t\t\tdescription \"Packet rate limiting\";\t\t\tconfigd:help
\"Packet rate limiting\";\t\t\tleaf bandwidth {\t\t\t\tmust \"not(../ratelimit)\" {\t\t\t\t\terror-message
\"Both 'bandwidth' and 'ratelimit' cannot be set\";\t\t\t\t}\t\t\t\ttype bandwidth-suffix;\t\t\t\tdescription
\"Bandwidth limit\";\t\t\t\tconfigd:help \"Bandwidth limit\";\t\t\t}\t\t\tleaf ratelimit {\t\t\t\t/// This
cannot be set if bandwidth is set -\t\t\t\t/// the check is done on the bandwidth node.\t\t\t\ttype ratelimit-
suffix;\t\t\t\tdescription \"Ratelimit in packets/second.\";\t\t\t\tconfigd:help \"Ratelimit in
packets/second.\";\t\t\t}\t\t\tuses burst;\t\t\tcontainer then {\t\t\t\tdescription \"Result for packets over
police limit\";\t\t\t\tconfigd:help \"Result for packets over police limit\";\t\t\t\tleaf action
{\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"drop\" {\t\t\t\t\t\t\tdescription \"Drop if
overlimit\";\t\t\t\t\t\t\tconfigd:help \"Drop if overlimit\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdescription
\"Police action\";\t\t\t\t\tconfigd:help \"Police action\";\t\t\t\t}\t\t\t}\t\t\tuses
marking;\t\t\t}\t\t}\t}\tgrouping ethertype {\t\tleaf ethertype {\t\t\ttype string {\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/security/firewall/ethertype/ethertype/configd_syntax.cli\";\t\t\t}\t\t\tdescr
iption \"Ethertype to match (name or hex or decimal)\";\t\t\tconfigd:help \"Ethertype to match (name or hex
or decimal)\";\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/security/firewall/ethertype/ethertype/configd allowed.sh\";\t\t}\t}\tgrouping
fragment {\t\tleaf fragment {\t\t\ttype empty;\t\t\tdescription \"Match on fragmented
packets\";\t\t\tconfigd:help \"Match on fragmented packets\";\t\t}\t}\tgrouping rule-icmp-numeric {\t\tlist
type {\t\t\tdescription \"Choose a type (and optional code) by number\";\t\t\tconfigd:help \"Choose a type
(and optional code) by number\";\t\t\tkey type-number;\t\t\tleaf type-number {\t\t\t\ttype fw-types:icmp-
type-number;\t\t\t\tdescription \"ICMP type value\";\t\t\t\tconfigd:help \"ICMP type
value\";\t\t\t}\t\t\tmax-elements 1;\t\t\tleaf code {\t\t\t\ttype fw-types:icmp-code-
number;\t\t\t\tdescription \"ICMP code value\";\t\t\t\tconfigd:help \"ICMP code
value\";\t\t\t}\t\t}\t}\tgrouping rule-icmpv4 {\t\tcontainer icmp {\t\t\tmust \"not(../protocol) or
(../protocol = 'icmp') or (../protocol = 1)\" {\t\t\t\terror-message \"'icmp' options can only be used if
protocol is ICMP or not set\";\t\t\t}\t\t\tmust \"not(../tcp) and not(../ipv6-route) and not(../icmpv6)\"
{\t\t\t\terror-message \"Options 'tcp', 'icmp', 'icmpv6' and 'ipv6-route' are mutually
exclusive\";\t\t\t}\t\t\tdescription \"ICMP for IPv4\";\t\t\tconfigd:help \"ICMP for IPv4\";\t\t\tleaf name
{\t\t\t\ttype fw-types:icmpv4-symbolic;\t\t\t\tdescription \"Choose a type (and optional code) by
name\";\t\t\t\tconfigd:help \"Choose a type (and optional code) by name\";\t\t\t}\t\t\tuses rule-icmp-

numeric;\t\t\tleaf group {\t\t\t\ttype fw-types:group-name;\t\t\t\tconfigd:pattern-help \"<icmp-group name>\";\t\t\t\tconfigd:help \"Defined IPv4 ICMP group\";\t\t\t\tconfigd:allowed \"echo $VAR(/resources/group/icmp-group/@@)\";\t\t\t}\t\t}\t}\tgrouping rule-icmpv6 {\t\tcontainer icmpv6 {\t\t\tmust \"not(../protocol) or (../protocol = 'ipv6-icmp') or (../protocol = 58)\" {\t\t\t\terror-message \"'icmpv6' options can only be used if protocol is ICMPv6 or not set\";\t\t\t}\t\t\tmust \"not(../tcp) and not(../ipv6-route) and not(../icmp)\" {\t\t\t\terror-message \"Options 'tcp', 'icmp', 'icmpv6' and 'ipv6-route' are mutually exclusive\";\t\t\t}\t\t\tdescription \"ICMP for IPv6\";\t\t\tconfigd:help \"ICMP for IPv6\";\t\t\tleaf name {\t\t\t\ttype fw-types:icmpv6-symbolic;\t\t\t\tdescription \"Choose a type (and optional code) by name\";\t\t\t\tconfigd:help \"Choose a type (and optional code) by name\";\t\t\t}\t\t\tuses rule-icmp-numeric;\t\t\tleaf group {\t\t\t\ttype fw-types:group-name;\t\t\t\tconfigd:pattern-help \"<icmpv6-group name>\";\t\t\t\tconfigd:help \"Defined IPv6 ICMP group\";\t\t\t\tconfigd:allowed \"echo $VAR(/resources/group/icmpv6-group/@@)\";\t\t\t}\t\t}\t}\tgrouping action-fw-pbr {\t\tleaf action {\t\t\ttype enumeration {\t\t\t\tenum \"accept\" {\t\t\t\t\tdescription \"Accept packets matching this rule\";\t\t\t\t\tconfigd:help \"Accept packets matching this rule\";\t\t\t\t}\t\t\t\tenum \"drop\" {\t\t\t\t\tdescription \"Drop packets matching this rule\";\t\t\t\t\tconfigd:help \"Drop packets matching this rule\";\t\t\t\t}\t\t\t}\t\t\tmandatory true;\t\t\tdescription \"Rule action\";\t\t\tconfigd:help \"Rule action\";\t\t}\t}\tgrouping rule-common {\t\tuses rule-icmpv4;\t\tuses rule-icmpv6;\t\tleaf description {\t\t\ttype string;\t\t\tdescription \"Rule description\";\t\t\tconfigd:help \"Rule description\";\t\t}\t\tleaf disable {\t\t\ttype empty;\t\t\tdescription \"Disable rule\";\t\t\tconfigd:help \"Disable rule\";\t\t}\t\tleaf protocol {\t\t\ttype string {\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/security/firewall/rule-common/protocol/configd syntax.cli\";\t\t\t}\t\t\tdescription \"Protocol to match (name or number)\";\t\t\tconfigd:help \"Protocol to match (name or number)\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/security/firewall/rule-common/protocol/configd allowed.sh\";\t\t}\t\tcontainer source {\t\t\tdescription \"Source parameters\";\t\t\tconfigd:help \"Source parameters\";\t\t\tleaf mac-address {\t\t\t\ttype types:mac-address;\t\t\t\tdescription \"Source MAC address\";\t\t\t\tconfigd:help \"Source MAC address\";\t\t\t}\t\t\tleaf address {\t\t\t\ttype fw-types:fw-address;\t\t\t\tdescription \"Source IP address, subnet, or address-group\";\t\t\t\tconfigd:help \"Source IP address, subnet, or address-group\";\t\t\t\tconfigd:allowed \"echo $VAR(/resources/group/address-group/@@)\";\t\t\t}\t\t\tleaf port {\t\t\t\ttype fw-types:fw-port;\t\t\t\tdescription \"Source port or port-group\";\t\t\t\tconfigd:help \"Source port or port-group\";\t\t\t\tconfigd:allowed \"echo $VAR(/resources/group/port-group/@@)\";\t\t\t\tmust\t\"(../../protocol = 'tcp') or (../../protocol = 6) or ../../tcp or \" +\t\t\t\t\"(../../protocol = 'udp') or (../../protocol = 17)\"\t\t\t{\t\t\t\t\terror-message \"A port can only be specified when the protocol is TCP or UDP\";\t\t\t\t}\t\t\t}\t\t}\t\tcontainer destination {\t\t\tdescription \"Destination parameters\";\t\t\tconfigd:help \"Destination parameters\";\t\t\tleaf mac-address {\t\t\t\ttype types:mac-address;\t\t\t\tdescription \"Destination MAC address\";\t\t\t\tconfigd:help \"Destination MAC address\";\t\t\t}\t\t\tleaf address {\t\t\t\ttype fw-types:fw-address;\t\t\t\tdescription \"Destination IP address, subnet, or address-group\";\t\t\t\tconfigd:help \"Destination IP address, subnet, or address-group\";\t\t\t\tconfigd:allowed \"echo $VAR(/resources/group/address-group/@@)\";\t\t\t}\t\t\tleaf port {\t\t\t\ttype fw-types:fw-port;\t\t\t\tdescription \"Destination port or port-group\";\t\t\t\tconfigd:help \"Destination port or port-group\";\t\t\t\tconfigd:allowed \"echo $VAR(/resources/group/port-group/@@)\";\t\t\t\tmust\t\"(../../protocol = 'tcp') or (../../protocol = 6) or ../../tcp or \" +\t\t\t\t\"(../../protocol = 'udp') or (../../protocol = 17)\" {\t\t\t\t\terror-message \"A port can only be specified when the protocol is TCP or UDP\";\t\t\t\t}\t\t\t}\t\t}\t\tcontainer tcp {\t\t\tmust \"not(../protocol) or (../protocol = 'tcp') or (../protocol = 6)\" {\t\t\t\terror-message \"'tcp' options can only be used if protocol is TCP or not set\";\t\t\t}\t\t\tmust \"not(../icmp) and not(../icmpv6) and not(../ipv6-route)\" {\t\t\t\terror-message \"Options 'tcp', 'icmp', 'icmpv6' and 'ipv6-route' are mutually exclusive\";\t\t\t}\t\t\tdescription \"TCP parameters\";\t\t\tconfigd:help \"TCP parameters\";\t\t\tleaf flags {\t\t\t\ttype fw-types:tcp-flags;\t\t\t\tconfigd:help \"Match TCP flags\";\t\t\t}\t\t}\t\tcontainer ipv6-route {\t\t\tmust \"not(../protocol) or (../protocol = 'ipv6-route') or (../protocol = 43)\" {\t\t\t\terror-message \"'ipv6-route' options can only be used if protocol is IPv6-ROUTE or not set\";\t\t\t}\t\t\tmust \"not(../icmp) and not(../icmpv6) and not(../tcp)\" {\t\t\t\terror-message \"Options 'tcp', 'icmp', 'icmpv6' and 'ipv6-route' are mutually exclusive\";\t\t\t}\t\t\tdescription \"IPv6 route\";\t\t\tconfigd:help \"IPv6 route\";\t\t\tleaf type {\t\t\t\ttype uint8 {\t\t\t\t\trange 0..255;\t\t\t\t}\t\t\t\tdescription \"IPv6 route type\";\t\t\t\tconfigd:help \"IPv6 route type\";\t\t\t}\t\t}\t\tleaf dscp {\t\t\ttype dscp:dscp-name-or-value;\t\t\tdescription \"DSCP value to match in an incoming IP header\";\t\t\tconfigd:help \"DSCP value to match in an incoming IP header\";\t\t}\t\tleaf pcp {\t\t\ttype uint8 {\t\t\t\trange 0..7;\t\t\t}\t\t\tdescription \"802.1 priority code point to match (0 to 7)\";\t\t\tconfigd:help \"802.1 priority code point to match (0 to 7)\";\t\t}\t\tleaf log {\t\t\ttype empty;\t\t\tdescription \"Enable logging for rule\";\t\t\tconfigd:help \"Enable logging for rule\";\t\t}\t}}</module<module name=\"vyatta-protocols-rib-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-rib:1\" revision=\"2016-06-14\" format=\"yang\" length=\"3822\"module vyatta-protocols-rib-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-rib:1\";\tprefix vyatta-protocols-rib-v1;\timport vyatta-protocols-v1 {\tprefix protocols;\t}\timport configd-v1 {\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t The YANG module package for vyatta-protocols-rib-v1\";\trevision 2016-06-14 {\t\tdescription \"Updating kernel nsm log delete script.\";\t}\trevision 2016-05-02 {\t\tdescription \"Grouping packet events and all options\";\t}\trevision 2015-08-06 {\t\tdescription \"Initial revision of version 1\";\t}\tgrouping log-events {\t\tleaf events {\t\t\ttype empty;\t\t\tconfigd:help \"Enable RIB events logs\";\t\t\tdescription \"Enable RIB events logs\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rib/log/configd_create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rib/log/configd delete.sh\";\t\t}\t}\tgrouping log-all {\t\tleaf all {\t\t\ttype empty;\t\t\tconfigd:help \"Enable all RIB logs\";\t\t\tdescription \"Enable all RIB logs\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rib/log/configd_create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rib/log/configd_delete.sh\";\t\t}\t}\tgrouping log-packet {\t\tcontainer packet {\t\t\tconfigd:help \"RIB packet logs\";\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIB packet all logs\";\t\t\t\tdescription \"Enable RIB packet all logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rib/log/packet/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rib/log/packet/configd_delete.sh\";\t\t\t}\t\t\tleaf detail

{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIB packet detail logs\";\t\t\t\tdescription \"Enable RIB packet detail logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rib/log/packet/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rib/log/packet/configd delete.sh\";\t\t\t}\t\t\tleaf send {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIB packet send logs\";\t\t\t\tdescription \"Enable RIB packet send logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rib/log/packet/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rib/log/packet/configd delete.sh\";\t\t\t}\t\t\tleaf recv {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RIB packet recv logs\";\t\t\t\tdescription \"Enable RIB packet recv logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rib/log/packet/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rib/log/packet/configd_delete.sh\";\t\t\t}\t\t}\t}\taugment /protocols:protocols {\t\tcontainer rib {\t\t\tconfigd:priority \"650\";\t\t\tconfigd:help \"Routing Information Base (RIB) parameters\";\t\t\tdescription \"Routing Information Base (RIB) parameters\";\t\t\tcontainer log {\t\t\t\tconfigd:help \"RIB logging parameters\";\t\t\t\tdescription \"RIB logging parameters\";\t\t\t\tuses log-all;\t\t\t\tuses log-events;\t\t\t\tleaf nsm {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable RIB nsm logs\";\t\t\t\t\tdescription \"Enable RIB nsm logs\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rib/log/configd_create.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rib/log/configd delete.sh\";\t\t\t}\t\t\t\tleaf kernel {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable RIB kernel logs\";\t\t\t\t\tdescription \"Enable RIB kernel logs\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/rib/log/configd_create.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/rib/log/configd_delete.sh\";\t\t\t}\t\t\t\tuses log-packet;\t\t\t}\t\t\t\t}\t}}</module<module name=\"vyatta-protocols-interface-validation-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-interface-validation:1\" revision=\"2016-07-21\" format=\"yang\" length=\"3169\"module vyatta-protocols-interface-validation-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-interface-validation:1\";\tprefix vyatta-protocols-interface-validation-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t\t The YANG module package for vyatta-protocols-interface-validation-v1\";\t\trevision 2016-07-21 {\t\tdescription \"Removing peer-address grouping that was used by BGP,\t\t\tMove mpls interface out of common file,\t\t\tRemove RIP/RIPng specific groupings as the interface names\t\t\tused in RIP/RIPng no longer need to be validated against existing\t\t\tinterfaces,\t\t\tRenaming of passive-interface and passive-interface-exclude \t\t\tgrouping of OSPF to IGP,\t\t\tAdd mpls interface support\";\t}\t\trevision 2016-01-21 {\t\tdescription \"Initial revision of version 1\";\t}\tgrouping interface-common {\t\tleaf interface {\t\t\ttype string;\t\t\tmust \"(current() = /if:interfaces/*/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')] \"\t\t\t\t+ \"or /if:interfaces/*/*[local-name(.) = 'vif'][./../* = substring-before(current(), '.')]\"\t\t\t\t+ \"/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')][. = substring-after(current(), '.')])\" {\t\t\t\terror-message \"Interface name must refer to an existing interface name\";\t\t\t}\t\t}\t}\tgrouping igp-passive-interface {\t\tleaf-list passive-interface {\t\t\ttype union {\t\t\t\ttype enumeration {\t\t\t\t\tenum \"default\";\t\t\t\t}\t\t\t\ttype string;\t\t\t}\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all --filter-out ^ers\";\t\t\tordered-by \"user\";\t\t\tmust \"not((current() = 'default') and (count(../passive-interface) > 1))\" {\t\t\t\terror-message \"Can't configure passive-interface 'default' with other interfaces\";\t\t\t}\t\t\tmust \"current() = 'default' or (current() = /if:interfaces/*/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')] \"\t\t\t\t+ \"or /if:interfaces/*/*[local-name(.) = 'vif'][./../* = substring-before(current(), '.')]\"\t\t\t\t+ \"/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')][. = substring-after(current(), '.')])\" {\t\t\t\terror-message \"Invalid interface name\";\t\t\t}\t\t}\t}\tgrouping igp-passive-interface-exclude {\t\tleaf-list passive-interface-exclude {\t\t\ttype string;\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all --filter-out ^ers\";\t\t\tordered-by \"user\";\t\t\tmust \"(../passive-interface = 'default')\" {\t\t\t\terror-message \"Can't configure passive-interface-exclude without configuring passive-interface 'default'\";\t\t\t}\t\t\tmust \"(current() = /if:interfaces/*/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')] \"\t\t\t\t+ \"or /if:interfaces/*/*[local-name(.) = 'vif'][./../* = substring-before(current(), '.')]\"\t\t\t\t+ \"/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')][. = substring-after(current(), '.')])\" {\t\t\t\terror-message \"Invalid interface name\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-interfaces-erspan-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-erspan:1\" revision=\"2015-09-09\" format=\"yang\" length=\"2763\"module vyatta-interfaces-erspan-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-erspan:1\";\tprefix vyatta-interfaces-erspan-v1;\timport vyatta-dscp-v1 {\t\tprefix dscp;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t ERSPAN interface configuration\";\trevision 2015-09-09 {\t\tdescription \"Initial revision\";\t}\taugment /if:interfaces {\t\tlist erspan {\t\t\tconfigd:priority \"381\";\t\t\tconfigd:end \"vyatta-interfaces-tunnel-erspan --erspan tunnel=$VAR(@)\";\t\t\tconfigd:help \"ERSPAN GRE interface\";\t\t\tdescription \"ERSPAN GRE interface\";\t\t\tkey \"ifname\";\t\t\tleaf ifname {\t\t\t\ttype types:interface-ifname {\t\t\t\t\tpattern 'erspan[0-9]+';\t\t\t\t\tconfigd:pattern-help \"<erspanN>\";\t\t\t\t}\t\t\t\tconfigd:help \"ERSPAN GRE interface\";\t\t\t\tdescription \"ERSPAN GRE interface\";\t\t\t}\t\t\tleaf description {\t\t\t\ttype string {\t\t\t\t\tlength \"1..256\";\t\t\t\t}\t\t\t\tconfigd:help \"ERSPAN GRE interface description\";\t\t\t\tdescription \"ERSPAN GRE interface description\";\t\t\t}\t\t\tleaf disable {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable interface\";\t\t\t\tdescription \"Disable interface\";\t\t\t}\t\t\tleaf local-ip {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"Local IP address for ERSPAN interface\";\t\t\t\tdescription \"Local IP address for ERSPAN interface\";\t\t\t\tmandatory true;\t\t\t}\t\t\tleaf mtu {\t\t\t\ttype uint16 {\t\t\t\t\trange 68..8024;\t\t\t\t}\t\t\t\tconfigd:priority \"382\";\t\t\t\tconfigd:help \"Maximum Transmission Unit (MTU)\";\t\t\t\tdefault \"1500\";\t\t\t\tdescription \"Maximum Transmission Unit (MTU)\";\t\t\t}\t\t\tleaf remote-ip {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"Remote IP address for ERSPAN interface\";\t\t\t\tdescription \"Remote IP address for ERSPAN interface\";\t\t\t\tmandatory true;\t\t\t}\t\t\tcontainer ip {\t\t\t\tconfigd:help \"IPv4 specific ERSPAN tunnel

parameters\";\t\t\t\tdescription \"IPv4 specific ERSPAN tunnel parameters\";\t\t\t\tleaf ttl {\t\t\t\t\ttype uint8;\t\t\t\t\tconfigd:help \"Time to live field\";\t\t\t\t\tdescription \"Time to live field\";\t\t\t\t\tdefault \"255\";\t\t\t\t}\t\t\t\tleaf tos {\t\t\t\t\ttype union {\t\t\t\t\t\ttype dscp:dscp-name;\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"inherit\" {\t\t\t\t\t\t\t\tconfigd:help \"Inherit from original IP header\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '0x[0-9a-fA-F]{1,2}';\t\t\t\t\t\t\tconfigd:pattern-help \"<0x00-0xFF>\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Type of Service (TOS)\";\t\t\t\t\tdescription \"Type of Service (TOS)\";\t\t\t\t\tdefault \"inherit\";\t\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-multicast-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-multicast-routing-instance:1\" revision=\"2016-04-21\" format=\"yang\" length=\"1160\"module vyatta-multicast-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-multicast-routing-instance:1\";\tprefix vyatta-multicast-routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix routing;\t}\timport vyatta-multicast-v1 {\t\tprefix multicast;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-multicast-routing-instance-v1-yang\";\trevision 2016-04-21 {\t\tdescription \"Add Routing Instance support for multicast \t\t\tAugment /routing/routing-instance/protocols\";\t}\t\taugment /routing:routing/routing:routing-instance/routing:protocols {\t\tuses multicast:multicast-parameters {\t\t\trefine multicast/ip {\t\t\t\tconfigd:end \"vyatta-multicast 4 --routing-instance $VAR(../../../@)\";\t\t\t}\t\t\trefine multicast/ipv6 {\t\t\t\tconfigd:end \"vyatta-multicast 6 --routing-instance $VAR(../../../@)\";\t\t\t}\t\t}\t}\t}}</module><module name=\"vyatta-protocols-ospfv3-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-ospfv3-routing-instance:1\" revision=\"2016-07-27\" format=\"yang\" length=\"4839\"module vyatta-protocols-ospfv3-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-ospfv3-routing-instance:1\";\tprefix vyatta-protocols-ospfv3-routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix routing-instance;\t}\timport vyatta-protocols-ospfv3-v1 {\t\tprefix ospfv3;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport vyatta-protocols-interface-validation-routing-instance-v1 {\t\tprefix if-validation-routing-inst;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for\t vyatta-protocols-ospfv3-routing-instance-v1\";\trevision 2016-07-27 {\t\tdescription \"added validation for duplicate router-id,\t\t\tAdd Routing Instance support for OSPFv3\"; \t}\taugment /routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols {\t\tcontainer ospfv3 {\t\t\tconfigd:help \"Open Shortest Path First version 3 protocol (OSPFv3) parameters\";\t\t\tlist process {\t\t\t\tdescription \"Open Shortest Path First version 3 (OSPFv3) process list\";\t\t\t\tconfigd:help \"OSPFv3 process name\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/process/configd_update.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/process/configd_delete.sh\";\t\t\t\tmax-elements \"1\";\t\t\t\tkey \"process-name\";\t\t\t\tleaf process-name {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[0-9A-Za-z][- 0-9A-Za-z]*' {\t\t\t\t\t\t\terror-message \"name must be alphanumeric (hyphen/underscore may be used inside)\";\t\t\t\t\t\t}\t\t\t\t\t\tmust \"not((current() = /protocols:protocols/ospfv3:ospfv3/ospfv3:process/ospfv3:tagnode)\"
+ \"or (count(/routing-instance:routing/routing-instance:routing-instance/routing-instance:protocols/ospfv3/process[process-name = current()]) > 1))\" {\t\t\t\t\t\t\terror-message \"Instance is already bound to another routing-instance\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tdescription \"OSPFv3 process name\";\t\t\t\tconfigd:help \"OSPFv3 process name\";\t\t\t}\t\t\tuses ospfv3:spf-timers;\t\t\tuses ospfv3:ospfv3-distribute-list;\t\t\tuses ospfv3:ospfv3-generic-parameters;\t\t\tuses ospfv3:ospfv3-redistribute;\t\t\tuses ospfv3:ospfv3-distance;\t\t\tuses ospfv3:ospfv3-abr-type;\t\t\tuses ospfv3:ospfv3-ipv6-summary-address;\t\t\tuses ospfv3:ospfv3-default-information;\t\t\tuses ospfv3:ospfv3-ipv4-address-family {\t\t\t\trefine address-family/ipv4/unicast/area/range/advertise {\t\t\t\t\tmust \"not(../not-advertise)\" {\t\t\t\t\t\terror-message \"Only one of advertise or not-advertise can be configured\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tuses ospfv3:ospfv3-area {\t\t\t\trefine area/range/advertise {\t\t\t\t\tmust \"not(../not-advertise)\" {\t\t\t\t\t\terror-message \"Only one of advertise or not-advertise can be configured\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tuses ospfv3:ospfv3-generic-parameters-1 {\t\t\t\trefine router-id {\t\t\t\t\tmust \"count(/protocols:protocols/ospfv3:ospfv3[ospfv3:router-id = current()]\"\t\t\t\t\t\t+ \"| /protocols:protocols/ospfv3:ospfv3/ospfv3:process[ospfv3:router-id = current()]\"\t\t\t\t\t\t+ \"| /routing-instance:routing/routing-instance:routing-instance:routing-instance/routing-instance:protocols/ospfv3/process[router-id = current()]) <= 1\" {\t\t\t\t\t\terror-message \"Router-id is used by another process in router\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tuses ospfv3:ospfv3-debug-parameters;\t\t\tuses if-validation-routing-inst:ospf-passive-intf-routing-inst {\t\t\t\trefine \"passive-interface\" {\t\t\t\t\tconfigd:help \"Suppress routing updates on an interface\";\t\t\t\t\tconfigd:priority \"642\";\t\t\t\t\tmust 'not(starts-with(current(), \"ers\"))' {\t\t\t\t\t\terror-message \"Can't configure passive-interface on erspan interfaces\";\t\t\t\t\t}\t\t\t\t\tconfigd:allowed \"/opt/vyatta/sbin/vyatta-interfaces.pl --show all --filter-out ^ers && echo default\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/passive-interface/configd_create.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/passive-interface/configd delete.sh\";\t\t\t\t}\t\t\t}\t\t\tuses if-validation-routing-inst:ospf-passive-intf-exclude-routing-inst {\t\t\t\trefine \"passive-interface-exclude\" {\t\t\t\t\tconfigd:help \"Excludes OSPFv3 routing update suppression on an interface\";\t\t\t\t\tconfigd:priority \"643\";\t\t\t\t\tmust 'not(starts-with(current(), \"ers\"))' {\t\t\t\t\t\terror-message \"Can't configure passive-interface-exclude on erspan interfaces\";\t\t\t\t\t}\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/passive-interface/exclude/configd create.sh\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospfv3/passive-interface/exclude/configd_delete.sh\";\t\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-service-lldp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-lldp:1\" revision=\"2015-08-06\" format=\"yang\" length=\"5553\"module vyatta-service-lldp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-lldp:1\";\tprefix vyatta-service-lldp-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger

```
Way\t\t        San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module for vyatta-service-lldp-v1\";\trevision 2015-08-06 {\t\tdescription
\"Initial revision of version 1.\";\t}\taugment /service:service {\t\tcontainer lldp {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"LLDP settings\";\t\t\tconfigd:priority \"985\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/service/lldp/config_end.sh\";\t\t\tleaf management-address {\t\t\t\ttype
types:ipv4-address;\t\t\t\tconfigd:help \"IPv4 management address\";\t\t\t}\t\t\tcontainer legacy-protocols
{\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Legacy (vendor specific) protocols\";\t\t\t\tleaf cdp
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Listen for CDP for Cisco
routers/switches\";\t\t\t\t}\t\t\t\tleaf fdp {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Listen for FDP
for Foundry routers/switches\";\t\t\t\t}\t\t\t\tleaf edp {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help
\"Listen for EDP for Extreme routers/switches\";\t\t\t\t}\t\t\t\tleaf sonmp {\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Listen for SONMP for Nortel routers/switches\";\t\t\t\t}\t\t\t}\t\t\tlist
interface {\t\t\t\tconfigd:help \"Location data for interface\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/configd_allowed.sh\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Location data for
interface\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/configd_allowed.sh\";\t\t\t\t}\t\t\t\tleaf disable
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable lldp on this interface\";\t\t\t\t}\t\t\t\tcontainer
location {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"LLDP-MED location data
[REQUIRED]\";\t\t\t\t\tleaf elin {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[0-9]{10,25}'
{\t\t\t\t\t\t\t\terror-message \"ELIN number must be between 10-25
numbers.\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"ECS ELIN
number\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/elin/configd_validate1.cli\";\t\t\t\t\t\tconf
igd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/elin/configd_validate2.cli\";\t\t\t\t\t}\t\t\
t\t\tcontainer coordinate-based {\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\tconfigd:help \"Coordinate based
location\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/coordinate-
based/configd_validate1.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/coordinate-
based/configd_validate2.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/coordinate-
based/configd_validate3.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/coordinate-
based/configd_validate4.cli\";\t\t\t\t\t\tleaf latitude {\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern
'[-\\+0-9\\.]+[nNsS]' {\t\t\t\t\t\t\t\terror-message \"Invalid
latitude.\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Latitude
[REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf datum {\t\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum
\"WGS84\";\t\t\t\t\t\t\tenum \"NAD83\";\t\t\t\t\t\t\tenum
\"MLLW\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Coordinate datum type\";\t\t\t\t\t\t\tdefault
\"WGS84\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf longitude {\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[-
\\+0-9\\.]+[eEwW]' {\t\t\t\t\t\t\t\terror-message \"Invalid
longitude.\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Longitude
[REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf altitude {\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[-
\\+0-9\\.]+' {\t\t\t\t\t\t\t\terror-message \"Invalid
altitude.\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Altitude in
meters\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tcontainer civic-based {\t\t\t\t\t\tpresence
\"true\";\t\t\t\t\t\tconfigd:help \"Civic-based location data\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/civic-
based/configd_validate1.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/civic-
based/configd_validate2.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/civic-
based/configd_validate3.cli\";\t\t\t\t\t\tleaf country-code {\t\t\t\t\t\t\ttype string
{\t\t\t\t\t\t\tpattern '[A-Za-z]{2}' {\t\t\t\t\t\t\t\terror-message \"country-code must be 2
characters.\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Country code
[REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tlist ca-type {\t\t\t\t\t\t\tconfigd:help \"LLDP-MED Civic Address type
[REQUIRED]\";\t\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/service/lldp/interface/location/civic-based/ca-
type/configd_validate1.cli\";\t\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\t\ttype
uint32 {\t\t\t\t\t\t\t\trange 0..128 {\t\t\t\t\t\t\t\t\terror-message \"ca-type must between 0-
128.\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tconfigd:help \"LLDP-MED Civic Address type
[REQUIRED]\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tleaf ca-value {\t\t\t\t\t\t\t\ttype string
{\t\t\t\t\t\t\t\tpattern '[A-Za-z0-9 \\- \\.,]{0,255}' {\t\t\t\t\t\t\t\terror-message \"ca-value must
be less than 256 characters.\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tconfigd:help \"Civic
address value for ca-type [REQUIRED]\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t\tcontainer
snmp {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"SNMP parameters for LLDP\";\t\t\t\tleaf enable
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable SNMP queries of the LLDP
database\";\t\t\t\t}\t\t\t}\t\t}\t\t}\t\t}}</module<module name=\"vyatta-routing-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-routing-v1:1\" revision=\"2016-06-28\" format=\"yang\"
length=\"4024\"module vyatta-routing-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-routing-v1:1\";\tprefix
vyatta-routing-v1;\timport vyatta-types-v1 { prefix types; }\timport configd-v1 { prefix configd;
}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems,
Inc.\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t Routing Instance configuration\";\trevision 2016-06-28 {\t\tdescription \"Addition of
routing-instance typedefs and groups: \" +\t\t\t \"routing-instance-ref, routing-instance-name, \" +\t\t\t
\"routing-instance-list, routing-instance-leaf \" +\t\t\t \"and routing-instance-or-default-
leaf.\";\t}\trevision 2016-02-01 {\t\tdescription \"Initial revision of version 1.\";\t}\ttypedef routing-
instance-ref {\t\ttype leafref {\t\t\tpath \"/routing/routing-instance/instance-name\";\t\t}\t}\ttypedef
routing-instance-name {\t\tdescription \"A Routing Instance name\";\t\ttype types:alpha-numeric {\t\t\tlength
\"1..16\";\t\t}\t}\tgrouping routing-instance-list {\t\tlist routing-instance {\t\t\tdescription \"A list of
```

Routing Instances\";\t\t\tconfigd:help \"Routing Instance\";\t\t\tkey instance-name;\t\t\tleaf instance-name {\t\t\t\tdescription \"Routing Instance name\";\t\t\t\ttype routing-instance-ref;\t\t\t}\t\t}\t}}\tgrouping routing-instance-leaf {\t\tleaf routing-instance {\t\t\tdescription \"A Routing Instance\";\t\t\ttype routing-instance-ref;\t\t\tconfigd:help \"Routing Instance\";\t\t}\t}\tgrouping routing-instance-or-default-leaf {\t\tleaf routing-instance {\t\t\tdescription \"A Routing Instance name, or 'default'\";\t\t\ttype union {\t\t\t\ttype routing-instance-name;\t\t\t\ttype enumeration {\t\t\t\t\tenum default;\t\t\t\t}\t\t\t}\t\t\tmust \"(current() = /vyatta-routing-v1:routing/vyatta-routing-v1:routing-instance/vyatta-routing-v1:instance-name) or (current() = 'default')\" {\t\t\t\terror-message \"Unknown routing instance\";\t\t\t}\t\t\tconfigd:help \"Routing Instance\";\t\t\tconfigd:allowed \"echo -n $VAR(/routing/routing-instance/@@)\";\t\t}\t}\tcontainer routing {\t\tdescription \"Routing\";\t\tconfigd:help \"Routing\";\t\tconfigd:begin \"vrf-manager --add --all\";\t\tconfigd:end \"vrf-manager --del --all\";\t\tconfigd:priority \"100\";\t\tlist routing-instance {\t\t\tdescription \"Routing Instance\";\t\t\tconfigd:help \"Routing Instance\";\t\t\tkey \"instance-name\";\t\t\tleaf instance-name {\t\t\t\tdescription \"Routing Instance name\";\t\t\t\ttype routing-instance-name;\t\t\t\tmust \"((translate(current(),'ADEFLTU', 'adefltu') != 'default') and (translate(current(),'AL', 'al') != 'all'))\" {\t\t\t\t\terror-message \"Routing Instance names 'default' and 'all' are not allowed.\";\t\t\t\t}\t\t\t\tconfigd:help \"Routing Instance name\";\t\t\t}\t\t\tleaf instance-type {\t\t\t\tdescription \"Routing Instance type\";\t\t\t\ttype enumeration {\t\t\t\t\tenum \"vrf\" {\t\t\t\t\t\tdescription \"VRF lite\";\t\t\t\t\t\tconfigd:help \"VRF lite\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Routing Instance type\";\t\t\t\tdefault \"vrf\";\t\t\t}\t\t\tcontainer protocols {\t\t\t\tdescription \"Routing protocol parameters for Routing Instance\";\t\t\t\tconfigd:help \"Routing protocol parameters for Routing Instance\";\t\t\t}\t\t\tcontainer service {\t\t\t\tdescription \"Services for Routing Instance\";\t\t\t\tconfigd:help \"Services for Routing Instance\";\t\t\t}\t\t\tcontainer system {\t\t\t\tdescription \"System parameters for Routing Instance\";\t\t\t\tconfigd:help \"System parameters for Routing Instance\";\t\t\t\tcontainer login {\t\t\t\t\tdescription \"Authentication services enabled in routing instance\";\t\t\t\t\tconfigd:help \"Authentication services enabled in routing instance\";\t\t\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta_update_login.pl --routing\";\t\t\t\t}\t\t\t}\t\t\tcontainer security {\t\t\t\tdescription \"Security parameters for Routing Instance\";\t\t\t\tconfigd:help \"Security parameters for Routing Instance\";\t\t\t}\t\t\tleaf description {\t\t\t\tdescription \"Set description for this Routing-instance\";\t\t\t\tconfigd:help \"Set description for this Routing-instance\";\t\t\t\ttype string {\t\t\t\t\tlength \"1..80\";\t\t\t\t}\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-mpls-rsvp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-mpls-rsvp:1\" revision=\"2015-06-05\" format=\"yang\" length=\"13503\"module vyatta-protocols-mpls-rsvp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-mpls-rsvp:1\";\tprefix protocols-mpls-rsvp;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport vyatta-protocols-interface-validation-mpls-v1 {\t\tprefix if-validation;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t All rights reserved.\" +\t\t\"YANG data module for MPLS-TE and RSVP-TE configuration\";\trevision 2015-06-05 {\t\tdescription \"Initial revision.\";\t}\t/* MPLS-TE type definitions */\ttypedef admin-group-name {\t\ttype string {\t\t\tlength \"1..14\";\t\t}\t}\ttypedef affinity-usage-type {\t\ttype enumeration {\t\t\tenum include-any {\t\t\t\tdescription \"The set of attribute filters associated with a tunnel any of which must be present for a link to be acceptable\";\t\t\t\tconfigd:help \"Include any attribute\";\t\t\t}\t\t\tenum exclude-any {\t\t\t\tdescription \"The set of attribute filters associated with a tunnel any of which renders a link unacceptable\";\t\t\t\tconfigd:help \"Exclude any attribute\";\t\t\t}\t\t}\t}\ttypedef bandwidth-suffix {\t\ttype string {\t/* Number followed by suffix */\t\t\tpattern '([1-9][0-9]{0,9}|10000000000|([1-9][0-9]{0,6}|10000000)[Kk]|([1-9][0-9]{0,3}|10000)[Mm]|([1-9]|10)[Gg])';\t\t\tconfigd:pattern-help \"<number>[<suffix(k,m,g)>] in range 1..10g\";\t\t}\t}\ttypedef frr-protection-type {\t\ttype enumeration {\t\t\tenum one-to-one {\t\t\t\tconfigd:help \"One-to-One protection mechanism\";\t\t\t}\t\t\tdefault \"one-to-one\";\t\t}\ttypedef hop-action-type {\t\ttype enumeration {\t\t\tenum strict {\t\t\t\tconfigd:help \"Strict hop\";\t\t\t}\t\t\tenum loose {\t\t\t\tconfigd:help \"Loose hop\";\t\t\t}\t\t}\t\tdefault \"loose\";\t}\ttypedef explicit-path-name {\t\ttype string {\t\t\tlength \"1..256\";\t\t}\t}\ttypedef tunnel-name {\t\ttype string {\t\t\tlength \"1..256\";\t\t}\t}\t/* Global groupings */\tgrouping admin-groups {\t\tlist admin-groups {\t\t\tdescription \"List of named TE admin-groups\";\t\t\tconfigd:help \"List of named TE admin-groups\";\t\t\tkey \"name\";\t\t\tleaf name {\t\t\t\tdescription \"A string name that uniquely identifies a TE admin-group\";\t\t\t\ttype admin-group-name {\t\t\t\t\tconfigd:help \"Name of the admin-group\";\t\t\t\t}\t\t\t}\t\t\tleaf value {\t\t\t\tmandatory true;\t\t\t\tdescription \"Value of the admin-group\";\t\t\t\tconfigd:help \"Value of the admin-group\";\t\t\t\ttype uint32 {\t\t\t\t\trange \"0..31\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping explicit-route-objects {\t\tlist explicit-route-objects {\t\t\tkey \"index\";\t\t\tdescription \"List of explicit route objects\";\t\t\tconfigd:help \"List of explicit route objects\";\t\t\tleaf index {\t\t\t\ttype uint8 {\t\t\t\t\tconfigd:help \"Index of explicit route object\";\t\t\t\t}\t\t\t}\t\t\tleaf address {\t\t\t\tconfigd:help \"An IP hop address\";\t\t\t\ttype types:ipv4-address;\t\t\t}\t\t\tleaf action {\t\t\t\tconfigd:help \"An IP hop action\";\t\t\t\ttype hop-action-type;\t\t\t}\t\t}\t}\tgrouping explicit-paths {\t\tdescription \"Global explicit path grouping\";\t\tlist explicit-paths {\t\t\tconfigd:help \"List of explicit paths\";\t\t\tkey \"name\";\t\t\tleaf name {\t\t\t\tdescription \"A string name that uniquely identifies an explicit path\";\t\t\t\ttype explicit-path-name {\t\t\t\t\tconfigd:help \"Explicit path name\";\t\t\t\t}\t\t\t}\t\t\tuses explicit-route-objects;\t\t}\t}\tgrouping reoptimization {\t\tdescription \"Global periodic LSP reoptimization parameters.\";\t\tcontainer reoptimization {\t\t\tpresence \"Enable TE tunnel reoptimization globally on the node.\";\t\t\tconfigd:help \"Enable TE tunnel reoptimization\";\t\t\tleaf interval {\t\t\t\tdescription \"Periodic reoptimization interval in seconds.\";\t\t\t\tconfigd:help \"Periodic reoptimization interval in seconds\";\t\t\t\ttype uint32 {\t\t\t\t\trange \"0..604800\";\t\t\t\t}\t\t\t\tdefault \"3600\";\t\t\t}\t\t}\t}\tgrouping tail-signaling {\t\tdescription \"Signaling properties for LSP tail-end.\";\t\tcontainer tail-signaling {\t\t\tconfigd:help \"Signaling properties for LSP tail-end\";\t\t\tleaf explicit-null {\t\t\t\tconfigd:help \"Send Explicit NULL Label\";\t\t\t\ttype empty;\t\t\t}\t\t}\t}\t/* Tunnel groupings */\tgrouping path-affinities {\t\tdescription \"Path affinities grouping\";\t\tcontainer affinities {\t\t\tdescription \"Path affinities container\";\t\t\tconfigd:help \"Path affinities\";\t\t\tlist constraints {\t\t\t\tkey \"usage\";\t\t\t\tconfigd:help \"List of affinity constraints\";\t\t\t\tleaf usage {\t\t\t\t\ttype affinity-usage-type;\t\t\t\t}\t\t\t\tlist affinity-names {\t\t\t\t\tdescription \"List of affinities\";\t\t\t\t\tconfigd:help \"List of affinity names\";\t\t\t\t\tkey \"name\";\t\t\t\t\tleaf name {\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\tpath \"/protocols:protocols/protocols-mpls-rsvp:mpls-rsvp/protocols-mpls-rsvp:globals/protocols-mpls-rsvp:admin-groups/protocols-mpls-

rsvp:name\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping path-selection {\t\tcontainer path-selection {\t\t\tconfigd:help \"Path selection properties\";\t\t\tleaf hop-limit {\t\t\t\tconfigd:help \"The tunnel path hop limit\";\t\t\t\ttype uint8 {\t\t\t\t\trange \"1..255\";\t\t\t\t}\t\t\t}\t\t}\tuses path-affinities;\t}\t}\tgrouping lsp-signaling-properties {\t\tdescription \"LSP signaling properties.\";\t\tleaf bandwidth {\t\t\ttype bandwidth-suffix;\t\t\tconfigd:help \"Bandwidth to be reserved (bps) <1-10000000000>\";\t\t}\t\tcontainer priority {\t\t\tdescription \"Sets the setup/hold priority to use in the session attribute object.\";\t\t\tconfigd:help \"Priority to use in the session attribute object\";\t\t\tmust \"setup >= hold\" {\t\t\t\terror-message \"Setup priority cannot be higher (nearer 0) than hold priority\";\t\t\t}\t\t\tleaf setup {\t\t\t\tdescription \"RSVP session attributes setup priority\";\t\t\t\tconfigd:help \"Value for setup priority\";\t\t\t\ttype uint8 {\t\t\t\t\trange \"0..7\";\t\t\t\t}\t\t\t\tdefault \"7\";\t\t\t}\t\t\tleaf hold {\t\t\t\tdescription \"RSVP session attributes hold priority\";\t\t\t\tconfigd:help \"Value for hold priority\";\t\t\t\ttype uint8 {\t\t\t\t\trange \"0..7\";\t\t\t\t}\t\t\t\tdefault \"0\";\t\t\t}\t\t}\tgrouping recording {\t\tcontainer record-route {\t\t\tdescription \"Path recording\";\t\t\tconfigd:help \"Requests path RRO recording in RSVP PATH message\";\t\t\tleaf disable {\t\t\t\tconfigd:help \"Disable path RRO recording in RSVP PATH message\";\t\t\t\ttype empty;\t\t}\t\t\tleaf record-label {\t\t\t\tconfigd:help \"Record labels exchanged by all peers\";\t\t\t\ttype empty;\t\t}\t\t}\t}\tgrouping routing-properties {\t\tcontainer autoroute-announce {\t\t\tpresence \"Enable autoroute announce.\";\t\t\tdescription \"Announce the TE tunnel as autoroute to IGP for use as IGP shortcut.\";\t\t\tconfigd:help \"Announce the tunnel for IGP shortcut use\";\t\t\tleaf relative-metric {\t\t\t\tdescription \"Relative TE metric to use when announcing the tunnel as shortcut\";\t\t\t\tconfigd:help \"Relative metric\";\t\t\t\ttype int32 {\t\t\t\t\trange \"-65535..65535\";\t\t\t\t}\t\t\t}\t\t\tleaf absolute-metric {\t\t\t\tdescription \"Absolute TE metric to use when announcing the tunnel as shortcut\";\t\t\t\tconfigd:help \"Absolute metric\";\t\t\t\tmust \"not(../relative-metric)\" {\t\t\t\t\terror-message \"Absolute-metric and relative-metric are mutually exclusive\";\t\t\t}\t\t\t\ttype uint32 {\t\t\t\t\trange \"1..65535\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping fast-reroute {\t\tcontainer fast-reroute {\t\t\tpresence \"FRR local protection is desired\";\t\t\tconfigd:help \"Requests FRR local protection on LSRs\";\t\t\tleaf node-protection-desired {\t\t\t\tdescription \"Request FRR node protection on LSRs if present.\";\t\t\t\tconfigd:help \"Request FRR node protection on LSRs\";\t\t\t\ttype empty;\t\t}\t\t\tleaf protection {\t\t\t\tconfigd:help \"LSP Protection mechanism\";\t\t\t\ttype frr-protection-type;\t\t}\t\t\tuses lsp-signaling-properties;\t\t\tuses path-selection;\t}\t}\tgrouping tunnel-path-params {\t\tdescription \"Tunnel path properties grouping\";\t\tleaf lockdown {\t\t\ttype empty;\t\tdescription \"Indicates no reoptimization to be attempted for this path.\";\t\t\tconfigd:help \"Do not reoptimize this path\";\t\t}\t}\t/* Interface groupings */\tgrouping bandwidth-constraints {\t\tcontainer bandwidth-constraints {\t\t\tconfigd:help \"Bandwidth constraints\";\t\t\tleaf maximum-reservable {\t\t\t\ttype bandwidth-suffix;\t\t\t\tconfigd:help \"Maximum reservable bandwidth (bps) <1-10000000000>\";\t\t\t}\t\t}\t}\tgrouping interface-attributes {\t\tdescription \"Interface TE properties grouping.\";\t\tleaf te-metric {\t\t\tconfigd:help \"Interface TE metric\";\t\t\ttype uint32 {\t\t\t\trange \"1..65535\";\t\t\t}\t\t}\t\tlist admin-groups {\t\t\tkey admin-group;\t\t\tconfigd:help \"List of named admin-group entries\";\t\t\tleaf admin-group {\t\t\t\ttype leafref {\t\t\t\t\tpath \"/protocols:protocols/protocols-mpls-rsvp:mpls-rsvp/protocols-mpls-rsvp:globals/protocols-mpls-rsvp:admin-groups/protocols-mpls-rsvp:name\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping rsvp-signaling {\t\tcontainer signaling {\t\t\tconfigd:help \"RSVP signaling properties\";\t\t\tcontainer hello {\t\t\t\tconfigd:help \"Configure Hello parameters\";\t\t\t\tleaf interval {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange \"10..65535\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Interval between successive Hello packets in milliseconds\";\t\t\t\t}\t\t\t\tleaf receipt {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable the exchange of Hello messages\";\t\t\t\t}\t\t\t\tleaf timeout {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange \"10..65535\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Timeout value in milliseconds\";\t\t\t\t}\t\t\t}\t\t\tcontainer refresh {\t\t\t\tconfigd:help \"Configure refresh parameters\";\t\t\t\tleaf interval {\t\t\t\t\tconfigd:help \"Interval in seconds between successive refreshes\";\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange \"1..65535\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer reduction {\t\t\t\t\tconfigd:help \"Configure RSVP Refresh Reduction parameters\";\t\t\t\t\tleaf disable {\t\t\t\t\t\tconfigd:help \"Disable refresh reduction\";\t\t\t\t\t\ttype empty;\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}\t}\t/* Protocols augmentation */\taugment /protocols:protocols {\t\tcontainer mpls-rsvp {\t\t\tpresence \"Enable MPLS RSVP Traffic Engineering\";\t\t\tconfigd:priority \"640\";\t\t\tconfigd:help \"MPLS RSVP Traffic Engineering\";\t\t\tconfigd:validate \"vyatta-mpls-rsvp.pl --check-params\";\t\t\tconfigd:end \"vyatta-mpls-rsvp.pl --proto\";\t\t\t/* Global configuration data */\t\t\tcontainer globals {\t\t\t\tdescription \"Configuration data model for Global System-wide MPLS Traffic Engineering.\";\t\t\t\tconfigd:help \"Global configuration\";\t\t\t\tuses admin-groups;\t\t\t\tuses explicit-paths;\t\t\t\tuses reoptimization;\t\t\t\tuses tail-signaling;\t\t\t}\t\t\t/* Interface configuration data */\t\t\tcontainer interfaces {\t\t\t\tdescription \"Configuration data model for TE interfaces.\";\t\t\t\tconfigd:help \"Interface configuration\";\t\t\t\tlist interface {\t\t\t\t\tconfigd:help \"List of interfaces\";\t\t\t\t\tconfigd:end \"vyatta-mpls.pl --dev=$VAR(@)\";\t\t\t\t\tkey \"interface\";\t\t\t\t\tuses if-validation:interface-mpls;\t\t\t\t\tuses bandwidth-constraints;\t\t\t\t\tuses interface-attributes;\t\t\t\t\tuses rsvp-signaling;\t\t\t\t}\t\t\t}\t\t\t/* Neighbor configuration data */\t\t\tcontainer neighbors {\t\t\t\tdescription \"RSVP neighbors container\";\t\t\t\tconfigd:help \"RSVP neighbor configuration\";\t\t\t\tlist neighbor {\t\t\t\t\tkey \"address\";\t\t\t\t\tconfigd:help \"List of RSVP neighbors\";\t\t\t\t\tleaf address {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tconfigd:help \"Neighbor address\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer tunnels {\t\t\t\tdescription \"Configuration data model for TE tunnels.\";\t\t\t\tconfigd:help \"Tunnel configuration\";\t\t\t\tlist tunnel {\t\t\t\t\tdescription \"TE tunnel.\";\t\t\t\t\tconfigd:help \"List of TE tunnels\";\t\t\t\t\tkey \"name\";\t\t\t\t\tleaf name {\t\t\t\t\t\ttype tunnel-name {\t\t\t\t\t\t\tconfigd:help \"TE tunnel name\";\t\t\t\t\t}\t\t\t\t\tleaf destination {\t\t\t\t\t\tconfigd:help \"Specify tunnel egress\";\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t}\t\t\t\t\tleaf source {\t\t\t\t\t\tconfigd:help \"Specify tunnel ingress\";\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t}\t\t\t\t\tuses routing-properties;\t\t\t\t\tcontainer primary {\t\t\t\t\t\tconfigd:help \"Configure primary LSP option\";\t\t\t\t\t\tleaf explicit-path {\t\t\t\t\t\t\tconfigd:help \"Name of explicit path to be used\";\t\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\t\tpath \"../../../../globals/explicit-paths/name\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\t\tuses fast-reroute;\t\t\t\t\t\tuses lsp-signaling-properties;\t\t\t\t\t\tuses path-selection;\t\t\t\t\t\tuses recording;\t\t\t\t\t\tuses tunnel-path-params;\t\t\t\t\t}\t\t\t\t\tcontainer secondary {\t\t\t\t\t\tpresence \"Enable secondary LSP\";\t\t\t\t\t\tconfigd:help \"Configure secondary LSP option\";\t\t\t\t\t\tleaf explicit-path {\t\t\t\t\t\t\tconfigd:help \"Name of explicit path to be used\";\t\t\t\t\t\t\ttype leafref {\t\t\t\t\t\t\t\tpath \"../../../../globals/explicit-paths/name\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\t\tuses lsp-signaling-properties;\t\t\t\t\t\tuses path-

selection;\t\t\t\t\tuses recording;\t\t\t\t\tuses tunnel-path-params;\t\t\t\t}\t\t\t}\t\t\t}\t\t\tcontainer log {\t\t\t\tconfigd:help \"RSVP logging parameters\";\t\t\tleaf cspf {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RSVP CSPF logs\";\t\t\t}\t\t\tleaf events {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RSVP events logs\";\t\t\t}\t\t\tcontainer fsm {\t\t\t\tconfigd:help \"RSVP FSM logs\";\t\t\tleaf egress {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RSVP Egress FSM logs\";\t\t\t}\t\t\tleaf ingress {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable RSVP Ingress FSM logs\";\t\t\t}\t\t\tcontainer transit {\t\t\t\tconfigd:help \"RSVP Transit FSM logs\";\t\t\tleaf downstream {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable RSVP Transit Downstream FSM logs\";\t\t\t\t}\t\t\t\tleaf upstream {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable RSVP Transit Upstream FSM logs\";\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\tleaf nsm {\t\t\ttype empty;\t\t\tconfigd:help \"Enable RSVP NSM logs\";\t\t\t}\t\t\tleaf packet {\t\t\ttype empty;\t\t\tconfigd:help \"Enable RSVP packet logs\";\t\t\t}\t\t\tleaf rib {\t\t\ttype empty;\t\t\tconfigd:help \"Enable RSVP RIB logs\";\t\t\t}\t\t}\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-bfd-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-bfd:1\" revision=\"2016-04-20\" format=\"yang\" length=\"16703\"module vyatta-protocols-bfd-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-bfd:1\";\tprefix vyatta-protocols-bfd-v1;\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}   \timport vyatta-service-snmp-v1 {\t\tprefix service-snmp;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-protocols-static-v1 {\t\tprefix protocols-static;\t}\timport vyatta-protocols-bgp-v1 {\t\tprefix protocols-bgp;\t}\timport vyatta-protocols-ospf-v1 {\t\tprefix protocols-ospf;\t}\timport vyatta-protocols-ospfv3-v1 {\t\tprefix protocols-ospfv3;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-bfd-v1\";\trevision 2016-04-20 {\t\tdescription \"BFD yang script changes for OSPF on tunnels, IPv6 Bonded interfaces, enabling bfd traps and other bugfixes\";\t}\trevision 2015-09-23 {\t\tdescription \"Initial revision of version 1\";\t}\t}\t/* Defining Groupings, these groupings, akin to macros will be substituted where ever called */\tgrouping enable-fall-over-bfd {\t\tcontainer fall-over {\t\t\tdescription \"This container is present only when fall-over is configured.\";\t\t\tconfigd:help \"Fall-over detection\";\t\t\tleaf bfd {\t\t\t\ttype empty;\t\t\t\tdescription \"Enable Bidirectional Forwarding Detection (BFD)\";\t\t\t\tconfigd:help \"Bidirectional Forwarding Detection (BFD)\";\t\t\t}\t\t}\t}\tgrouping interface-template {\t\tcontainer bfd {\t\t\tconfigd:priority \"997\";\t\t\tdescription \"Configures BFD parameter template on interface.\";\t\t\tconfigd:help \"Bidirectional Forwarding Detection (BFD)\";\t\t\tleaf template {\t\t\t\ttype leafref {\t\t\t\t\tpath \"/protocols:protocols/vyatta-protocols-bfd-v1:bfd/vyatta-protocols-bfd-v1:template/vyatta-protocols-bfd-v1:tagnode\";\t\t\t\t}\t\t\t\tdescription \"Template definition to be referenced by sessions\";\t\t\t\tconfigd:help \"Template name\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/bfd/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/interfaces/all/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\tgrouping bfd-logging {\t\tcontainer log {\t\t\tdescription \"List of logging parameters for BFD\";\t\t\tconfigd:help \"BFD logging parameters\";\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tdescription \"Enable all BFD logs\";\t\t\t\tconfigd:help \"Enable all BFD logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd delete.sh\";\t\t\t}\t\t\tleaf event {\t\t\t\ttype empty;\t\t\t\tdescription \"Enable event logs for BFD\";\t\t\t\tconfigd:help \"Enable BFD event logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd delete.sh\";\t\t\t}\t\t\tleaf ipc-error {\t\t\t\ttype empty;\t\t\t\tdescription \"Enable ipc-error logs for BFD\";\t\t\t\tconfigd:help \"Enable BFD ipc-error logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd_delete.sh\";\t\t\t}\t\t\tleaf ipc-event {\t\t\t\ttype empty;\t\t\t\tdescription \"Enable ipc-event logs for BFD\";\t\t\t\tconfigd:help \"Enable BFD ipc-event logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd delete.sh\";\t\t\t}\t\t\tleaf packet {\t\t\t\ttype empty;\t\t\t\tdescription \"Enable packet logs for BFD\";\t\t\t\tconfigd:help \"Enable BFD packet logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd delete.sh\";\t\t\t}\t\t\tleaf session {\t\t\t\ttype empty;\t\t\t\tdescription \"Enable session logs for BFD\";\t\t\t\tconfigd:help \"Enable BFD session logs\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bfd/log/configd_delete.sh\";\t\t\t}\t\t}\t}\tgrouping session-template {\t\tlist destination {\t\t\tconfigd:priority \"999\";\t\t\tdescription \"Session template destination address\";\t\t\tconfigd:help \"Destination Address\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bfd/destination/configd delete.sh\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\tdescription \"Session template destination address\";\t\t\t\tconfigd:help \"Destination Address\";\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype types:ipv6-address;\t\t\t\t}\t\t\t}\t\t\tlist source {\t\t\t\tmin-elements \"1\";\t\t\t\tdescription \"Session template source address\";\t\t\t\tconfigd:help \"Source Address\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/destination/source/configd create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/bfd/destination/source/configd_delete.sh\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/bfd/destination/source/configd_end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\tdescription \"Session template source address\";\t\t\t\t\tconfigd:help \"Source Address\";\t\t\t\t\ttype union {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"any\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tleaf helper-session {\t\t\t\ttype empty;\t\t\t\tdescription \"Enable BFD session in Helper mode\";\t\t\t\tconfigd:help\t\"Helper

```
Session\";\t\t\t\t\tmust \"((../tagnode) != 'any' )\" {\t\t\t\t\terror-message \"Helper session is not
supported when source is 'any'\";\t\t\t\t\t}\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/bfd/destination/source/helper-
session/configd create.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/bfd/destination/source/helper-
session/configd_delete.sh\";\t\t\t\t\t}\t\t\t\tleaf template {\t\t\t\t\ttype leafref {\t\t\t\t\tpath
\"/protocols:protocols/vyatta-protocols-bfd-v1:bfd/vyatta-protocols-bfd-v1:template/vyatta-protocols-bfd-
v1:tagnode\";\t\t\t\t\t}\t\t\t\t\tdescription\t\"Template to be referenced by
Session\";\t\t\t\t\tconfigd:help\t\"Template name\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/bfd/destination/source/template/configd create.sh\";\t\t\t\t}\t\t\t
}\t\t}\t}\t/* Augmenting protocols-static */\taugment /protocols:protocols/protocols-static:static/protocols-
static:route/protocols-static:next-hop {\t\tuses enable-fall-over-bfd;\t}\taugment
/protocols:protocols/protocols-static:static/protocols-static:route6/protocols-static:next-hop {\t\tuses
enable-fall-over-bfd;\t}\t/* Augmenting protocols-bgp */\taugment /protocols:protocols/protocols-
bgp:bgp/protocols-bgp:neighbor {\t\tuses enable-fall-over-bfd;\t}\t/* Augmenting protocols */\taugment
/protocols:protocols/protocols-ospf:ospf/protocols-ospf:area/protocols-ospf:virtual-link {\t\tuses enable-
fall-over-bfd {\t\t\trefine fall-over/bfd {\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/all/fall-over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/all/fall-over/bfd/configd_delete.sh\";\t\t\t}\t\t}\t}\taugment
/protocols:protocols/protocols-ospfv3:ospfv3/protocols-ospfv3:area/protocols-ospfv3:virtual-link {
uses enable-fall-over-bfd {                               refine fall-over/bfd {\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/all/fall-over/bfd/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/all/fall-over/bfd/configd_delete.sh\";                         }
}\t}\taugment /protocols:protocols/protocols-ospfv3:ospfv3/protocols-ospfv3:process/protocols-
ospfv3:area/protocols-ospfv3:virtual-link {\t\tuses enable-fall-over-bfd {\t\t\trefine fall-over/bfd
{\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/all/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/all/fall-
over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\t/* Augmenting IP interfaces */\taugment
/if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ip/protocols-ospf:ospf {\t\tuses enable-
fall-over-bfd {\t\t\trefine fall-over/bfd {\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-
over/bfd/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-over/bfd/configd_delete.sh\";\t\t\t}\t\t}\t}\t/*
Augmenting interface level parameter template */\taugment /if:interfaces/interfaces-dataplane:dataplane
{\t\tuses interface-template;\t}\t/* Augmenting interface level parameter template */\taugment
/if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif {\t\tuses interface-
template;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-
dataplane:ip/protocols-ospf:ospf {\t\tuses enable-fall-over-bfd {\t\t\trefine fall-over/bfd
{\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\t/*
Augmenting interface level parameter template */\taugment /if:interfaces/interfaces-tunnel:tunnel {\t\tuses
interface-template;\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-tunnel:ip/protocols-
ospf:ospf {\t\tuses enable-fall-over-bfd {\t\t\trefine fall-over/bfd {\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\t/*
Augmenting IPv6 interfaces */\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-
dataplane:ipv6/protocols-ospfv3:ospfv3 {\t\tuses enable-fall-over-bfd {\t\t\trefine fall-over/bfd
{\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ipv6/protocols-ospfv3:ospfv3 {\t\tuses
enable-fall-over-bfd {\t\t\trefine fall-over/bfd {\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-
tunnel:ipv6/protocols-ospfv3:ospfv3 {\t\tuses enable-fall-over-bfd {\t\t\trefine fall-over/bfd
{\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\t/* Augmenting bonding interfaces */\taugment
/if:interfaces/interfaces-bonding:bonding/interfaces-bonding:ip/protocols-ospf:ospf {\t\tuses enable-fall-
over-bfd {\t\t\trefine fall-over/bfd {\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-
over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-
bonding:ipv6/protocols-ospfv3:ospfv3 {\t\tuses enable-fall-over-bfd {\t\t\trefine fall-over/bfd
{\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding {\t\tuses
interface-template;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-
bonding:ip/protocols-ospf:ospf {\t\tuses enable-fall-over-bfd {\t\t\trefine fall-over/bfd
{\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/fall-
over/bfd/configd delete.sh\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-
bonding:vif/interfaces-bonding:ipv6/protocols-ospfv3:ospfv3 {\t\tuses enable-fall-over-bfd {\t\t\trefine
fall-over/bfd {\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd_create.sh\";\t\t\t\tconfigd:delete
```

```
\"/opt/vyatta/share/tmplscripts/interfaces/all/ipv6/ospfv3/fall-
over/bfd/configd_delete.sh\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-
bonding:vif {\t\tuses interface-template;\t}\t/* Augmenting trap notifications */\taugment
/service:service/service-snmp:snmp/service-snmp:notification {\t\tcontainer bfd {\t\tdescription \"Enable
BFD specific SNMP Notifications\";\t\t\tconfigd:help \"BFD Notifications\";\t\t\tleaf all {\t\t\ttype
empty;\t\t\t\tdescription \"Enable BFD specific SNMP Notifications\";\t\t\t\tconfigd:help \"BFD
Notifications\";\t\t\tconfigd:create \"vtysh -c \"configure terminal\" -c \"bfd notification
all\"\";\t\t\tconfigd:delete \"vtysh -c \"configure terminal\" -c \"no bfd
notification\"\";\t\t\t}\t\t}\t}\t/* BFD commands' definition */\taugment /protocols:protocols {\t\tcontainer
bfd {\t\tdescription \"The BFD node need not exist if neither BFD templates nor BFD destinations are
configured\";\t\tpresence \"true\";\t\tconfigd:priority \"990\";\t\tconfigd:help \"BFD
protocol\";\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/bfd/configd_end.sh\";\t\tlist
template {\t\t\tconfigd:priority \"995\";\t\t\tdescription \"Definition of Template that would be
referenced by Session.\";\t\t\tconfigd:help \"Template name.\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode
{\t\t\t\ttype string;\t\t\t\tdescription \"Name of the Template to be
referenced.\";\t\t\t\tconfigd:help \"Template name.\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/bfd/template/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/bfd/template/configd_delete.sh\";\t\t\t}\t\t\tcontainer auth
{\t\t\t\tdescription \"This container is present only authentication is
enabled.\";\t\t\t\tconfigd:priority \"996\";\t\t\t\tconfigd:help
\"Authentication\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/bfd/template/auth/configd_delete.sh\";\t\t\t\tcontainer simple
{\t\t\t\t\tdescription \"This container is present only when simple text password is
configured.\";\t\t\t\t\tconfigd:help \"Simple Password\";\t\t\t\t\tleaf key {\t\t\t\t\t\tdescription
\"Authentication key chain\";\t\t\t\t\t\tconfigd:help \"Authentication key
chain\";\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[^\\t\\n\\r
]{1,16}' {\t\t\t\t\t\t\terror-message \"Simple password must be 16 characters or
less\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/bfd/template/auth/simple/key/configd_create.sh\";\t\t\t\t\t}\t\t\
t\t\t}\t\t\t\t}\t\t\t\tleaf minimum-tx {\t\t\t\tconfigd:priority \"996\";\t\t\t\tdescription \"Desired
Minimum transmit interval ( in milliseconds )\";\t\t\t\tconfigd:help \"Minimum transmit interval ( in
milliseconds )\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/template/minimum-
tx/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/bfd/template/minimum-tx/configd_delete.sh\";\t\t\t\ttype uint32
{\t\t\t\t\trange 20..10000;\t\t\t\t}\t\t\t\tdefault \"300\";\t\t\t}\t\t\tleaf minimum-rx
{\t\t\t\tconfigd:priority \"996\";\t\t\t\tdescription \"Required Minimum receive interval ( in
milliseconds )\";\t\t\t\tconfigd:help \"Minimum receive interval ( in milliseconds
)\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/bfd/template/minimum-
rx/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/bfd/template/minimum-rx/configd_delete.sh\";\t\t\t\ttype uint32
{\t\t\t\t\trange 20..10000;\t\t\t\t}\t\t\t\tdefault \"300\";\t\t\t}\t\t\tleaf multiplier
{\t\t\t\tconfigd:priority \"996\";\t\t\t\tdescription \"Detection Time
Multiplier\";\t\t\t\tconfigd:help \"Detect Multiplier\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/bfd/template/multiplier/configd_create.sh\";\t\t\t\tconfigd:delet
e \"/opt/vyatta/share/tmplscripts/protocols/bfd/template/multiplier/configd_delete.sh\";\t\t\t\ttype uint32
{\t\t\t\t\trange 1..100;\t\t\t\t}\t\t\t\tdefault \"3\";\t\t\t}\t\t}\t\tuses session-
template;\t\tuses bfd-logging;\t}\t}}}</module<module name=\"vyatta-system-acm-configd-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-acm-configd:1\" revision=\"2014-08-26\" format=\"yang\"
length=\"2813\"module vyatta-system-acm-configd-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-acm-
configd:1\";\tprefix vyatta-system-acm-configd-v1;\timport vyatta-system-v1 {\tprefix system;\t}\timport
vyatta-system-acm-v1 {\tprefix system-acm;\t}\timport configd-v1 {\tprefix configd;\t}\torganization
\"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130
Holger Way\t\t      San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module for vyatta-system-acm-configd-v1\";\trevision 2014-08-26
{\tdescription \"Initial revision.\";\tconfigd:migration 1;\t}\ttypedef action {\t\ttype enumeration
{\t\t\tenum \"allow\" {\t\t\tconfigd:help \"Allow the action\";\t\t\t}\t\t\tenum \"deny\"
{\t\t\tconfigd:help \"Deny the action\";\t\t\t}\t\t}\t}\t\taugment /system:system/system-acm:acm
{\t\tleaf log-requests {\t\tconfigd:help \"Log all requests to the audit log\";\t\t\ttype
empty;\t\t}\t\tleaf read-default {\t\t\ttype action;\t\t\tdefault \"allow\";\t\t\tconfigd:help \"Read
operation default action\";\t\t}\t\tleaf delete-default {\t\t\ttype action;\t\t\tdefault
\"deny\";\t\t\tconfigd:help \"Delete operation default action\";\t\t}\t\tleaf update-default {\t\t\ttype
action;\t\t\tdefault \"deny\";\t\t\tconfigd:help \"Update operation default action\";\t\t}\t\tcontainer
ruleset {\t\tpresence \"true\";\t\t\tconfigd:help \"Configuration path ruleset\";\t\t\tlist rule
{\t\t\t\tconfigd:help \"Rule number (1-9999)\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/acm/ruleset/rule/configd_validate1.cli\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/acm/ruleset/rule/configd_validate2.cli\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/acm/ruleset/rule/configd_validate3.cli\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\trange
1..9999;\t\t\t\t}\t\t\t\tconfigd:help \"Rule number\";\t\t\t}\t\t\t\tleaf path {\t\t\t\ttype
string;\t\t\t\tconfigd:help \"Path to match\";\t\t\t}\t\t\t\tleaf action {\t\t\t\ttype
action;\t\t\t\tdefault \"deny\";\t\t\t\tconfigd:help \"Action\";\t\t\t}\t\t\t\tleaf-list group
{\t\t\t\ttype string;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Group to
match\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/acm/ruleset/rule/group/configd_allowed.sh\";\t\t\t}\t\t\t\tleaf log
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable logging for rule\";\t\t\t}\t\t\t\tleaf operation
{\t\t\t\ttype enumeration {\t\t\t\t\tenum \"create\";\t\t\t\t\tenum \"read\";\t\t\t\t\tenum
\"update\";\t\t\t\t\tenum \"delete\";\t\t\t\t\tenum \"*\";\t\t\t\t}\t\t\t\tconfigd:help \"Path
operation to match\";\t\t\t}\t\t\t}\t\t\tleaf enable {\t\t\ttype empty;\t\t\tconfigd:help \"Enable
rulesets\";\t\t}\t\tleaf create-default {\t\t\ttype action;\t\t\tdefault \"deny\";\t\t\tconfigd:help \"Create
operation default action\";\t\t}\t}}}</module<module name=\"vyatta-protocols-nsm-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-nsm:1\" revision=\"2016-05-18\" format=\"yang\"
length=\"3325\"module vyatta-protocols-nsm-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-
nsm:1\";\tprefix vyatta-protocols-nsm-v1;\timport vyatta-protocols-v1 {\tprefix protocols;\t}\timport
```

configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose,
CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-
2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-
protocols-nsm-v1\";\trevision 2016-05-18 {\t\tdescription \"Group containers nsm\";\t}\trevision 2015-08-06
{\t\tdescription \"Initial revision of version 1\";\t}\tgrouping nsm-log-basic {\t\tleaf all {\t\t\ttype
empty;\t\t\t\tconfigd:help \"Enable all NSM logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/configd_delete.sh\";\t\t}\t\tleaf events {\t\t\ttype
empty;\t\t\t\tconfigd:help \"Enable NSM events logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/config_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/config_delete.sh\";\t\t}\t\tleaf kernel {\t\t\ttype
empty;\t\t\t\tconfigd:help \"Enable NSM kernel logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/config_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/config_delete.sh\";\t\t}\t}\tgrouping nsm-log-infra
{\t\tcontainer nsm {\t\t\tconfigd:priority \"650\";\t\t\tconfigd:help \"NSM parameters\";\t\t\tcontainer log
{\t\t\t\tconfigd:help \"NSM logging parameters\";\t\t\t\tuses nsm-log-basic;\t\t\t\tcontainer ha
{\t\t\t\t\tconfigd:help \"NSM HA logs\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help
\"Enable NSM HA logs\";\t\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/ha/config_create.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/ha/config_delete.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontaine
r packet {\t\t\t\t\tconfigd:help \"NSM packet logs\";\t\t\t\t\tleaf all {\t\t\t\t\t\ttype
empty;\t\t\t\t\t\tconfigd:help \"Enable NSM packet all logs\";\t\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/packet/config_create.sh\";\t\t\t\t\t\t \tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/packet/config_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf detail
{\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable NSM packet detail logs\";\t\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/packet/config_create.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/packet/config_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf send
{\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable NSM packet send logs\";\t\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/packet/config_create.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/packet/config_delete.sh\";\t\t\t\t\t}\t\t\t\t\tleaf recv
{\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable NSM packet recv logs\";\t\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/packet/config_create.sh\";\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/nsm/log/packet/config_delete.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t}
\t}\taugment /protocols:protocols {\t\tuses nsm-log-infra;\t}}</module><module name=\"vyatta-resources-group-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-resources-group:1\" revision=\"2016-08-03\" format=\"yang\"
length=\"4965\"module vyatta-resources-group-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-resources-
group:1\";\tprefix vyatta-resources-group-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-
resources-v1 {\t\tprefix resources;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-fw-types-v1
{\t\tprefix fw-types;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade
Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail:
support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade
Communications Systems, Inc.\t\t All rights reserved.\t\t YANG module and scripts for Vyatta resource
groups\";\trevision 2016-08-03 {\t\tdescription \"Increase address-group max-elements from 32 to
1024\";\t}\trevision 2016-03-28 {\t\tdescription \"Remove use of bash in action scripts\";\t}\trevision 2015-
10-13 {\t\tdescription \"Initial revision.\";\t}\ttypedef group-address {\t\ttype union {\t\t\ttype
types:ipv4-address {\t\t\t\tconfigd:help \"IP address to match\";\t\t\t}\t\t\ttype types:ipv4-prefix
{\t\t\t\tconfigd:help \"IP subnet to match\";\t\t\t\tpattern '.*/(([0-9])|([1-2][0-9])|(3[0-
1]))';\t\t\t\tconfigd:pattern-help \"<x.x.x.x/0-31>\";\t\t\t\tconfigd:normalize \"normalize ipv4-
prefix\";\t\t\t}\t\t\ttype types:ipv6-address {\t\t\t\tconfigd:help \"IPv6 address to
match\";\t\t\t}\t\t\ttype types:ipv6-prefix {\t\t\t\tconfigd:help \"IPv6 subnet to match\";\t\t\t\tpattern
'.*/((([0-9])|([0-9]{2})|(1[0-1][0-9])|(12[0-7])))';\t\t\t\tconfigd:pattern-help \"<h:h:h:h:h:h:h:h/0-
127>\";\t\t\t\tconfigd:normalize \"normalize ipv6-prefix\";\t\t\t}\t\t}\t}\ttypedef group-port {\t\ttype
union {\t\t\ttype fw-types:service-name;\t\t\ttype types:port;\t\t\ttype types:port-range;\t\t}\t}\tgrouping
group-icmp-numeric {\t\tlist type {\t\t\tdescription \"Choose a type (and optional code) by
number\";\t\t\tconfigd:help \"Choose a type (and optional code) by number\";\t\t\tkey type-number;\t\t\tleaf
type-number {\t\t\t\ttype fw-types:icmp-type-number;\t\t\t\tdescription \"ICMP type
value\";\t\t\t\tconfigd:help \"ICMP type value\";\t\t\t}\t\t\tlist code {\t\t\t\tkey code-number;\t\t\t\tleaf
code-number {\t\t\t\t\ttype fw-types:icmp-code-number;\t\t\t\t}\t\t\t\tdescription \"ICMP code
value\";\t\t\t\tconfigd:help \"ICMP code value\";\t\t\t}\t\t}\t}\taugment /resources:resources {\t\tcontainer
group {\t\t\tconfigd:priority \"300\";\t\t\tconfigd:help \"Group of addresses, networks, ports and ICMP
type/codes\";\t\t\tlist icmp-group {\t\t\t\tconfigd:help \"Group of IPv4 ICMP\";\t\t\t\tconfigd:end \"end-
icmp-group icmp $VAR(@)\";\t\t\t\tkey \"group-name\";\t\t\t\tleaf group-name {\t\t\t\t\ttype fw-types:group-
name;\t\t\t\t\tconfigd:help \"Group of IPv4 ICMP\";\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype
string;\t\t\t\t\tdescription \"IPv4 ICMP-group description\";\t\t\t\t\tconfigd:help \"IPv4 ICMP-group
description\";\t\t\t}\t\t\t\tleaf-list name {\t\t\t\t\ttype fw-types:icmpv4-symbolic;\t\t\t\t\tdescription
\"Choose a type (and optional code) by name\";\t\t\t\t\tconfigd:help \"Choose a type (and optional code) by
name\";\t\t\t}\t\t\t\tuses group-icmp-numeric;\t\t\t\tmust \"count(name) + count(type/type-number) >= 1\"
{\t\t\t\t\terror-message \"An 'icmp-group' must have at least one member\";\t\t\t}\t\t\t}\t\t\tlist icmpv6-
group {\t\t\t\tconfigd:help \"Group of IPv6 ICMP\";\t\t\t\tconfigd:end \"end-icmp-group icmpv6
$VAR(@)\";\t\t\t\tkey \"group-name\";\t\t\t\tleaf group-name {\t\t\t\t\ttype fw-types:group-
name;\t\t\t\t\tconfigd:help \"Group of IPv6 ICMP\";\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype
string;\t\t\t\t\tdescription \"IPv6 ICMP-group description\";\t\t\t\t\tconfigd:help \"IPv6 ICMP-group
description\";\t\t\t}\t\t\t\tleaf-list name {\t\t\t\t\ttype fw-types:icmpv6-symbolic;\t\t\t\t\tdescription
\"Choose a type (and optional code) by name\";\t\t\t\t\tconfigd:help \"Choose a type (and optional code) by
name\";\t\t\t}\t\t\t\tuses group-icmp-numeric;\t\t\tmust \"count(name) + count(type/type-number) >= 1\"
{\t\t\t\t\terror-message \"An 'icmpv6-group' must have at least one member\";\t\t\t}\t\t\t}\t\t\tlist port-
group {\t\t\tconfigd:help \"Group of ports\";\t\t\tconfigd:end \"end-port-group $VAR(@)\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype fw-types:group-name {\t\t\t\t\tconfigd:help \"Port-group
name\";\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/resources/group/port-
group/config_syntax.cli\";\t\t\t}\t\t\t\tconfigd:help \"Group of ports\";\t\t\t}\t\t\tleaf
description {\t\t\t\ttype string;\t\t\t\tconfigd:help \"Port-group description\";\t\t\t}\t\t\tleaf-
list port {\t\t\t\ttype group-port;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Port-group
member\";\t\t\t\tmax-elements 500;\t\t\t}\t\t\t}\t\t\tlist address-group {\t\t\t\tconfigd:help \"Group of

addresses and networks\";\t\t\t\tconfigd:end \"end-address-group $VAR(@)\";\t\t\t\tmax-elements 1024;\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype fw-types:group-name {\t\t\t\t\t\tconfigd:help \"Address-group name\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Group of addresses and networks\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Address-group description\";\t\t\t\t}\t\t\t\tleaf-list address {\t\t\t\t\ttype group-address;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Address-group member\";\t\t\t\t}\t\t\t}\t\t}\t}</module<module name=\"ietf-netconf-monitoring\"uri=\"urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring\" revision=\"2010-10-04\" format=\"yang\" length=\"17412\"module ietf-netconf-monitoring { namespace \"urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring\"; prefix \"ncm\"; import ietf-yang-types { prefix yang; } import ietf-inet-types { prefix inet; } organization   \"IETF NETCONF (Network Configuration) Working Group\"; contact   \"WG Web: <http://tools.ietf.org/wg/netconf/>   WG List: <mailto:netconf@ietf.org>   WG Chair: Mehmet Ersue   <mailto:mehmet.ersue@nsn.com>   WG Chair: Bert Wijnen   <mailto:bertietf@bwijnen.net>   Editor: Mark Scott <mailto:mark.scott@ericsson.com>   Editor: Martin Bjorklund   <mailto:mbj@tail-f.com>\"; description   \"NETCONF Monitoring Module. All elements in this module are read-only.   Copyright (c) 2010 IETF Trust and the persons identified as   authors of the code. All rights reserved.   Redistribution and use in source and binary forms, with or   without modification, is permitted pursuant to, and subject   to the license terms contained in, the Simplified BSD   License set forth in Section 4.c of the IETF Trust's   Legal Provisions Relating to IETF Documents   (http://trustee.ietf.org/license-info).   This version of this YANG module is part of RFC 6022; see   the RFC itself for full legal notices.\"; revision 2010-10-04 {   description   \"Initial revision.\";   reference   \"RFC 6022: YANG Module for NETCONF Monitoring\"; } typedef netconf-datastore-type {   type enumeration {   enum running;   enum candidate;   enum startup;   }   description   \"Enumeration of possible NETCONF datastore types.\";   reference   \"RFC 4741: NETCONF Configuration Protocol\"; } identity transport {   description   \"Base identity for NETCONF transport types.\"; } identity netconf-ssh {   base transport;   description   \"NETCONF over Secure Shell (SSH).\";   reference   \"RFC 4742: Using the NETCONF Configuration Protocol   over Secure SHell (SSH)\"; } identity netconf-soap-over-beep {   base transport;   description   \"NETCONF over Simple Object Access Protocol (SOAP) over Blocks Extensible Exchange Protocol (BEEP).\";   reference   \"RFC 4743: Using NETCONF over the Simple Object   Access Protocol (SOAP)\"; } identity netconf-soap-over-https {   base transport;   description   \"NETCONF over Simple Object Access Protocol (SOAP)   over Hypertext Transfer Protocol Secure (HTTPS).\";   reference   \"RFC 4743: Using NETCONF over the Simple Object   Access Protocol (SOAP)\"; } identity netconf-beep {   base transport;   description   \"NETCONF over Blocks Extensible Exchange Protocol (BEEP).\";   reference   \"RFC 4744: Using the NETCONF Protocol over the Blocks Extensible Exchange Protocol (BEEP).\"; } identity netconf-tls {   base transport;   description \"NETCONF over Transport Layer Security (TLS).\";   reference   \"RFC 5539: NETCONF over Transport Layer Security (TLS)\"; } identity schema-format {   description   \"Base identity for data model schema languages.\"; } identity xsd {   base schema-format;   description   \"W3C XML Schema Definition.\";   reference   \"W3C REC REC-xmlschema-1-20041028:   XML Schema Part 1: Structures\"; } identity yang {   base schema-format;   description   \"The YANG data modeling language for NETCONF.\";   reference \"RFC 6020: YANG - A Data Modeling Language for the   Network Configuration Protocol (NETCONF)\"; } identity yin {   base schema-format;   description   \"The YIN syntax for YANG.\";   reference   \"RFC 6020: YANG - A Data Modeling Language for the   Network Configuration Protocol (NETCONF)\"; } identity rng {   base schema-format;   description   \"Regular Language for XML Next Generation (RELAX NG).\";   reference   \"ISO/IEC 19757-2:2008: RELAX NG\"; } identity rnc {   base schema-format;   description   \"Relax NG Compact Syntax\";   reference   \"ISO/IEC 19757-2:2008: RELAX NG\"; } grouping common-counters {   description   \"Counters that exist both per session, and also globally,   accumulated from all sessions.\";   leaf in-rpcs {   type yang:zero-based-counter32;   description   \"Number of correct <rpc> messages received.\";   }   leaf in-bad-rpcs {   type yang:zero-based-counter32;   description   \"Number of messages received when an <rpc> message was expected,   that were not correct <rpc> messages. This includes XML parse errors and errors on the rpc layer.\";   }   leaf out-rpc-errors {   type yang:zero-based-counter32;   description   \"Number of <rpc-reply> messages sent that contained an   <rpc-error> element.\";   }   leaf out-notifications {   type yang:zero-based-counter32;   description   \"Number of <notification> messages sent.\";   } } container netconf-state {   config false;   description \"The netconf-state container is the root of the monitoring   data model.\";   container capabilities {   description   \"Contains the list of NETCONF capabilities supported by the   server.\";   leaf-list capability {   type inet:uri;   description   \"List of NETCONF capabilities supported by the server.\";   }   }   container datastores {   description   \"Contains the list of NETCONF configuration datastores.\";   list datastore {   key name;   description   \"List of NETCONF configuration datastores supported by   the NETCONF server and related information.\";   leaf name {   type netconf-datastore-type;   description   \"Name of the datastore associated with this list entry.\";   }   container locks {   presence   \"This container is present only if the datastore   is locked.\";   description   \"The NETCONF <lock> and <partial-lock> operations allow   a client to lock specific resources in a datastore. The   NETCONF server will prevent changes to the locked resources by all sessions except the one that acquired   the lock(s).   Monitoring information is provided for each datastore   entry including details such as the session that acquired   the lock, the type of lock (global or partial) and the   list of locked resources. Multiple locks per datastore   are supported.\";   grouping lock-info {   description   \"Lock related parameters, common to both global and   partial locks.\";   leaf locked-by-session {   type uint32;   mandatory true;   description   \"The session ID of the session that has locked   this resource. Both a global lock and a partial   lock MUST contain the NETCONF session-id.   If the lock is held by a session that is not managed   by the NETCONF server (e.g., a CLI session), a session id of 0 (zero) is reported.\";   reference   \"RFC 4741: NETCONF Configuration Protocol\";   }   leaf locked-time {   type yang:date-and-time;   mandatory true;   description   \"The date and time of when the resource was locked.\";   }   }   choice lock-type {   description   \"Indicates if a global lock or a set of partial locks   are set.\";   container global-lock {   description   \"Present if the global lock is set.\";   uses lock-info;   }   list partial-lock {   key lock-id;   description   \"List of partial locks.\";   reference   \"RFC 5717: Partial Lock Remote Procedure Call (RPC) for   NETCONF\";   leaf lock-id {   type uint32;

```
description                      \"This is the lock id returned in the <partial-lock>
response.\";              }                  uses lock-info;            leaf-list select {                      type
yang:xpath1.0;            min-elements 1;            description                   \"The xpath
expression that was used to request                the lock.  The select expression indicates the
original intended scope of the lock.\";          }                  leaf-list locked-node {
type instance-identifier;          description                 \"The list of instance-identifiers
(i.e., the                    locked nodes).             The scope of the partial lock is defined by the
list               of locked nodes.\";                  }          }          }          }          }     }
container schemas {      description          \"Contains the list of data model schemas supported by the
server.\";      list schema {          key \"identifier version format\";          description              \"List of
data model schemas supported by the server.\";          leaf identifier {          type string;
description             \"Identifier to uniquely reference the schema.  The          identifier is used in
the <get-schema> operation and may             be used for other purposes such as file retrieval.
For modeling languages that support or require a data          model name (e.g., YANG module name) the
identifier MUST             match that name.  For YANG data models, the identifier is          the name of
the module or submodule.  In other cases, an             identifier such as a filename MAY be used
instead.\";          }          leaf version {          type string;          description                 \"Version of
the schema supported.  Multiple versions MAY be          supported simultaneously by a NETCONF server.
Each             version MUST be reported individually in the schema list,          i.e., with same
identifier, possibly different location,             but different version.             For YANG data models,
version is the value of the most          recent YANG 'revision' statement in the module or
submodule, or the empty string if no 'revision' statement          is present.\";          }          leaf
format {          type identityref {          base schema-format;          }          description
\"The data modeling language the schema is written          in (currently xsd, yang, yin, rng, or rnc).
For YANG data models, 'yang' format MUST be supported and             'yin' format MAY also be provided.\";
}          leaf namespace {          type inet:uri;          mandatory true;          description
\"The XML namespace defined by the data model.          For YANG data models, this is the module's
namespace.             If the list entry describes a submodule, this field          contains the namespace
of the module to which the             submodule belongs.\";          }          leaf-list location {
type union {          type enumeration {          enum \"NETCONF\";          }          type
inet:uri;          }          description          \"One or more locations from which the schema can be
retrieved.  This list SHOULD contain at least one          entry per schema.          A schema entry
may be located on a remote file system          (e.g., reference to file system for ftp retrieval) or
retrieved directly from a server supporting the          <get-schema> operation (denoted by the value
'NETCONF').\";          }          }          }      container sessions {          description          \"The sessions container
includes session-specific data for          NETCONF management sessions.  The session list MUST include
all currently active NETCONF sessions.\";          list session {          key session-id;          description
\"All NETCONF sessions managed by the NETCONF server          MUST be reported in this list.\";          leaf
session-id {          type uint32 {          range \"1..max\";          }          description
\"Unique identifier for the session.  This value is the          NETCONF session identifier, as defined in
RFC 4741.\";          reference          \"RFC 4741: NETCONF Configuration Protocol\";          }          leaf
transport {          type identityref {          base transport;          }          mandatory true;
description          \"Identifies the transport for each session, e.g.,          'netconf-ssh', 'netconf-
soap', etc.\";          }          leaf username {          type string;          mandatory true;
description          \"The username is the client identity that was authenticated          by the NETCONF
transport protocol.  The algorithm used to          derive the username is NETCONF transport protocol
specific          and in addition specific to the authentication mechanism          used by the NETCONF
transport protocol.\";          }          leaf source-host {          type inet:host;          description
\"Host identifier of the NETCONF client.  The value          returned is implementation specific (e.g.,
hostname,          IPv4 address, IPv6 address)\";          }          leaf login-time {          type
yang:date-and-time;          mandatory true;          description          \"Time at the server at which
the session was established.\";          }          uses common-counters {          description          \"Per-
session counters.  Zero based with following reset          behaviour:          - at start of a
session          - when max value is reached\";          }          }      }      container statistics {
description          \"Statistical data pertaining to the NETCONF server.\";          leaf netconf-start-time {
type yang:date-and-time;          description          \"Date and time at which the management subsystem was
started.\";          }          leaf in-bad-hellos {          type yang:zero-based-counter32;          description
\"Number of sessions silently dropped because an          invalid <hello> message was received.  This
includes <hello>          messages with a 'session-id' attribute, bad namespace, and          bad capability
declarations.\";          }          leaf in-sessions {          type yang:zero-based-counter32;          description
\"Number of sessions started.  This counter is incremented          when a <hello> message with a <session-
id> is sent.          'in-sessions' - 'in-bad-hellos' =          'number of correctly started netconf
sessions'\";          }          leaf dropped-sessions {          type yang:zero-based-counter32;          description
\"Number of sessions that were abnormally terminated, e.g.,          due to idle timeout or transport close.
This counter is not          incremented when a session is properly closed by a          <close-session>
operation, or killed by a <kill-session>          operation.\";          }          uses common-counters {
description          \"Global counters, accumulated from all sessions.          Zero based with following
reset behaviour:          - re-initialization of NETCONF server          - when max value is reached\";
}      }  }  rpc get-schema {      description          \"This operation is used to retrieve a schema from the
NETCONF server.          Positive Response:          The NETCONF server returns the requested schema.
Negative Response:          If requested schema does not exist, the <error-tag> is          'invalid-value'.
If more than one schema matches the requested parameters, the          <error-tag> is 'operation-failed', and
<error-app-tag> is          'data-not-unique'.\";          input {          leaf identifier {          type string;
mandatory true;          description          \"Identifier for the schema list entry.\";          }          leaf
version {          type string;          description          \"Version of the schema requested.  If this
parameter is not          present, and more than one version of the schema exists on          the server, a
'data-not-unique' error is returned, as          described above.\";          }          leaf format {          type
identityref {          base schema-format;          }          description          \"The data modeling language
of the schema.  If this          parameter is not present, and more than one formats of the
schema exists on the server, a 'data-not-unique' error          is returned, as described above.\";          }
}      output {          anyxml data {          description          \"Contains the schema content.\";          }
}  }}</module<module name=\"vyatta-security-vpn-ipsec-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-security-vpn-
ipsec:1\" revision=\"2016-04-12\" format=\"yang\" length=\"22312\"module vyatta-security-vpn-ipsec-v1
{\tnamespace \"urn:vyatta.com:mgmt:vyatta-security-vpn-ipsec:1\";\tprefix vyatta-security-vpn-ipsec-
```

```
v1;\timport vyatta-security-v1 {\t\tprefix security;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport
configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t        San Jose,
CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-
2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-
security-vpn-ipsec-v1\";\trevision 2016-04-12 {\t\tdescription \"site-to-site: support any as local-
address value.\t\t  Introduce hash algorithm null, required for AES GCM encryptions.\t\t  Remove use of bash
in action scripts.\t\t  Mark deprecated CLI: security vpn ipsec auto-update.\";\t}\trevision 2015-12-04
{\t\tdescription \"Use common grouping for pre-shared-key nodes.\";\t}\trevision 2015-08-10 {\t\tdescription
\"Initial revision of version 1.\";\t}\tgrouping hash {\t\tleaf hash {\t\t\ttype enumeration {\t\t\t\tenum
\"md5\" {\t\t\t\t\tconfigd:help \"MD5 HMAC\";\t\t\t\t}\t\t\t\tenum \"sha1\" {\t\t\t\t\tconfigd:help \"SHA1
HMAC (default)\";\t\t\t\t}\t\t\t\tenum \"sha1_160\" {\t\t\t\t\tconfigd:help \"SHA1_160
hash\";\t\t\t\t}\t\t\t\tenum \"sha2_256\" {\t\t\t\t\tconfigd:help \"SHA2_256_128 HMAC\";\t\t\t\t}\t\t\t\tenum
\"sha2 384\" {\t\t\t\t\tconfigd:help \"SHA2 384 192 HMAC\";\t\t\t\t}\t\t\t\tenum \"sha2 512\"
{\t\t\t\t\tconfigd:help \"SHA2 512 256 HMAC\";\t\t\t\t}\t\t\t\tenum \"null\" {\t\t\t\t\tconfigd:help \"no
separate integrity function\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"Hash algorithm\";\t\t\tdefault
\"sha1\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/esp-group-
name/proposal/hash/configd_validate1.cli\";\t\t}\t}\tgrouping ike-group-name {\t\tleaf ike-group {\t\t\ttype
string;\t\t\tconfigd:help \"Internet Key Exchange (IKE) group name [REQUIRED]\";\t\t\tconfigd:allowed \"echo
$VAR(/security/vpn/ipsec/ike-group/@@)\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/ike-group-name/configd validate1.cli\";\t\t}\t}\tgrouping
esp-group-name {\t\tleaf esp-group {\t\t\ttype string;\t\t\tconfigd:help \"ESP group
name\";\t\t\tconfigd:allowed\t\"echo $VAR(/security/vpn/ipsec/esp-group/@@)\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/esp-group-name/configd_validate1.cli\";\t\t}\t}\tgrouping
pre-shared-secret {\t\tleaf pre-shared-secret {\t\t\tdescription \"Pre-shared secret key\t\t\t    Only the
following characters are allowed to be used for setting\t\t\t    pre-shared secret key:\t\t\t\t
alphanumeric characters a-z A-Z 0-9\t\t\t    special characters     - + & ! @ # $ % ^ * ( ) , . :
_\t\t\t\t   Example usage : 'aA1-&!@,.:_2Bb'\";\t\t\ttype string {\t\t\t\tpattern '[-
\\\\+&!@#$%\\\\^\\\\*\\\\(\\\\),\\\\.:_a-zA-Z0-9]+' {\t\t\t\t\tconfigd:error-message \"invalid pre-shared secret key
\"$VAR(@)\"Only these characters are allowed to be used for setting pre-shared secret key :alphanumeric
characters     a-z A-Z 0-9special characters          - + & ! @ # $ % ^ * ( ) , . :  Use of single quotes
to set pre-shared secret key is recommended.Example usage : 'aA1-
&!@,.:_2Bb'\";\t\t\t\t}\t\t\t}\t\t\tconfigd:help \"Pre-shared secret key\";\t\t}\t}\taugment
/security:security {\t\tcontainer vpn {\t\t\tpresence \"true\";\t\t\tconfigd:priority
\"900\";\t\t\tconfigd:help \"Virtual Private Network (VPN)\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/security/vpn/configd end.sh\";\t\t\tcontainer rsa-keys {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"RSA keys\";\t\t\t\tlist rsa-key-name {\t\t\t\t\tconfigd:help \"Name of remote
RSA key\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help
\"Name of remote RSA key\";\t\t\t\t\t}\t\t\t\t\tleaf rsa-key {\t\t\t\t\t\ttype
string;\t\t\t\t\t\tconfigd:help \"Remote RSA key\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer local-key
{\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Local RSA key\";\t\t\t\t\tleaf file {\t\t\t\t\t\ttype
string {\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/security/vpn/rsa-keys/local-
key/file/configd syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Local RSA key file
location\";\t\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/security/vpn/rsa-keys/local-
key/file/configd_validate1.cli\";\t\t\t\t\t\tdefault \"/opt/vyatta/etc/config/ipsec.d/rsa-
keys/localhost.key\";\t\t\t\t\t}\t\t\t\t}\t\t\t}\t\t\tcontainer ipsec {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"VPN IP security (IPsec) parameters\";\t\t\t\tcontainer logging
{\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"IPsec logging\";\t\t\t\t\tleaf-list log-modes
{\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"raw\" {\t\t\t\t\t\t\t\tconfigd:help \"Debug log option
for IPSec daemon\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"crypt\" {\t\t\t\t\t\t\t\tconfigd:help \"Debug log
option for IPSec daemon\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"parsing\" {\t\t\t\t\t\t\t\tconfigd:help \"Debug
log option for IPSec daemon\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"emitting\" {\t\t\t\t\t\t\t\tconfigd:help
\"Debug log option for IPSec daemon\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"control\"
{\t\t\t\t\t\t\t\tconfigd:help \"Debug log option for IPSec daemon\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"all\"
{\t\t\t\t\t\t\t\tconfigd:help \"Debug log option for IPSec daemon\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum
\"private\" {\t\t\t\t\t\t\t\tconfigd:help \"Debug log option for IPSec
daemon\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"Log
mode\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf auto-update {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
30..65535;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Set auto-update interval for IPsec daemon.\";\t\t\t\t\tstatus
deprecated;\t\t\t\t}\t\t\t\tleaf disable-uniqreqids {\t\t\t\t\ttype empty;\t\t\t\t\tstatus
deprecated;\t\t\t\t}\t\t\t\tcontainer site-to-site {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Site
to site VPN\";\t\t\t\t\tlist peer {\t\t\t\t\t\tconfigd:help \"VPN peer\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/configd validate1.cli\";\t\t\t\t\t\tconfigd:begin
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-site/peer/configd begin.pl\";\t\t\t\t\t\tkey
\"tagnode\";\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\tconfigd:help \"VPN
peer\";\t\t\t\t\t\t}\t\t\t\t\t\tcontainer authentication {\t\t\t\t\t\t\tpresence
\"true\";\t\t\t\t\t\t\tconfigd:help \"Peer authentication [REQUIRED]\";\t\t\t\t\t\t\tleaf rsa-key-name
{\t\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\t\tpattern '[-_a-zA-Z0-9\\\\.]+'
{\t\t\t\t\t\t\t\t\t\tconfigd:error-message \"invalid RSA key name
\"$VAR(@)\"\";\t\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tconfigd:help \"RSA key
name\";\t\t\t\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/authentication/rsa-key-name/configd_validate1.cli\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tuses pre-shared-
secret;\t\t\t\t\t\t\tleaf remote-id {\t\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\t\tpattern '[ -~]+'
{\t\t\t\t\t\t\t\t\t\tconfigd:error-message \"invalid ID
\"$VAR(@)\"\";\t\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tconfigd:help \"ID for remote
authentication\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tcontainer x509 {\t\t\t\t\t\t\t\tpresence
\"true\";\t\t\t\t\t\t\t\tconfigd:help \"X.509 certificate\";\t\t\t\t\t\t\t\tleaf ca-cert-file
{\t\t\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-site/peer/authentication/x509/ca-cert-
file/configd syntax1.cli\";\t\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\t\tconfigd:help \"File containing the X.509
certificate for the Certificate Authority (CA)\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tcontainer key
{\t\t\t\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\t\t\t\tconfigd:help \"Key file and password to open
it\";\t\t\t\t\t\t\t\t\tleaf password {\t\t\t\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\t\t\t\tconfigd:secret
```

\"true\";\t\t\t\t\t\t\t\t\tconfigd:help \"Password that protects the private
key\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tleaf file {\t\t\t\t\t\t\t\ttype string
{\t\t\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/authentication/x509/key/file/configd syntax1.cli\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tconfigd
:help \"File containing the private key for the X.509 certificate for this
host\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\tleaf cert-file {\t\t\t\t\t\t\t\ttype string
{\t\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/authentication/x509/cert-
file/configd syntax1.cli\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"File containing the X.509
certificate for this host\";\t\t\t\t\t\t}\t\t\t\t\tleaf crl-file {\t\t\t\t\t\ttype string
{\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/authentication/x509/crl-
file/configd_syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\tleaf mode
{\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"pre-shared-secret\"
{\t\t\t\t\t\t\tconfigd:help \"Use pre-shared secret key\";\t\t\t\t\t\t}\t\t\t\t\t\t\tenum
\"x509\" {\t\t\t\t\t\t\tconfigd:help \"Use X.509
certificate\";\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"rsa\" {\t\t\t\t\t\t\tconfigd:help \"Use RSA
key\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Authentication
mode\";\t\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/authentication/mode/config validate1.cli\";\t\t\t\t\t\tdefault \"pre-shared-
secret\";\t\t\t\t\t}\t\t\t\t\tleaf id {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[-
~]+' {\t\t\t\t\t\t\tconfigd:error-message \"invalid ID
\"$VAR(@)\"\";\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"ID for peer
authentication\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf description {\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:help \"VPN peer description\";\t\t\t\t}\t\t\t\tlist tunnel
{\t\t\t\t\tconfigd:help \"Peer tunnel [REQUIRED]\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf
tagnode {\t\t\t\t\ttype uint32;\t\t\t\t\tconfigd:help \"Peer tunnel
[REQUIRED]\";\t\t\t\t}\t\t\t\tcontainer local {\t\t\t\t\tpresence
\"true\";\t\t\t\t\tconfigd:help \"Local parameters for interesting traffic\";\t\t\t\t\tleaf
prefix {\t\t\t\t\t\ttype union {\t\t\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\t\t\ttype
types:ipv6-prefix;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Local IPv4 or IPv6
prefix\";\t\t\t\t\t}\t\t\t\t\tleaf port {\t\t\t\t\t\ttype
string;\t\t\t\t\t\tconfigd:help \"Any TCP or UDP
port\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t\tcontainer remote {\t\t\t\t\tpresence
\"true\";\t\t\t\t\tconfigd:help \"Remote parameters for interesting traffic\";\t\t\t\t\tleaf
prefix {\t\t\t\t\t\ttype union {\t\t\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\t\t\ttype
types:ipv6-prefix;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Remote IPv4 or IPv6
prefix\";\t\t\t\t\t}\t\t\t\t\tleaf port {\t\t\t\t\t\ttype
string;\t\t\t\t\t\tconfigd:help \"Any TCP or UDP
port\";\t\t\t\t}\t\t\t\t}\t\t\t\t\tleaf allow-public-networks {\t\t\t\t\t\ttype
enumeration {\t\t\t\t\t\tenum \"enable\";\t\t\t\t\t\tenum
\"disable\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Option to allow public
networks\";\t\t\t\t\tdefault \"disable\";\t\t\t\t\tstatus
deprecated;\t\t\t\t}\t\t\t\t\tleaf allow-nat-networks {\t\t\t\t\t\ttype enumeration
{\t\t\t\t\t\tenum \"enable\";\t\t\t\t\t\tenum
\"disable\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Option to allow NAT
networks\";\t\t\t\t\tdefault \"disable\";\t\t\t\t\tstatus
deprecated;\t\t\t\t}\t\t\t\t\tleaf disable {\t\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help
\"Option to disable vpn tunnel\";\t\t\t\tuses esp-group-name;\t\t\t\t\tleaf protocol
{\t\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/tunnel/protocol/configd syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Protocol to
encrypt\";\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/tunnel/protocol/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t\tleaf local-address
{\t\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-site/peer/local-
address/configd syntax.sh\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"IPv4 or IPv6 address of a local
interface to use for VPN\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-site/peer/local-
address/configd_allowed.sh\";\t\t\t\t\t}\t\t\t\tleaf dhcp-interface {\t\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:help \"DHCP interface to listen on\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-site/peer/dhcp-
interface/configd allowed.sh\";\t\t\t\t}\t\t\t\t\tleaf default-esp-group {\t\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:help \"Default ESP group name\";\t\t\t\t\tconfigd:allowed\t\"echo
$VAR(/security/vpn/ipsec/esp-group/@@)\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-site/peer/default-esp-
group/configd_validate1.cli\";\t\t\t\t}\t\t\t\t\tcontainer vti {\t\t\t\t\t\tpresence
\"true\";\t\t\t\t\tconfigd:help \"Virtual tunnel interface [REQUIRED]\";\t\t\t\t\tuses esp-group-
name;\t\t\t\t\tleaf bind {\t\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"VTI tunnel interface
associated with this configuration [REQUIRED]\";\t\t\t\t\tconfigd:allowed \"echo
$VAR(/interfaces/vti/@@)\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/site-to-
site/peer/vti/bind/configd_validate1.cli\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf connection-type
{\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"initiate\" {\t\t\t\t\t\tconfigd:help \"This
endpoint can initiate or respond to a connection\";\t\t\t\t\t}\t\t\t\t\tenum \"respond\"
{\t\t\t\t\t\tconfigd:help \"This endpoint will only respond to a
connection\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Connection
type\";\t\t\t\t\tdefault \"initiate\";\t\t\t\t}\t\t\t\tuses ike-group-
name;\t\t\t\t}\t\t\t\t\tcontainer nat-networks {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help
\"Network Address Translation (NAT) networks\";\t\t\tlist allowed-network {\t\t\t\tconfigd:help \"NAT
networks to allow\";\t\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-
prefix;\t\t\t\t\tconfigd:help \"NAT networks to allow\";\t\t\t\t}\t\t\t\tleaf-list exclude
{\t\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"NAT

networks to exclude from allowed-networks\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t\tlist profile
{\t\t\t\t\tconfigd:help \"VPN IPSec Profile\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode
{\t\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"VPN IPSec Profile\";\t\t\t\t}\t\t\t\t\tcontainer
authentication {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Authentication
[REQUIRED]\";\t\t\t\t\tuses pre-shared-secret;\t\t\t\t\tleaf mode {\t\t\t\t\t\ttype string
{\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/profile/authentication/mode/configd_syntax1.cli\";\t\t\t\t
\t\t}\t\t\t\t\tconfigd:help \"Authentication mode\";\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/profile/authentication/mode/configd validate1.cli\";\t\t\t
\t\t\tdefault \"pre-shared-secret\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tuses esp-group-name
{\t\t\t\t\trefine esp-group {\t\t\t\t\tconfigd:help \"ESP group name
[REQUIRED]\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer bind {\t\t\t\t\tpresence
\"true\";\t\t\t\t\tconfigd:help \"DMVPN crypto configuration\";\t\t\t\t\tlist tunnel
{\t\t\t\t\tconfigd:help \"Tunnel interface associated with this configuration
profile\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/profile/bind/tunnel/configd allowed.sh\";\t\t\t\t\tconf
igd:end
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/profile/bind/tunnel/configd_end.sh\";\t\t\t\t\tconfigd
:validate
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/profile/bind/tunnel/configd validate1.cli\";\t\t\t\t\t\t
key \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Tunnel
interface associated with this configuration profile\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/profile/bind/tunnel/configd_allowed.sh\";\t\t\t\t\t}\t
\t\t\t\t}\t\t\t\t}\t\t\t\tuses ike-group-name;\t\t\t}\t\t\t\tleaf nat-traversal {\t\t\ttype
enumeration {\t\t\t\t\tenum \"enable\";\t\t\t\t\tenum \"disable\";\t\t\t\t}\t\t\t\tconfigd:help
\"Network Address Translation (NAT) traversal\";\t\t\t\tstatus deprecated;\t\t\t}\t\t\tlist esp-group
{\t\t\t\tconfigd:help \"Name of Encapsulating Security Payload (ESP) group\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\tpattern '[-_a-zA-Z0-9\\.]+'
{\t\t\t\t\tconfigd:error-message \"invalid ESP group name
\"$VAR(@)\"\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Name of Encapsulating Security Payload
(ESP) group\";\t\t\t\t}\t\t\t\tlist proposal {\t\t\t\tconfigd:help \"ESP-group proposal
[REQUIRED]\";\t\t\t\t\tmust \"(encryption != 'aes128gcm128' and encryption != 'aes256gcm128') or hash =
'null'\" {\t\t\t\t\terror-message \"No hash/integrity algorithm allowed for selected authenticated
encryption algorithm\";\t\t\t\t}\t\t\t\tmust \"(encryption != 'aes128' and encryption != 'aes256' and
encryption != '3des') or (hash != 'null')\" {\t\t\t\t\terror-message \"Selected encryption algorithm
cannot have null hash/integrity algorithm\";\t\t\t\t}\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode
{\t\t\t\t\ttype uint32 {\t\t\t\t\trange 1..65535;\t\t\t\t}\t\t\t\t\tconfigd:help \"ESP-
group proposal\";\t\t\t\t}\t\t\t\tuses hash;\t\t\t\tleaf encryption {\t\t\t\t\ttype
enumeration {\t\t\t\t\t\tenum \"aes128\" {\t\t\t\t\t\tconfigd:help \"AES-128 encryption
(default)\";\t\t\t\t\t}\t\t\t\t\tenum \"aes256\" {\t\t\t\t\t\tconfigd:help \"AES-256
encryption\";\t\t\t\t\t}\t\t\t\t\tenum \"3des\" {\t\t\t\t\t\tconfigd:help \"3DES
encryption\";\t\t\t\t\t}\t\t\t\t\tenum \"aes128gcm128\" {\t\t\t\t\t\tconfigd:help \"128 bit
AES-GCM with 128 bit ICV\";\t\t\t\t\t}\t\t\t\t\tenum \"aes256gcm128\"
{\t\t\t\t\t\tconfigd:help \"256 bit AES-GCM with 128 bit
ICV\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Encryption
algorithm\";\t\t\t\t\tdefault \"aes128\";\t\t\t\t}\t\t\t\t}\t\t\t\tleaf compression
{\t\t\t\t\ttype enumeration {\t\t\t\t\tenum \"enable\" {\t\t\t\t\t\tconfigd:help \"Enable ESP
compression\";\t\t\t\t\t}\t\t\t\t\tenum \"disable\" {\t\t\t\t\t\tconfigd:help \"Disable ESP
compression (default)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"ESP
compression\";\t\t\t\t\tdefault \"disable\";\t\t\t\t}\t\t\t\tleaf mode {\t\t\t\t\ttype enumeration
{\t\t\t\t\tenum \"tunnel\" {\t\t\t\t\t\tconfigd:help \"Tunnel mode
(default)\";\t\t\t\t\t}\t\t\t\t\tenum \"transport\" {\t\t\t\t\t\tconfigd:help \"Transport
mode\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"ESP mode\";\t\t\t\t\tdefault
\"tunnel\";\t\t\t\t}\t\t\t\tleaf lifetime {\t\t\t\t\ttype uint32 {\t\t\t\t\trange
30..86400;\t\t\t\t}\t\t\t\t\tconfigd:help \"ESP lifetime\";\t\t\t\t\tdefault
\"3600\";\t\t\t\t}\t\t\t\tleaf pfs {\t\t\t\t\ttype enumeration {\t\t\t\t\tenum \"enable\"
{\t\t\t\t\t\tconfigd:help \"Enable PFS. Use ike-group's dh-group
(default)\";\t\t\t\t\t}\t\t\t\t\tenum \"disable\" {\t\t\t\t\t\tconfigd:help \"Disable
PFS\";\t\t\t\t\t}\t\t\t\t\tenum \"dh-group2\" {\t\t\t\t\t\tconfigd:help \"Enable PFS. Use Diffie-
Hellman group 2\";\t\t\t\t\t}\t\t\t\t\tenum \"dh-group5\" {\t\t\t\t\t\tconfigd:help \"Enable PFS.
Use Diffie-Hellman group 5\";\t\t\t\t\t}\t\t\t\t\tenum \"dh-group14\" {\t\t\t\t\t\tconfigd:help
\"Enable PFS. Use Diffie-Hellman group 14\";\t\t\t\t\t}\t\t\t\t\tenum \"dh-group15\"
{\t\t\t\t\t\tconfigd:help \"Enable PFS. Use Diffie-Hellman group 15\";\t\t\t\t\t}\t\t\t\t\tenum
\"dh-group16\" {\t\t\t\t\t\tconfigd:help \"Enable PFS. Use Diffie-Hellman group
16\";\t\t\t\t\t}\t\t\t\t\tenum \"dh-group17\" {\t\t\t\t\t\tconfigd:help \"Enable PFS. Use Diffie-
Hellman group 17\";\t\t\t\t\t}\t\t\t\t\tenum \"dh-group18\" {\t\t\t\t\t\tconfigd:help \"Enable
PFS. Use Diffie-Hellman group 18\";\t\t\t\t\t}\t\t\t\t\tenum \"dh-group19\"
{\t\t\t\t\t\tconfigd:help \"Enable PFS. Use Diffie-Hellman group 19\";\t\t\t\t\t}\t\t\t\t\tenum
\"dh-group20\" {\t\t\t\t\t\tconfigd:help \"Enable PFS. Use Diffie-Hellman group
20\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"ESP Perfect Forward Secrecy\";\t\t\t\t\tdefault
\"enable\";\t\t\t\t}\t\t\t\tleaf disable-strict-mode {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help
\"Disable strict-mode proposal negotiation for ESP.\";\t\t\t\t}\t\t\t}\t\t\tlist ike-group
{\t\t\t\tconfigd:help \"Name of Internet Key Exchange (IKE) group\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\tpattern '[-_a-zA-Z0-9\\.]+'
{\t\t\t\t\t\tconfigd:error-message \"invalid IKE group name
\"$VAR(@)\"\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Name of Internet Key Exchange (IKE)
group\";\t\t\t}\t\t\t\tleaf ike-version {\t\t\t\t\ttype enumeration {\t\t\t\t\tenum \"1\"
{\t\t\t\t\t\tconfigd:help \"Use IKEv1 keyexchange (default).\";\t\t\t\t\t}\t\t\t\t\tenum \"2\"
{\t\t\t\t\t\tconfigd:help \"Use IKEv2 keyexchange.\";\t\t\t\t\t}\t\t\t\t\tenum \"2+1\"
{\t\t\t\t\t\tconfigd:help \"Use IKEv2 keyexchange when initiating, but accept any protocol version when
responding.\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t\tdefault \"1\";\t\t\t\t\tconfigd:help \"IKE version
for this proposal\";\t\t\t}\t\t\t\tlist proposal {\t\t\t\tconfigd:help \"IKE-group proposal
[REQUIRED]\";\t\t\t\t\tmust \"(encryption != 'aes128gcm128' and encryption != 'aes256gcm128') or (../ike-
version = '2' and hash = 'null')\" {\t\t\t\t\terror-message \"IKEv1 not allowed for selected encryption

algorithm\";\t\t\t\t\t}\t\t\t\t\t\tmust \"(encryption != 'aes128' and encryption != 'aes256' and encryption != '3des') or (hash != 'null')\" {\t\t\t\t\t\terror-message \"Selected encryption algorithm cannot have null No hash/integrity algorithm\";\t\t\t\t\t}\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 1..65535;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"IKE-group proposal\";\t\t\t\t\t}\t\t\t\t\tuses hash;\t\t\t\t\tleaf encryption {\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"aes128\" {\t\t\t\t\t\t\t\tconfigd:help \"AES-128 encryption (default)\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"aes256\" {\t\t\t\t\t\t\t\tconfigd:help \"AES-256 encryption\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"3des\" {\t\t\t\t\t\t\t\tconfigd:help \"3DES encryption\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"aes128gcm128\" {\t\t\t\t\t\t\t\tconfigd:help \"128 bit AES-GCM with 128 bit ICV\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"aes256gcm128\" {\t\t\t\t\t\t\t\tconfigd:help \"256 bit AES-GCM with 128 bit ICV\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Encryption algorithm\";\t\t\t\t\t\t}\t\t\t\t\t\tdefault \"aes128\";\t\t\t\t\t}\t\t\t\t\tleaf dh-group {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/ike-group/proposal/dh-group/config syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Diffie-Hellman (DH) key exchange group\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer dead-peer-detection {\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Dead Peer Detection (DPD)\";\t\t\t\t\tleaf action {\t\t\t\t\t\ttype enumeration {\t\t\t\t\t\t\tenum \"hold\" {\t\t\t\t\t\t\t\tconfigd:help \"Set action to hold (default)\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"clear\" {\t\t\t\t\t\t\t\tconfigd:help \"Set action to clear\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tenum \"restart\" {\t\t\t\t\t\t\t\tconfigd:help \"Set action to restart\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Keep-alive failure action\";\t\t\t\t\t\t}\t\t\t\t\t\tdefault \"hold\";\t\t\t\t\t}\t\t\t\t\tleaf interval {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 0..86400;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Keep-alive interval\";\t\t\t\t\t\tdefault \"30\";\t\t\t\t\t}\t\t\t\t\tleaf timeout {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 30..86400;\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Keep-alive timeout (IKEv1 only)\";\t\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/security/vpn/ipsec/ike-group/dead-peer-detection/timeout/configd_validate1.cli\";\t\t\t\t\t\tdefault \"120\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf lifetime {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 30..86400;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"IKE lifetime\";\t\t\t\t\tdefault \"28800\";\t\t\t\t}\t\t\t\tleaf disable-strict-mode {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Disable strict-mode proposal negotiation for IKE.\";\t\t\t\t}\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-security-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-security:1\" revision=\"2015-08-05\" format=\"yang\" length=\"654\"module vyatta-security-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-security:1\";\tprefix vyatta-security-v1;\timport configd-v1 { prefix configd; }\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t \t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t This module implements vyatta-security-v1.\";\trevision 2015-08-05 {\t\tdescription \"Initial revision of version 1.\";\t}   container security {\t\tconfigd:help \"VPN, Zone and FW\";\t}}</module><module name=\"vyatta-service-dhcp-relay-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-dhcp-relay:1\" revision=\"2015-08-14\" format=\"yang\" length=\"3049\"module vyatta-service-dhcp-relay-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-dhcp-relay:1\";\tprefix vyatta-service-dhcp-relay-v1;\timport vyatta-types-v1 {\tprefix types;\t}\timport vyatta-services-v1 {\tprefix service;\t}\timport configd-v1 {\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-dhcp-relay-v1\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping dhcp-relay-service {\t\tcontainer dhcp-relay {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"910\";\t\t\tconfigd:help \"Dynamic Host Configuration Protocol (DHCP) relay agent\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/dhcp-relay/configd_end1.cli\";\t\t\tleaf-list server {\t\t\t\ttype types:ipv4-address;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"DHCP server address\";\t\t\t}\t\t\tleaf-list listen-interface {\t\t\t\ttype string;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"DHCP relay interface which DHCP clients are attached [REQUIRED]\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/dhcp-relay/interface/configd_allowed.sh\";\t\t\t}\t\t\tleaf-list upstream-interface {\t\t\t\ttype string;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"DHCP relay interface which DHCP server is attached [REQUIRED]\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/dhcp-relay/interface/configd allowed.sh\";\t\t\t}\t\t\tcontainer relay-options {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Relay options\";\t\t\t\tleaf relay-agents-packets {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"append\" {\t\t\t\t\t\t\tconfigd:help \"append own relay options to packet\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"replace\" {\t\t\t\t\t\t\tconfigd:help \"replace existing agent option field\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"forward\" {\t\t\t\t\t\t\tconfigd:help \"forward packet unchanged\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"discard\" {\t\t\t\t\t\t\tconfigd:help \"discard packet (default action if giaddr not set in packet)\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"forward\";\t\t\t\t\tconfigd:help \"Policy to handle incoming DHCPv4 packets which already contain relay agent options\";\t\t\t\t}\t\t\t\tleaf max-size {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 64..1400 {\t\t\t\t\t\t\terror-message \"max-size must be a value between 64 and 1400\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"576\";\t\t\t\t\tconfigd:help \"Maximum packet size to send to a DHCPv4/BOOTP server\";\t\t\t\t}\t\t\t\tleaf port {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..65535 {\t\t\t\t\t\t\terror-message \"port must be a value between 1 and 65535\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Port number to listen on\";\t\t\t\t}\t\t\t\tleaf hop-count {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange 1..255 {\t\t\t\t\t\t\terror-message \"hop-count must be a value between 1 and 255\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"10\";\t\t\t\t\tconfigd:help \"Policy to discard packets that have reached specified hop-count\";\t\t\t\t}\t\t\t}\t\t}\t}\taugment /service:service {\t\tuses dhcp-relay-service;\t}}</module><module name=\"vyatta-interfaces-dataplane-unnumbered-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-unnumbered:1\" revision=\"2016-07-13\" format=\"yang\" length=\"6573\"module vyatta-interfaces-dataplane-unnumbered-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-unnumbered:1\";\tprefix vyatta-interfaces-dataplane-unnumbered-v1;\timport vyatta-types-v1 {\tprefix types;\t}\timport configd-v1 {\tprefix configd;\t}\timport vyatta-interfaces-v1 {\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-loopback-v1 {\tprefix interfaces-loopback;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-

```
2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t Vyatta dataplane interface
unnumbered specific yang file and related\t\t template scripts.\";\trevision 2016-07-13 {\t\tdescription
\"Define constraints and remove configd:validate\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial
revision of version 1.\";\t}\tgrouping unnumbered-opts {\t\tlist donor-interface {\t\t\tmax-elements
\"1\";\t\t\tconfigd:help \"donor interface name\";\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-allowed.sh\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype union {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern \"lo(|[1-
9]([0-9]){0,4})\";\t\t\t\t\t\tconfigd:pattern-help \"<lo|loN>\";\t\t\t\t}\t\t\t\t\ttype interfaces-
dataplane:dataplane-ifname;\t\t\t}\t\t\t\tmust \"(/if:interfaces/*[local-name(.) = 'dataplane' or local-
name(.) = 'loopback']/\"\t\t\t\t   + \"*[local-name(.) = 'tagnode' and . = current()])\" {\t\t\t\terror-
message \"Donor Interface is not a valid dataplane or loopback interface\";\t\t\t}\t\t\t\tmust
\"not(../../../../*[(local-name(.) = 'address') and (. = 'dhcp')])\" {\t\t\t\terror-message \"Can't
configure unnumbered on interface that has dhcp configured.\";\t\t\t}\t\t\t\tmust
\"not(../../../../*[local-name(.) = 'address' and contains(., '.')])\" {\t\t\t\terror-message \"Can't
configure unnumbered on interface that has ipv4 address configured.\";\t\t\t}\t\t\t\tmust
\"((/if:interfaces/interfaces-loopback:loopback/\"\t\t\t\t   + \"interfaces-loopback:address[(../interfaces-
loopback:tagnode = current()) and contains(., '.')])\"\t\t\t\t   + \"or (/if:interfaces/interfaces-
dataplane:dataplane/\"\t\t\t\t   + \"interfaces-dataplane:address[(../interfaces-dataplane:tagnode =
current()) and contains(., '.')]))\" {\t\t\t\terror-message \"Can't configure donor interface without an ip
address.\";\t\t\t}\t\t\t}\t\t\tleaf preferred-address {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help
\"preferred address to use from donor interface\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/preferred-address/configd allowed.pl --donor-
dev=$VAR(../@) --ipv4\";\t\t\t}\t\t}\t}\tgrouping unnumbered-opts-ipv6 {\t\tlist donor-interface {\t\t\tmax-
elements \"1\";\t\t\tconfigd:help \"donor interface name\";\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-allowed.sh\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype union {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern \"lo(|[1-
9]([0-9]){0,4})\";\t\t\t\t\t\tconfigd:pattern-help \"<lo|loN>\";\t\t\t\t}\t\t\t\t}\t\t\t\t\ttype interfaces-
dataplane:dataplane-ifname;\t\t\t}\t\t\t\tmust \"(/if:interfaces/*[local-name(.) = 'dataplane' or local-
name(.) = 'loopback']/\"\t\t\t\t   + \"*[local-name(.) = 'tagnode' and . = current()])\" {\t\t\t\terror-
message \"Donor Interface is not a valid dataplane or loopback interface\";\t\t\t}\t\t\t\tmust
\"not(../../../../*[(local-name(.) = 'address') and (. = 'dhcpv6')])\" {\t\t\t\terror-message \"Can't
configure unnumbered on interface that has dhcpv6 configured.\";\t\t\t}\t\t\t\tmust
\"not(../../../../*[local-name(.) = 'address' and contains(., ':')])\" {\t\t\t\terror-message \"Can't
configure unnumbered on interface that has ipv6 address configured.\";\t\t\t}\t\t\t\tmust
\"((/if:interfaces/interfaces-loopback:loopback/\"\t\t\t\t   + \"interfaces-loopback:address[../interfaces-
loopback:tagnode = current() and contains(., ':')]) \"\t\t\t\t   + \"or (/if:interfaces/interfaces-
dataplane:dataplane/\"\t\t\t\t   + \"interfaces-dataplane:address[(../interfaces-dataplane:tagnode =
current()) and contains(., ':')]))\" {\t\t\t\terror-message \"Can't configure unnumbered on interface
without an ipv6 address.\";\t\t\t}\t\t\t}\t\t\tleaf preferred-address {\t\t\t\ttype types:ipv6-
address;\t\t\t\tconfigd:help \"preferred address to use from donor interface\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/preferred-address/configd allowed.pl --donor-
dev=$VAR(../@) --ipv6\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-
dataplane:ip {\t\tcontainer unnumbered {\t\t\tconfigd:help \"Enable unnumbered IP\";\t\t\tconfigd:priority
\"330\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-
vrf-check $VAR(../../@) $VAR(./donor-interface/@@) $VAR(/routing/routing-instance/@@)\";\t\t\tconfigd:end
\"/opt/vyatta/sbin/vyatta-update-unnumbered.pl --dev=$VAR(../../@)\";\t\t\tuses unnumbered-
opts;\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ipv6 {\t\tcontainer
unnumbered {\t\t\tconfigd:help \"Enable unnumbered IPv6\";\t\t\tconfigd:priority
\"330\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-
vrf-check $VAR(../../@) $VAR(./donor-interface/@@) $VAR(/routing/routing-instance/@@)\";\t\t\tconfigd:end
\"/opt/vyatta/sbin/vyatta-update-unnumbered.pl --dev=$VAR(../../@) --ipv6\";\t\t\tuses unnumbered-opts-
ipv6;\t\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-
dataplane:ip {\t\tcontainer unnumbered {\t\t\tconfigd:help \"Enable unnumbered IP\";\t\t\tconfigd:priority
\"330\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-
vrf-check $VAR(../../../@).$VAR(../../@) $VAR(./donor-interface/@@) $VAR(/routing/routing-
instance/@@)\";\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta-update-unnumbered.pl --
dev=$VAR(../../../@).$VAR(../../@)\";\t\t\tuses unnumbered-opts;\t\t}\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ipv6 {\t\tcontainer unnumbered
{\t\t\tconfigd:help \"Enable unnumbered IPv6\";\t\t\tconfigd:priority \"330\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-vrf-check
$VAR(../../../@).$VAR(../../@) $VAR(./donor-interface/@@) $VAR(/routing/routing-
instance/@@)\";\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta-update-unnumbered.pl --
dev=$VAR(../../../@).$VAR(../../@) --ipv6\";\t\t\tuses unnumbered-opts-ipv6;\t\t}\t}}</module<module
name=\"vyatta-protocols-mpls-ldp-v1\" uri=\"urn:vyatta.com:mgmt:vyatta-protocols-mpls-ldp:1\" revision=\"2015-
03-05\" format=\"yang\" length=\"10811\"module vyatta-protocols-mpls-ldp-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-protocols-mpls-ldp:1\";\tprefix protocols-mpls-ldp;\timport configd-v1
{\t\tprefix configd;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-policy-v1 {\t\tprefix
policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-route;\t}\timport vyatta-protocols-v1 {\t\t
prefix protocols;\t}\timport vyatta-protocols-interface-validation-mpls-v1 {\t\tprefix if-
validation;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 IETF Trust and the persons identified\t\tas authors
of the code.  All rights reserved.\t\tRedistribution and use in source and binary forms, with or\t\twithout
modification, is permitted pursuant to, and subject\t\tto the license terms contained in, the Simplified BSD
License\t\tset forth in Section 4.c of the IETF Trust's Legal Provisions\t\tRelating to IETF
Documents\t\t(http://trustee.ietf.org/license-info).\t\tThis version of this YANG module is derived from IETF
Draft\t\tdraft-raza-mpls-ldp-mldp-yang-03.\";\trevision 2015-03-05 {\t\tdescription \"initial
revision\";\t}\t/*\t * Typedefs\t */\ttypedef prefix-list-ref {\t\ttype leafref {\t\t\tpath
\"/policy:policy/policy-route:route/policy-route:prefix-list/policy-route:tagnode\";\t\t}\t\tdescription \"A
type for a reference to a prefix list.\";\t}\t/*\t * Groupings\t */\tgrouping basic-discovery-timers
{\t\tconfigd:help\t\t\t\"Basic discovery timer attributes.\";\t\tleaf hello-holdtime {\t\t\ttype uint16
{\t\t\t\trange 15..3600;\t\t\t}\t\t\tunits seconds;\t\t\tdefault 15;\t\t\tconfigd:help \"LDP link Hello hold
time (seconds)\";\t\t\tdescription\t\t\t\t\"The time interval for which a LDP link Hello adjacency\t\t\t\tis
maintained in the absence of link Hello messages from\t\t\t\tthe LDP neighbor\";\t\t}\t\t\tleaf hello-interval
```

{\t\t\ttype uint16 {\t\t\t\trange 5..1200;\t\t\t}\t\t\tunits seconds;\t\t\tdefault 5;\t\t\tconfigd:help \"LDP link Hello interval (seconds)\";\t\t\tdescription\t\t\t\"The interval between consecutive LDP link Hello messages\t\t\tused in basic LDP discovery\";\t\t}\t} // basic-discovery-timers\tgrouping extended-discovery-timers {\t\tdescription \"Extended discovery timer attributes.\";\t\tuses basic-discovery-timers {\t\t\trefine hello-holdtime {\t\t\t\tdefault 45;\t\t\t}\t\t\trefine hello-interval {\t\t\t\tdefault 15;\t\t\t}\t\t}\t} // extended-discovery-timers\tgrouping graceful-restart-attributes {\t\tdescription \"Graceful restart configuration attributes.\";\t\tcontainer graceful-restart {\t\t\tpresence \"Present to enable graceful-restart.\";\t\t\tconfigd:help \"Attributes for graceful restart.\";\t\t\tleaf helper-enable {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable graceful restart helper mode.\";\t\t\t}\t\t\tleaf reconnect-time {\t\t\t\ttype uint16 {\t\t\t\t\trange 10..1800;\t\t\t\t}\t\t\t\tunits seconds;\t\t\t\tconfigd:help \"Interval until which LDP waits for Peer Restart (seconds)\";\t\t\t\tdescription\t\t\t\t\"Specifies the time interval that the remote LDP peer\t\t\t\tmust wait for the local LDP peer to reconnect after the\t\t\t\tremote peer detects the LDP communication failure.\";\t\t\t}\t\t\tleaf recovery-time {\t\t\t\ttype uint16 {\t\t\t\t\trange 30..3600;\t\t\t\t}\t\t\t\tunits seconds;\t\t\t\tconfigd:help \"Interval until which LDP preserves routes after\t\t\t\t\t\tPeer Restart (seconds)\";\t\t\t\tdescription\t\t\t\t\"Specifies the maximum time that stale label FEC bindings\t\t\t\tare retained.\";\t\t\t}\t\t} // graceful-restart\t} // graceful-restart-attributes\tgrouping neighbor-attributes {\t\tdescription \"Neighbor configuration attributes.\";\t\tleaf session-ka-holdtime {\t\t\ttype uint16 {\t\t\t\trange 30..3600;\t\t\t}\t\t\tunits seconds;\t\t\tdefault 30;\t\t\tconfigd:help \"LDP session keepalive hold time (seconds)\";\t\t\tdescription\t\t\t\"The time interval after which an inactive LDP session\t\t\tterminates and the corresponding TCP session closes.\t\t\tInactivity is defined as not receiving LDP packets from the\t\t\tneighbor.\";\t\t}\t\tleaf session-ka-interval {\t\ttype uint16 {\t\t\trange 10..1200;\t\t}\t\tunits seconds;\t\tdefault 10;\t\tconfigd:help \"LDP session keepalive interval (seconds)\";\t\t\tdescription\t\t\t\"The interval between successive transmissions of keepalive\t\t\tpackets. Keepalive packets are only sent in the absence of\t\t\tother LDP packets transmitted over the LDP session.\";\t\t}\t} // neighbor-attributes\tgrouping neighbor-authentication {\t\tdescription \"Neighbor authentication attributes.\";\t\tleaf md5-password {\t\t\ttype string {\t\t\t\tlength \"1..80\";\t\t\t}\t\t\tconfigd:secret \"true\";\t\t\tconfigd:help \"Assigns an encrypted MD5 password to an LDP neighbor\";\t\t} // md5-password\t} // neighbor-authentication\tgrouping global-attributes {\t\tdescription \"Configuration attributes at global level.\";\t\tuses graceful-restart-attributes;\t} // global-attributes\tgrouping label-policy-advertise-attributes {\t\tcontainer advertise {\t\t\tconfigd:help \"Label advertising policies.\";\t\t\tleaf explicit-null {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Send Explicit Null Label\";\t\t\t\tdescription\t\t\t\t\"Enables an egress router to advertise an\t\t\t\texplicit null label (value 0) in place of an\t\t\t\timplicit null label (value 3) to the\t\t\t\tpenultimate hop router.\";\t\t\t}\t\t\tleaf prefix-list {\t\t\t\ttype prefix-list-ref;\t\t\t\tconfigd:help\t\t\t\t\"Applies the prefix list to outgoing label advertisements.\";\t\t\t}\t\t}\t}\tgrouping policy-attributes {\t\tdescription \"LDP policy attributes.\";\t\tcontainer label-policy {\t\t\tconfigd:help \"Label policy attributes.\";\t\t\tuses label-policy-advertise-attributes;\t\t\tleaf distribution-control-mode {\t\t\t\ttype enumeration {\t\t\t\t\tenum independent {\t\t\t\t\t\tconfigd:help \"Independent label mode.\";\t\t\t\t\t\tdescription \"Enables independent label\t\t\t\t\t\tmode where a label mapping to\t\t\t\t\t\ta FEC is advertised as long\t\t\t\t\t\tas a RIB entry exists for the\t\t\t\t\t\tFEC.\";\t\t\t\t\t}\t\t\t\t\tenum ordered {\t\t\t\t\t\tconfigd:help \"Ordered label mode.\";\t\t\t\t\t\tdescription \"Enables ordered label mode\t\t\t\t\t\twhere a label mapping to a FEC\t\t\t\t\t\tis advertised if this is an\t\t\t\t\t\tegress LSR or a label binding\t\t\t\t\t\tfor the FEC has been received.\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tdefault independent;\t\t\t\tconfigd:help \"Label distribution control mode.\";\t\t\t}\t\t} // distribution-control-mode\t\t} // label-policy\t} // policy-attributes\t/*\t * Configuration data nodes\t */\taugment /protocols:protocols {\t\tdescription \"LDP augmentation.\";\t\tcontainer mpls-ldp {\t\t\tconfigd:priority \"640\";\t\t\tconfigd:help \"MPLS Label Distribution Protocol (LDP)\";\t\t\tconfigd:end \"vyatta-mpls-ldp.pl --proto\";\t\t\tpresence \"Present for MPLS LDP configuration.\";\t\t\tuses global-attributes;\t\t\tleaf lsr-id {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"Router ID.\";\t\t\t}\t\t\tcontainer address-family {\t\t\t\tconfigd:help \"Per-vrf per-af params.\";\t\t\t\tcontainer ipv4 {\t\t\t\t\tconfigd:help\t\t\t\t\t\"IPv4 address family.\";\t\t\t\t\tuses policy-attributes;\t\t\t\t\tleaf transport-address {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tconfigd:help\t\t\t\t\t\t\"The transport address advertised in LDP Hello\t\t\t\t\t\tmessages.\";\t\t\t\t\t}\t\t\t\t}\t\t\t} // ipv4\t\t\t}\t\t\tcontainer discovery {\t\t\t\tconfigd:help \"Neighbor discovery configuration.\";\t\t\t\tcontainer interfaces {\t\t\t\t\tconfigd:help \"A list of interfaces for basic discovery.\";\t\t\t\t\tuses basic-discovery-timers;\t\t\t\t\tmust \"hello-holdtime >= (hello-interval * 3)\" {\t\t\t\t\t\terror-message \"Discovery hello-holdtime must be at least 3x hello-interval.\";\t\t\t\t\t}\t\t\t\t\tlist interface {\t\t\t\t\t\tkey \"interface\";\t\t\t\t\t\tconfigd:help \"List of LDP interfaces.\";\t\t\t\t\t\tconfigd:end \"vyatta-mpls.pl --dev=$VAR(@)\";\t\t\t\t\t\tuses if-validation:interface-mpls;\t\t\t\t\t\tuses basic-discovery-timers;\t\t\t\t\t\tmust \"hello-holdtime >= (hello-interval * 3)\" {\t\t\t\t\t\t\terror-message \"Interface hello-holdtime must be at least 3x hello-interval.\";\t\t\t\t\t\t}\t\t\t\t\t\tuses neighbor-attributes;\t\t\t\t\t\tmust \"session-ka-holdtime >= (session-ka-interval * 3) or \" +\t\t\t\t\t\t\t\"/protocols/mpls-ldp/neighbors/session-ka-holdtime >= (session-ka-interval * 3)\" {\t\t\t\t\t\t\terror-message \"Interface session hello-holdtime must be at least 3x hello-interval.\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf igp-synchronization-delay {\t\t\t\t\t\t\ttype uint16 {\t\t\t\t\t\t\t\trange 3..60;\t\t\t\t\t\t\t}\t\t\t\t\t\t\tunits seconds;\t\t\t\t\t\t\tconfigd:help \"LDP IGP Synchronization delay (seconds)\";\t\t\t\t\t\t\tdescription\t\t\t\t\t\t\t\"Sets the interval that the LDP waits before\t\t\t\t\t\t\t notifying the Interior Gateway Protocol (IGP) that\t\t\t\t\t\t\t label exchange is completed so that IGP can start\t\t\t\t\t\t\t advertising the normal metric for the link.\";\t\t\t\t\t\t}\t\t\t\t\t\tcontainer address-family {\t\t\t\t\t\t\tconfigd:help \"LDP address-family parameters\";\t\t\t\t\t\t\tleaf ipv4 {\t\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\t\tdescription\t\t\t\t\t\t\t\t\"IPv4 address family.\";\t\t\t\t\t\t\t\tconfigd:help\t\t\t\t\t\t\t\t\"Enable IPv4 address family on the interface.\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\t} // list interface\t\t\t\t} // interfaces\t\t\t} // discovery\t\t\tcontainer neighbors {\t\t\t\tconfigd:help \"Neighbors configuration attributes.\";\t\t\t\tlist neighbor {\t\t\t\t\tkey \"lsr-id\";\t\t\t\t\tconfigd:help \"List of neighbors.\";\t\t\t\t\tleaf lsr-id {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tconfigd:help \"List of neighbors.\";\t\t\t\t\t}\t\t\t\t\tuses neighbor-authentication;\t\t\t\t}\t\t\t\tuses neighbor-attributes;\t\t\t\tmust \"session-ka-holdtime >= (session-ka-interval * 3)\" {\t\t\t\t\terror-message \"Session hello-holdtime must be at least 3x hello-interval.\";\t\t\t\t}\t\t\t\tleaf session-downstream-on-demand {\t\t\t\t\tconfigd:help \"Session downstream-on-demand attributes.\";\t\t\t\t\ttype

empty;\t\t\t\t}\t\t\t} // neighbors\t\t\tcontainer log {\t\t\t\tconfigd:help \"LDP logging parameters\";\t\t\t\tleaf dsm {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable LDP DSM logs\";\t\t\t\t}\t\t\t\tleaf events {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable LDP events logs\";\t\t\t\t}\t\t\t\tleaf fsm {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable LDP FSM logs\";\t\t\t\t}\t\t\t\tleaf nsm {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable LDP NSM logs\";\t\t\t\t}\t\t\t\tcontainer packet {\t\t\t\t\tconfigd:help \"LDP packet logs\";\t\t\t\t\tleaf address {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable LDP ls-ack packet logs\";\t\t\t\t\t}\t\t\t\t\tleaf all {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable LDP all packet logs\";\t\t\t\t\t}\t\t\t\t\tleaf hello {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable LDP hello packet logs\";\t\t\t\t\t}\t\t\t\t\tleaf init {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable LDP initialization packet logs\";\t\t\t\t\t}\t\t\t\t\tleaf keepalive {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable LDP keepalive packet logs\";\t\t\t\t\t}\t\t\t\t\tleaf label {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable LDP label packet logs\";\t\t\t\t\t}\t\t\t\t\tleaf notification {\t\t\t\t\t\ttype empty;\t\t\t\t\t\tconfigd:help \"Enable LDP notification packet logs\";\t\t\t\t\t}\t\t\t\t} // packet\t\t\t\tleaf rib {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable LDP RIB logs\";\t\t\t\t}\t\t\t\tleaf usm {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable LDP USM logs\";\t\t\t\t}\t\t\t} // log\t\t } // container ldp\t}}</module<module name=\"vyatta-dhcp-client-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-dhcp-client:1\" revision=\"2015-08-14\" format=\"yang\" length=\"2117\"module vyatta-dhcp-client-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-dhcp-client:1\";\tprefix vyatta-dhcp-client-v1;\timport configd-v1 {\t   prefix configd;\t}\timport vyatta-interfaces-v1 {\t   prefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t   prefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t   prefix interfaces-dataplane;\t}\timport vyatta-interfaces-bonding-v1 {\tprefix interfaces-bonding;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-dhcp-client-v1\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping interface-options {\t\tdescription \"DHCP client interface options\";\t\tleaf no-rfc3442 {\t\t\ttype empty;\t\t\tconfigd:help \"Disable request for RFC3442 classless static routes\";\t\t}\t}\tgrouping dhcp-options {\t\tcontainer dhcp-options {\t\t\tconfigd:help \"DHCP options\";\t\t\tconfigd:end \"dhcp-client-options $VAR(../@)\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dhcp-client-options/configd validate1.cli\";\t\t\tuses interface-options;\t\t}\t}\tgrouping dhcp-options-vif {\t\tcontainer dhcp-options {\t\t\tconfigd:help \"DHCP options\";\t\t\tconfigd:end \"dhcp-client-options $VAR(../../@).$VAR(../@)\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dhcp-client-options/configd validate1.cli\";\t\t\tuses interface-options;\t\t}\t}\taugment /if:interfaces/interfaces-bridge:bridge {\t\tuses dhcp-options;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane {\t\tuses dhcp-options;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif {\t\tuses dhcp-options-vif;\t}\taugment /if:interfaces/interfaces-bonding:bonding {\t\tuses dhcp-options;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif {\t\tuses dhcp-options-vif;\t}}</module<module name=\"vyatta-protocols-ospf-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-ospf:1\" revision=\"2016-07-21\" format=\"yang\" length=\"55898\"module vyatta-protocols-ospf-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-ospf:1\";\tprefix vyatta-protocols-ospf-v1;\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport vyatta-services-v1 {\tprefix service;\t}\timport vyatta-service-snmp-v1 {\tprefix service-snmp;\t}\timport vyatta-types-v1 {\tprefix types;\t}\timport configd-v1 {\tprefix configd;\t}\timport vyatta-interfaces-v1 {\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\tprefix interfaces-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-dataplane-unnumbered-v1 {\tprefix interfaces-dataplane-unnumbered;\t}\timport vyatta-interfaces-l2tpeth-v1 {\tprefix interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\tprefix interfaces-loopback;\t}\timport vyatta-interfaces-openvpn-v1 {\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1 {\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-vti-v1 {\tprefix interfaces-vti;\t}\timport vyatta-interfaces-bonding-v1 {\tprefix interfaces-bonding;\t}\timport vyatta-policy-v1 {\tprefix policy;\t}\timport vyatta-policy-route-v1 {\tprefix policy-route;\t}\timport vyatta-protocols-interface-validation-v1 {\tprefix if-validation;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\tPostal: 130 Holger Way\tSan Jose, CA 95134\tE-mail: support@Brocade.com\tWeb: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module package for vyatta-protocols-ospf-v1\";\trevision 2016-07-21 {\tdescription \"Remove passive-interface[-exclude] validation\t\t\tfor erspan interfaces,\t\t\tFixed backward compatibility issues,\t\t\tAdded validation for area,\t\t\tRenaming of passive-interface and passive-interface-exclude grouping,\t\t\tImproved validation for passive interface CLI,\t\t\tAdding config:secret for md5-key\";\t}\trevision 2016-02-06 {\tdescription \"Conversion of script based validations to direct Yang validations\";\t}\trevision 2016-01-26 {\tdescription \"Yang refactoring - yang grouping is done and new typedefs added\";\t}\trevision 2015-09-30 {\tdescription \"Initial revision of version 1\";\t}\ttypedef metric {\ttype uint32 {\t\trange 0..16777214;\t\t}\t}\ttypedef metric-type {\ttype enumeration {\t\tenum \"1\";\t\tenum \"2\";\t\t}\t}\ttypedef protocol {\ttype enumeration {\t\tenum \"bgp\";\t\tenum \"connected\";\t\tenum \"kernel\";\t\tenum \"rip\";\t\tenum \"static\";\t\t}\t}\ttypedef distance {\t\ttype uint32 {\t\trange 1..255;\t\t}\t}\ttypedef timer-val {\t\ttype uint32 {\t\trange 1..65535;\t\t}\t}\ttypedef cost {\t\ttype uint32 {\t\trange 0..16777214;\t\t}\t}\ttypedef abr-type {\t\ttype enumeration {\t\tenum \"cisco\" {\t\t\tconfigd:help \"Cisco ABR type (default)\";\t\t\tdescription \"Cisco ABR type (default)\";\t\t}\t\t\tenum \"ibm\" {\t\t\tconfigd:help \"IBM ABR type\";\t\t\tdescription \"IBM ABR type\";\t\t}\t\t\tenum \"shortcut\" {\t\t\tconfigd:help \"Shortcut ABR type\";\t\t\tdescription \"Shortcut ABR type\";\t\t}\t\t\tenum \"standard\" {\t\t\tconfigd:help \"Standard ABR type\";\t\t\tdescription \"Standard ABR type\";\t\t}\t\t}\t}\ttypedef network-type {\t\ttype enumeration {\t\tenum \"broadcast\" {\t\t\tconfigd:help \"Broadcast network type\";\t\t\tdescription \"Broadcast network type\";\t\t}\t\t\tenum \"non-broadcast\" {\t\t\tconfigd:help \"Non-broadcast network type\";\t\t\tdescription \"Non-broadcast network type\";\t\t}\t\t\tenum \"point-to-multipoint\" {\t\t\tconfigd:help \"Point-to-multipoint network type\";\t\t\tdescription \"Point-to-multipoint network type\";\t\t}\t\t\tenum \"point-to-point\" {\t\t\tconfigd:help \"Point-to-point network type\";\t\t\tdescription \"Point-to-point network type\";\t\t}\t\t}\t}\ttypedef nssa-translate-role {\t\ttype enumeration {\t\tenum \"always\" {\t\t\tconfigd:help \"NSSA-ABR to always translate\";\t\t\tdescription \"NSSA-ABR to always translate\";\t\t}\t\t\tenum \"candidate\" {\t\t\tconfigd:help \"NSSA-ABR for translate election (default)\";\t\t\tdescription \"NSSA-ABR for

translate election (default)\";\t\t\t}\t\t\tenum \"never\" {\t\t\t\tconfigd:help \"NSSA-ABR do not translate\";\t\t\t\tdescription \"NSSA-ABR do not translate\";\t\t\t}\t\t}\t}\tgrouping parameters-redistribute {\t\tleaf metric-type {\t\t\ttype uint32 {\t\t\t\trange 1..2;\t\t\t}\t\t\tconfigd:help \"Metric type for redistributed routes\";\t\t\tdescription \"Metric type for redistributed routes\";\t\t\tdefault \"2\";\t\t}\t\tleaf route-map {\t\t\ttype leafref {\t\t\t\tpath \"/policy:policy/policy-route:route/policy-route:route-map/policy-route:tagnode\";\t\t\t}\t\t\tconfigd:help \"Route map reference\";\t\t\tdescription \"Route map reference\";\t\t}\t\tleaf metric {\t\t\ttype metric;\t\t\tconfigd:help \"Metric for redistributed routes\";\t\t\tdescription \"Metric for redistributed routes\";\t\t}\t\tleaf tag {\t\t\ttype uint32 {\t\t\t\trange 1..2147483647;\t\t\t}\t\t\tconfigd:help \"Tag for redistributed routes\";\t\t\tdescription \"Tag for redistributed routes\";\t\t}\t}\tgrouping ospf-redistribute {\t\tcontainer redistribute {\t\t\tconfigd:help \"Redistribute information from another routing protocol\";\t\t\tdescription \"Redistribute information from another routing protocol\";\t\t\tcontainer bgp {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Redistribute bgp routes\";\t\t\t\tdescription \"Redistribute bgp routes\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ospf/redistribute/configd_end.cli\";\t\t\t\tuses parameters-redistribute;\t\t\t}\t\t\tcontainer kernel {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Redistribute kernel routes\";\t\t\t\tdescription \"Redistribute kernel routes\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ospf/redistribute/configd_end.cli\";\t\t\t\tuses parameters-redistribute;\t\t\t}\t\t\tcontainer rip {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Redistribute RIPNG routes\";\t\t\t\tdescription \"Redistribute RIPNG routes\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ospf/redistribute/configd_end.cli\";\t\t\t\tuses parameters-redistribute;\t\t\t}\t\t\tcontainer connected {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Redistribute connected routes\";\t\t\t\tdescription \"Redistribute connected routes\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ospf/redistribute/configd_end.cli\";\t\t\t\tuses parameters-redistribute;\t\t\t}\t\t\tcontainer static {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Redistribute static routes\";\t\t\t\tdescription \"Redistribute static routes\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ospf/redistribute/configd_end.cli\";\t\t\t\tuses parameters-redistribute;\t\t\t}\t\t}\t}\tgrouping ospf-parameters {\t\tcontainer parameters {\t\t\tpresence \"true\";\t\t\tconfigd:help \"OSPF specific parameters\";\t\t\tleaf opaque-lsa {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable the Opaque-LSA capability (rfc2370)\";\t\t\t\tdescription \"Enable the Opaque-LSA capability (rfc2370)\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/parameters/opaque-lsa/configd_create.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/parameters/opaque-lsa/configd_delete.cli\";\t\t\t}\t\t\tleaf abr-type {\t\t\t\ttype abr-type;\t\t\t\tconfigd:help \"OSPF ABR type\";\t\t\t\tdescription \"OSPF ABR type\";\t\t\t\tdefault \"cisco\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/parameters/abr-type/configd_update.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/parameters/abr-type/configd_delete.cli\";\t\t\t}\t\t\tleaf router-id {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"Override the default router identifier\";\t\t\t\tdescription \"Override the default router identifier\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/parameters/router-id/configd_create.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/parameters/router-id/configd_delete.cli\";\t\t\t\tmust \"(current() != '0.0.0.0')\" {\t\t\t\t\terror-message \"Invalid Router-ID\";\t\t\t\t}\t\t\t}\t\t\tleaf rfc1583-compatibility {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable rfc1583 criteria for handling AS external routes\";\t\t\t\tdescription \"Enable rfc1583 criteria for handling AS external routes\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/parameters/rfc1583-compatibility/configd_create.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/parameters/rfc1583-compatibility/configd_delete.cli\";\t\t\t}\t\t}\t}\tgrouping ospf-distribute-list {\t\tlist distribute-list {\t\t\tconfigd:help \"Access list to filter networks in routing updates\";\t\t\tdescription \"Access list to filter networks in routing updates\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/protocols/ospf/distribute-list/configd_syntax1.cli\";\t\t\t\t}\t\t\t\tconfigd:help \"Access list number must be \t\t\t\t\t<1-99>\\tIP standard access list\t\t\t\t\t<100-199>\\tIP extended access list\t\t\t\t\t<1300-1999>\\tIP standard access list (expanded range)\t\t\t\t\t<2000-2699>\\tIP extended access list (expanded range)\";\t\t\t\tdescription \"Access list number must be \t\t\t\t\t<1-99>\\tIP standard access list\t\t\t\t\t<100-199>\\tIP extended access list\t\t\t\t\t<1300-1999>\\tIP standard access list (expanded range)\t\t\t\t\t<2000-2699>\\tIP extended access list (expanded range)\";\t\t\t}\t\t\tleaf-list export {\t\t\t\ttype protocol;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Filter for outgoing routing updates [REQUIRED]\";\t\t\t\tdescription \"Filter for outgoing routing updates [REQUIRED]\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/distribute-list/export/configd_create.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/distribute-list/export/configd_delete.cli\";\t\t\t}\t\t\tleaf import {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Filter for incoming routing updates\";\t\t\t\tdescription \"Filter for incoming routing updates\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/distribute-list/import/configd_create.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/distribute-list/import/configd_delete.cli\";\t\t\t}\t\t}\t}\tgrouping ospf-generic-parameters {\t\tleaf default-metric {\t\t\ttype uint32 {\t\t\t\trange 1..16777214;\t\t\t}\t\t\tconfigd:help \"Metric of redistributed routes\";\t\t\tdescription \"Metric of redistributed routes\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/default-metric/configd_create.cli\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/default-metric/configd_delete.cli\";\t\t}\t\tcontainer refresh {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Adjust refresh parameters\";\t\t\tdescription \"Adjust refresh parameters\";\t\t\tleaf timers {\t\t\t\ttype uint32 {\t\t\t\t\trange 10..1800;\t\t\t\t}\t\t\t\tconfigd:help \"Refresh timer\";\t\t\t\tdescription \"Refresh timer\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/refresh/timers/configd_update.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/refresh/timers/configd_delete.cli\";\t\t\t}\t\t}\t}\tgrouping ospf-auto-cost {\t\tcontainer auto-cost {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Calculate OSPF interface cost according to bandwidth\";\t\t\tdescription \"Calculate OSPF interface cost according to bandwidth\";\t\t\tleaf reference-bandwidth {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..4294967;\t\t\t\t}\t\t\t\tconfigd:help \"Reference bandwidth method to assign OSPF

```
cost\";\t\t\t\tdescription \"Reference bandwidth method to assign OSPF cost\";\t\t\t\tdefault
\"100\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/auto-cost/reference-
bandwidth/configd update.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/auto-
cost/reference-bandwidth/configd delete.cli\";\t\t\t}\t\t}\t}\tgrouping ospf-neighbor {\t\tlist neighbor
{\t\t\tconfigd:help \"Neighbor IP address\";\t\t\tdescription \"Neighbor IP address\";\t\t\tconfigd:begin
\"/opt/vyatta/share/tmplscripts/protocols/ospf/neighbor/configd_begin.cli\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/neighbor/configd_delete.cli\";\t\t\tkey \"tagnode\";\t\t\tleaf
tagnode {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"Neighbor IP address\";\t\t\t\tdescription
\"Neighbor IP address\";\t\t\t}\t\t\tleaf priority {\t\t\t\ttype uint32 {\t\t\t\t\trange
0..255;\t\t\t\t\t}\t\t\t\tconfigd:help \"Neighbor priority in seconds\";\t\t\t\tdescription \"Neighbor priority
in seconds\";\t\t\t\tdefault \"0\";\t\t\t}\t\t\tleaf poll-interval {\t\t\t\ttype timer-
val;\t\t\t\tconfigd:help \"Dead neighbor polling interval\";\t\t\t\tdescription \"Dead neighbor polling
interval\";\t\t\t\tdefault \"120\";\t\t\t}\t\t}\t}\tgrouping ospf-distance {\t\tcontainer distance
{\t\t\tpresence \"true\";\t\t\tconfigd:help \"Administrative distance\";\t\t\tdescription \"Administrative
distance\";\t\t\tleaf global {\t\t\t\ttype distance;\t\t\t\tconfigd:help \"OSPF administrative
distance\";\t\t\t\tdescription \"OSPF administrative distance\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/global/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/global/configd_delete.cli\";\t\t\t}\t\t\tcontainer
ospf {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"OSPF administrative distance\";\t\t\t\tdescription
\"OSPF administrative distance\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/ospf/configd delete.cli\";\t\t\t\tleaf external
{\t\t\t\t\ttype distance;\t\t\t\t\tconfigd:help \"Distance for external routes\";\t\t\t\t\tdescription
\"Distance for external routes\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/ospf/external/configd_create.cli\";\t\t\t\t\tconfigd:
delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/ospf/external/configd delete.cli\";\t\t\t\t}\t\t\t\tl
eaf inter-area {\t\t\t\t\ttype distance;\t\t\t\t\tconfigd:help \"Distance for inter-area
routes\";\t\t\t\t\tdescription \"Distance for inter-area routes\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/ospf/inter-
area/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/ospf/inter-
area/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf intra-area {\t\t\t\t\ttype distance;\t\t\t\t\tconfigd:help
\"Distance for intra-area routes\";\t\t\t\t\tdescription \"Distance for intra-area
routes\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/ospf/intra-
area/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/distance/ospf/intra-
area/configd delete.cli\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping ospf-summary-address {\t\tlist summary-address
{\t\t\tconfigd:help \"Summary network and mask\";\t\t\tdescription \"Summary network and
mask\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/summary-
address/configd_create.cli\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\ttype types:ipv4-
prefix;\t\t\t\tconfigd:help \"Summary network and mask\";\t\t\t\tdescription \"Summary network and
mask\";\t\t\t}\t\t\tcontainer advertise {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Summary address to
be advertised.\";\t\t\t\tdescription \"Summary address to be advertised.\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/summary-
address/advertise/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/summary-address/advertise/configd_delete.cli\";\t\t\t\tleaf
tag {\t\t\t\t\ttype uint32;\t\t\t\t\tconfigd:help \"OSPF tag identifier for summary
address.\";\t\t\t\t\tdescription \"OSPF tag identifier for summary address.\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/summary-
address/advertise/tag/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/summary-
address/advertise/tag/configd delete.cli\";\t\t\t\t}\t\t\t\tmust \"not(../not-advertise)\" {\t\t\t\t\terror-
message \"Can't configure both advertise and not-advertise for summary-address\";\t\t\t\t}\t\t\t}\t\t\tleaf
not-advertise {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Summary address which shouldn't be
advertised.\";\t\t\t\tdescription \"Summary address which shouldn't be advertised.\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/summary-address/not-
advertise/configd_create.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/summary-
address/not-advertise/configd delete.cli\";\t\t\t\tmust \"not(../advertise)\" {\t\t\t\t\terror-message
\"Can't configure both advertise and not-advertise for summary-address\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping
ospf-default-information {\t\tcontainer default-information {\t\t\tconfigd:help \"Control distribution of
default information\";\t\t\tdescription \"Control distribution of default information\";\t\t\tcontainer
originate {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Distribute a default route\";\t\t\t\tdescription
\"Distribute a default route\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/protocols/ospf/default-
information/originate/configd end.cli\";\t\t\t\tleaf metric-type {\t\t\t\t\ttype metric-
type;\t\t\t\t\tdefault \"2\";\t\t\t\t\tconfigd:help \"OSPF metric type for default
routes\";\t\t\t\t\tdescription \"OSPF metric type for default routes\";\t\t\t\t}\t\t\t\tleaf always
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Always advertise default route\";\t\t\t\t\tdescription
\"Always advertise default route\";\t\t\t\t}\t\t\t\tleaf route-map {\t\t\t\t\ttype leafref {\t\t\t\t\t\tpath
\"/policy:policy/policy-route:route/policy-route:route-map/policy-
route:tagnode\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Route map reference\";\t\t\t\t\tdescription \"Route map
reference\";\t\t\t\t}\t\t\t\tleaf metric {\t\t\t\t\ttype metric;\t\t\t\t\tconfigd:help \"OSPF default
metric\";\t\t\t\t\tdescription \"OSPF default metric\";\t\t\t\t}\t\t\t}\t\t}\t}\tgrouping ospf-authentication
{\t\tcontainer authentication {\t\t\tpresence \"true\";\t\t\tconfigd:help \"OSPF area or interface
Authentication\";\t\t\tdescription \"OSPF area or interface Authentication\";\t\t\tleaf plaintext-password
{\t\t\ttype string {\t\t\t\ttlength \"1..8\";\t\t\t\t\tpattern '[^\\t\\n\\r ]+' {\t\t\t\t\t\terror-message
\"Plain-text key should not contain whitespace characters\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:secret
\"true\";\t\t\t\tconfigd:help \"Plain text password\";\t\t\t\tdescription \"Plain text
password\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-
link/authentication/plaintext-password/configd_update.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/authentication/plaintext-
password/configd delete.cli\";\t\t\t}\t\t\tleaf plaintext {\t\t\ttype empty;\t\t\t\tconfigd:help \"Plain
text authentication\";\t\t\t\tdescription \"Plain text authentication\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-
link/authentication/plaintext/configd_update.cli\";\t\t\t\tconfigd:delete
```

```
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-
link/authentication/plaintext/configd delete.cli\";\t\t\t}\t\t\tleaf md5 {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"MD5 key id\";\t\t\t\tdescription \"MD5 key id\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-
link/authentication/md5/configd_update.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-
link/authentication/md5/configd_delete.cli\";\t\t\t}\t\t\tlist md5-key-id {\t\t\t\tconfigd:help \"MD5 key
id\";\t\t\t\tdescription \"MD5 key id\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype uint32
{\t\t\t\t\trange 1..255;\t\t\t\t}\t\t\t\tconfigd:help \"MD5 key id\";\t\t\t\tdescription \"MD5 key
id\";\t\t\t\t}\t\t\t\tleaf md5-key {\t\t\t\tmandatory true;\t\t\t\ttype string {\t\t\t\t\tlength
\"1..16\";\t\t\t\t\tpattern '[^\\t\\n\\r ]+' {\t\t\t\t\t\terror-message \"MD5 key should not contain
whitespace characters\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:secret \"true\";\t\t\t\tconfigd:help
\"MD5 key\";\t\t\t\tdescription \"MD5 key\";\t\t\t}\t\t}\t}\tgrouping ospf-timers {\t\tleaf dead-
interval {\t\t\ttype timer-val;\t\t\tconfigd:help \"Interval after which a neighbor is declared
dead\";\t\t\tdescription \"Interval after which a neighbor is declared dead\";\t\t\tdefault
\"40\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/dead-
interval/configd_update.cli\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/dead-
interval/configd_delete.cli\";\t\t}\t\tleaf hello-interval {\t\t\ttype timer-val;\t\t\tconfigd:help
\"Interval between hello packets\";\t\t\tdescription \"Interval between hello packets\";\t\t\tdefault
\"10\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/hello-
interval/configd_update.cli\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/hello-
interval/configd_delete.cli\";\t\t}\t\tleaf retransmit-interval {\t\t\ttype timer-val;\t\t\tconfigd:help
\"Interval between retransmitting lost link state advertisements\";\t\t\tdescription \"Interval between
retransmitting lost link state advertisements\";\t\t\tdefault \"5\";\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/retransmit-
interval/configd_update.cli\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/retransmit-
interval/configd_delete.cli\";\t\t}\t\tleaf transmit-delay {\t\t\ttype timer-val;\t\t\tconfigd:help \"Link
state transmit delay\";\t\t\tdescription \"Link state transmit delay\";\t\t\tdefault
\"1\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/transmit-
delay/configd_update.cli\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-
link/transmit-delay/configd_delete.cli\";\t\t}\t}\tgrouping ospf-stub {\t\tcontainer stub {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"Stub OSPF area\";\t\t\tdescription \"Stub OSPF area\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/stub/configd create.cli\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/stub/configd end.cli\";\t\t\tleaf default-cost
{\t\t\t\ttype cost;\t\t\tconfigd:help \"Summary-default cost of stub area\";\t\t\tdescription \"Summary-
default cost of stub area\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-
type/stub/default-cost/configd_create.cli\";\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/stub/default-
cost/configd update.cli\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-
type/stub/default-cost/configd delete.cli\";\t\t}\t\t\tleaf no-summary {\t\t\t\ttype
empty;\t\t\tconfigd:help \"Do not inject inter-area routes into stub\";\t\t\tdescription \"Do not inject
inter-area routes into stub\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/stub/no-
summary/configd create.cli\";\t\t\t}\t\t}\t}\tgrouping ospf-nssa {\t\tcontainer nssa {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"Nssa OSPF area\";\t\t\tdescription \"Nssa OSPF area\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/nssa/configd_create.cli\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/nssa/configd_delete.cli\";\t\t\tleaf default-
cost {\t\t\t\ttype cost;\t\t\tconfigd:help \"Summary-default cost of nssa area\";\t\t\tdescription
\"Summary-default cost of nssa area\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/nssa/default-
cost/configd create.cli\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-
type/nssa/default-cost/configd_update.cli\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/nssa/default-
cost/configd_delete.cli\";\t\t\t}\t\t\tcontainer default-information-originate {\t\t\tpresence
\"true\";\t\t\tconfigd:help \"Distribute a default route into an NSSA area\";\t\t\tdescription
\"Distribute a default route into an NSSA area\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/nssa/default-information-
originate/configd_end.cli\";\t\t\tleaf metric-type {\t\t\t\ttype metric-type;\t\t\t\tconfigd:help
\"OSPF metric type for default routes\";\t\t\t\tdescription \"OSPF metric type for default
routes\";\t\t\t}\t\t\tleaf metric {\t\t\t\ttype metric;\t\t\t\tconfigd:help \"OSPF default
metric\";\t\t\t\tdescription \"OSPF default metric\";\t\t\t}\t\t\tleaf route-map {\t\t\t\ttype
leafref {\t\t\t\t\tpath \"/policy:policy/policy-route/policy-route:route-map/policy-
route:tagnode\";\t\t\t\t}\t\t\t\tconfigd:help \"Route map\";\t\t\t\tdescription \"Route
map\";\t\t\t}\t\t}\t\t\tleaf translate {\t\t\t\ttype nssa-translate-role;\t\t\tconfigd:help \"Nssa-
abr\";\t\t\t\tdescription \"Nssa-abr\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-
type/nssa/translate/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-
type/nssa/translate/configd_delete.cli\";\t\t\t}\t\t\tleaf no-summary {\t\t\t\ttype
empty;\t\t\t\tconfigd:help \"Do not inject inter-area routes into stub\";\t\t\t\tdescription \"Do not inject
inter-area routes into stub\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-type/nssa/no-
summary/configd create.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/area-
type/nssa/no-summary/configd delete.cli\";\t\t\t}\t\t}\t}\tgrouping ospf-area {\t\tlist area
{\t\t\tconfigd:help \"OSPF Area\";\t\t\tdescription \"OSPF Area\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode
{\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\ttype uint32;\t\t\t\t}\t\t\t\tconfigd:help
\"OSPF Area\";\t\t\t\tdescription \"OSPF Area\";\t\t\t}\t\t\tmust \"not((virtual-link or area-type/*) and
((tagnode = '0') or (tagnode = '0.0.0.0')))\" {\t\t\t\terror-message \"Cannot configure area 0 (0.0.0.0) with
virtual link, nor as nssa or stub area type\";\t\t\t}\t\t\tmust \"(count(area-type/* | virtual-link) <= 1) or
(count(area-type/*) = 0)\" {\t\t\t\terror-message \"Can only specify one of nssa, stub, or virtual-
link\";\t\t\t}\t\t\tleaf authentication {\t\t\t\ttype enumeration {\t\t\t\t\tenum \"plaintext\"
```

```
{\t\t\t\t\tconfigd:help \"Use plain-text authentication\";\t\t\t\t\tdescription \"Use plain-text
authentication\";\t\t\t\t\t}\t\t\t\t\tenum \"md5\" {\t\t\t\t\tconfigd:help \"Use md5
authentication\";\t\t\t\t\tdescription \"Use md5 authentication\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help
\"OSPF area authentication type\";\t\t\t\tdescription \"OSPF area authentication
type\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/authentication/configd_allowed.sh\";\t\t\t\tconfigd:updat
e
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/authentication/configd update.cli\";\t\t\t\tconfigd:delet
e \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/authentication/configd delete.cli\";\t\t\t}\t\t\tlist
virtual-link {\t\t\t\tconfigd:help \"Virtual link\";\t\t\t\tdescription \"Virtual
link\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-
link/configd_create.cli\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-
link/configd delete.cli\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\tconfigd:help \"Virtual link\";\t\t\t\t\tdescription \"Virtual link\";\t\t\t\t}\t\t\t\tuses
ospf-authentication {\t\t\t\trefine authentication/md5-key-id {\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/authentication/md5-key-
id/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/virtual-link/authentication/md5-key-
id/configd_delete.cli\";\t\t\t\t}\t\t\t\trefine authentication/plaintext-password {\t\t\t\t\tmust
\"not(../md5)\" {\t\t\t\t\terror-message \"md5 password is already
set\";\t\t\t\t}\t\t\t\t}\t\t\t\trefine authentication/plaintext {\t\t\t\t\tmust \"not(../md5)\"
{\t\t\t\t\terror-message \"md5 password is already set\";\t\t\t\t}\t\t\t\t}\t\t\t\trefine
authentication/md5 {\t\t\t\t\tmust \"not(../plaintext-password)\" {\t\t\t\t\terror-message \"plaintext-
password is already set\";\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\t\tuses ospf-timers;\t\t\t}\t\t\tcontainer
area-type {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Area type\";\t\t\t\tdescription \"Area
type\";\t\t\t\tuses ospf-stub;\t\t\t\tuses ospf-nssa;\t\t\t}\t\t\tleaf shortcut {\t\t\t\ttype enumeration
{\t\t\t\t\tenum \"default\" {\t\t\t\t\tconfigd:help \"Set default; \";\t\t\t\t\tdescription \"Set
default; \";\t\t\t\t}\t\t\t\t\tenum \"disable\" {\t\t\t\t\tconfigd:help \"Disable shortcutting mode;
\";\t\t\t\t\tdescription \"Disable shortcutting mode; \";\t\t\t\t}\t\t\t\t\tenum \"enable\"
{\t\t\t\t\tconfigd:help \"Enable shortcutting mode; \";\t\t\t\t\tdescription \"Enable shortcutting mode;
\";\t\t\t\t}\t\t\t}\t\t\t\tconfigd:help \"Area's shortcut mode\";\t\t\t\tdescription \"Area's shortcut
mode\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/shortcut/configd_allowed.sh\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/shortcut/configd_update.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/shortcut/configd delete.cli\";\t\t\t}\t\t\tlist range
{\t\t\t\tconfigd:help \"Summarize routes matching prefix (border routers only)\";\t\t\t\tdescription
\"Summarize routes matching prefix (border routers only)\";\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/range/configd end.cli\";\t\t\t\tkey
\"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\tconfigd:normalize \"normalize
ipv4-prefix\";\t\t\t\t}\t\t\t\t\tconfigd:help \"Summarize routes matching prefix (border routers
only)\";\t\t\t\t\tdescription \"Summarize routes matching prefix (border routers
only)\";\t\t\t\t}\t\t\t\tleaf not-advertise {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Do not advertise
this range\";\t\t\t\t\tdescription \"Do not advertise this range\";\t\t\t\t}\t\t\t\tleaf-list network
{\t\t\t\ttype types:ipv4-prefix {\t\t\t\t\tconfigd:normalize \"normalize ipv4-
prefix\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"OSPF network
[REQUIRED]\";\t\t\t\tdescription \"OSPF network [REQUIRED]\";\t\t\t\tmust \"count(../../area[network =
current()]) <= 1\" {\t\t\t\t\terror-message \"Network enabled in another
area\";\t\t\t\t}\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/network/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/area/network/configd_delete.cli\";\t\t\t}\t\t}\t}\tgrouping
ospf-overflow {\t\tcontainer overflow {\t\t\tconfigd:help \"Configure OSPF Overflow handling
capabilities.\";\t\t\tdescription \"Configure OSPF Overflow handling capabilities.\";\t\t\tcontainer database
{\t\t\t\tconfigd:help \"configure type of ospf overflow protection\";\t\t\t\tdescription \"configure type of
ospf overflow protection\";\t\t\t\tcontainer hard {\t\t\t\t\tconfigd:help \"Hard limit on number of LSAs,
instance will shut down if limit exceeded\";\t\t\t\t\tdescription \"Hard limit on number of LSAs, instance
will shut down if limit exceeded\";\t\t\t\t\tleaf limit {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\ttrange
0..4294967294;\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Max LSAs in database.\";\t\t\t\t\t\tdescription \"Max
LSAs in database.\";\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospf/overflow/database/hard/limit/configd update.cli\";\t\t\t\t\t\t
configd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/overflow/database/hard/limit/configd_delete.cli\";\t\t\t\t\t}\
t\t\t\t\tmust \"not(../soft/limit)\" {\t\t\t\t\t\terror-message \"You cannot configure both a soft limit and
hard limit concurrently. Please deconfigure one.\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer external
{\t\t\t\t\tpresence \"true\";\t\t\t\t\tconfigd:help \"Max AS-External LSAs in
database.\";\t\t\t\t\tdescription \"Max AS-External LSAs in database.\";\t\t\t\tlist limit
{\t\t\t\t\t\tconfigd:help \"Max LSAs in database.\";\t\t\t\t\t\tdescription \"Max LSAs in
database.\";\t\t\t\t\t\tmax-elements \"1\";\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\tleaf tagnode
{\t\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\t\ttrange 0..2147483647;\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help
\"Max LSAs in database.\";\t\t\t\t\t\t\tdescription \"Max LSAs in database.\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf
recovery {\t\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\t\ttrange 0..65535;\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help
\"Time to recover (0 implies no recovery)\";\t\t\t\t\t\t\tdescription \"Time to recover (0 implies no
recovery)\";\t\t\t\t\t\t\tdefault \"0\";\t\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospf/overflow/database/external/limit/recovery/configd_update.cli\"
;\t\t\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/overflow/database/external/limit/recovery/configd delete.cli\"
;\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer soft {\t\t\t\t\tconfigd:help \"Soft limit on number of
LSAs in database, will warn if exceeded\";\t\t\t\t\tdescription \"Soft limit on number of LSAs in database,
will warn if exceeded\";\t\t\t\t\tleaf limit {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\ttrange
0..4294967294;\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Max LSAs in database.\";\t\t\t\t\t\tdescription \"Max
LSAs in database.\";\t\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/protocols/ospf/overflow/database/soft/limit/configd update.cli\";\t\t\t\t\t\t
configd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/overflow/database/soft/limit/configd_delete.cli\";\t\t\t\t\t}\
t\t\t\t\tmust \"not(../hard/limit)\" {\t\t\t\t\t\terror-message \"Please unconfigure hard limit
```

```
first\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\t}\t}\tgrouping ospf-debug-parameters {\t\tcontainer log
{\t\t\tconfigd:help \"OSPF logging parameters\";\t\t\tdescription \"OSPF logging parameters\";\t\t\tleaf all
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable all OSPF logs\";\t\t\t\tdescription \"Enable all OSPF
logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/configd_delete.cli\";\t\t\t}\t\t\tcontainer rib
{\t\t\t\tconfigd:help \"OSPF rib logs\";\t\t\t\tdescription \"OSPF rib logs\";\t\t\t\tleaf all
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF rib all logs\";\t\t\t\t\tdescription \"Enable OSPF
rib all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/rib/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/rib/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf interface
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF rib interface logs\";\t\t\t\t\tdescription
\"Enable OSPF rib interface logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/rib/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/rib/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf
redistribute {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF rib redistribute
logs\";\t\t\t\t\tdescription \"Enable OSPF rib redistribute logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/rib/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/rib/configd_delete.cli\";\t\t\t\t}\t\t\t}\t\t\tcontainer
nsm {\t\t\tconfigd:help \"OSPF nsm logs\";\t\t\tdescription \"OSPF nsm logs\";\t\t\tleaf all
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF nsm all logs\";\t\t\t\tdescription \"Enable OSPF
nsm all logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nsm/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nsm/configd_delete.cli\";\t\t\t}\t\t\tleaf interface
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF nsm interface logs\";\t\t\t\tdescription
\"Enable OSPF nsm interface logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nsm/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nsm/configd_delete.cli\";\t\t\t}\t\t\tleaf
redistribute {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF nsm redistribute
logs\";\t\t\t\tdescription \"Enable OSPF nsm redistribute logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nsm/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nsm/configd delete.cli\";\t\t\t}\t\t\t}\t\t\tcontainer
events {\t\t\tconfigd:help \"OSPF event logs\";\t\t\tdescription \"OSPF event logs\";\t\t\tleaf all
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF events all logs\";\t\t\t\tdescription \"Enable
OSPF events all logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd delete.cli\";\t\t\t}\t\t\tleaf abr
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF events abr logs\";\t\t\t\tdescription \"Enable
OSPF events abr logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd delete.cli\";\t\t\t}\t\t\tleaf asbr
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF events asbr logs\";\t\t\t\tdescription \"Enable
OSPF events asbr logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd_delete.cli\";\t\t\t}\t\t\tleaf lsa
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF events lsa logs\";\t\t\t\tdescription \"Enable
OSPF events lsa logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd_delete.cli\";\t\t\t}\t\t\tleaf nssa
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF events nssa logs\";\t\t\t\tdescription \"Enable
OSPF events nssa logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd delete.cli\";\t\t\t}\t\t\tleaf os
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF events os logs\";\t\t\t\tdescription \"Enable
OSPF events os logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd_delete.cli\";\t\t\t}\t\t\tleaf router
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF events router logs\";\t\t\t\tdescription
\"Enable OSPF events router logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd_delete.cli\";\t\t\t}\t\t\tleaf vlink
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF events vlink logs\";\t\t\t\tdescription \"Enable
OSPF events vlink logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/events/configd delete.cli\";\t\t\t}\t\t}\t\t\tcontaine
r ifsm {\t\t\tconfigd:help \"OSPF ifsm logs\";\t\t\tdescription \"OSPF ifsm logs\";\t\t\tleaf all
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF ifsm all logs\";\t\t\t\tdescription \"Enable
OSPF ifsm all logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/ifsm/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/ifsm/configd delete.cli\";\t\t\t}\t\t\tleaf events
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF ifsm events logs\";\t\t\t\tdescription \"Enable
OSPF ifsm events logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/ifsm/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/ifsm/configd_delete.cli\";\t\t\t}\t\t\tleaf status
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF ifsm status logs\";\t\t\t\tdescription \"Enable
OSPF ifsm status logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/ifsm/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/ifsm/configd_delete.cli\";\t\t\t}\t\t\tleaf timers
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF ifsm timers logs\";\t\t\t\tdescription \"Enable
OSPF ifsm timers logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/ifsm/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/ifsm/configd delete.cli\";\t\t\t}\t\t}\t\t\tcontainer
lsa {\t\t\tconfigd:help \"OSPF lsa logs\";\t\t\tdescription \"OSPF lsa logs\";\t\t\tleaf all
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF lsa all logs\";\t\t\t\tdescription \"Enable OSPF
```

```
lsa all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf flooding
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF lsa flooding logs\";\t\t\t\t\tdescription \"Enable
OSPF lsa flooding logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf generate
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF lsa generate logs\";\t\t\t\t\tdescription \"Enable
OSPF lsa generate logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf install
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF lsa install logs\";\t\t\t\t\tdescription \"Enable
OSPF lsa install logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf maxage
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF lsa maxage logs\";\t\t\t\t\tdescription \"Enable
OSPF lsa maxage logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf refresh
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF lsa refresh logs\";\t\t\t\t\tdescription \"Enable
OSPF lsa refresh logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/lsa/configd_delete.cli\";\t\t\t\t}\t\t\t}\t\t\tcontainer
nfsm {\t\t\t\tconfigd:help \"OSPF nfsm logs\";\t\t\t\tdescription \"OSPF nfsm logs\";\t\t\t\tleaf all
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF nfsm all logs\";\t\t\t\t\tdescription \"Enable
OSPF nfsm all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nfsm/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nfsm/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf events
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF nfsm events logs\";\t\t\t\t\tdescription \"Enable
OSPF nfsm events logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nfsm/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nfsm/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf status
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF nfsm status logs\";\t\t\t\t\tdescription \"Enable
OSPF nfsm status logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nfsm/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nfsm/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf timers
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF nfsm timers logs\";\t\t\t\t\tdescription \"Enable
OSPF nfsm timers logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nfsm/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/nfsm/configd_delete.cli\";\t\t\t\t}\t\t\t}\t\t\tcontainer
route {\t\t\t\tconfigd:help \"OSPF route logs\";\t\t\t\tdescription \"OSPF route logs\";\t\t\t\tleaf all
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF route all logs\";\t\t\t\t\tdescription \"Enable
OSPF route all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf ase
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF route ase logs\";\t\t\t\t\tdescription \"Enable
OSPF route ase logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf ia
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF route ia logs\";\t\t\t\t\tdescription \"Enable
OSPF route ia logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf install
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF route install logs\";\t\t\t\t\tdescription
\"Enable OSPF route install logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf spf
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF route spf logs\";\t\t\t\t\tdescription \"Enable
OSPF route spf logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/route/configd_delete.cli\";\t\t\t\t}\t\t\t}\t\t\tcontainer
packet {\t\t\t\tconfigd:help \"OSPF packet logs\";\t\t\t\tdescription \"OSPF packet logs\";\t\t\t\tleaf all
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF packet all logs\";\t\t\t\t\tdescription \"Enable
OSPF packet all logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf dd
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF packet dd logs\";\t\t\t\t\tdescription \"Enable
OSPF packet dd logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf detail
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF packet detail logs\";\t\t\t\t\tdescription
\"Enable OSPF packet detail logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd_create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf hello
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF packet hello logs\";\t\t\t\t\tdescription \"Enable
OSPF packet hello logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd_delete.cli\";\t\t\t\t}\t\t\t\tleaf ls-ack
{\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF packet ls-ack logs\";\t\t\t\t\tdescription
\"Enable OSPF packet ls-ack logs\";\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd create.cli\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf ls-
request {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF packet ls-request
logs\";\t\t\t\t\tdescription \"Enable OSPF packet ls-request logs\";\t\t\t\t\tconfigd:create
```

```
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd delete.cli\";\t\t\t\t}\t\t\t\tleaf ls-
update {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Enable OSPF packet ls-update
logs\";\t\t\t\tdescription \"Enable OSPF packet ls-update logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd_delete.cli\";\t\t\t}\t\t\t\tleaf send
{\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF packet send logs\";\t\t\t\tdescription \"Enable
OSPF packet send logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd delete.cli\";\t\t\t}\t\t\t\tleaf recv
{\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable OSPF packet recv logs\";\t\t\t\tdescription \"Enable
OSPF packet recv logs\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd_create.cli\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/protocols/ospf/log/packet/configd delete.cli\";\t\t\t}\t\t\t}\t\t}\t}\tgrou
ping ospf-parameters-all {\t\tuses ospf-distribute-list;\t\tuses ospf-generic-parameters;\t\tuses ospf-auto-
cost;\t\tuses ospf-neighbor;\t\tuses ospf-redistribute;\t\tuses ospf-distance;\t\tuses ospf-summary-
address;\t\tuses ospf-default-information;\t\tuses ospf-area;\t\tuses ospf-overflow;\t}\tgrouping itf-ip-ospf
{\t\tcontainer ospf {\t\t\tconfigd:help \"Open Shortest Path First (OSPF) parameters\";\t\t\tdescription
\"Open Shortest Path First (OSPF) parameters\";\t\t\tpresence \"true\";\t\t\tmust \"not(../interfaces-
dataplane-unnumbered:unnumbered) or ( network = 'point-to-point')\" {\t\t\terror-message \"OSPF network
type should be configured as point-to-point for unnumbered interfaces\";\t\t\t}\t\t\tleaf priority
{\t\t\t\ttype uint32 {\t\t\t\t\trange 0..255;\t\t\t\t}\t\t\t\tconfigd:help \"Router
priority\";\t\t\t\tdescription \"Router priority\";\t\t\t\tdefault \"1\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/priority/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/priority/configd delete.sh\";\t\t\t}\t\t\tuses ospf-
authentication {\t\t\t\trefine  authentication/plaintext-password {\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/plaintext-
password/configd_update.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/plaintext-
password/configd_delete.sh\";\t\t\t\t}\t\t\t\trefine authentication/plaintext {\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/plaintext/configd update.sh\";\t\t\t\t\
tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/plaintext/configd_delete.sh\";\t\t\t\t}
\t\t\t\trefine  authentication/md5 {\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/md5/configd create.sh\";\t\t\t\t\tconfi
gd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/md5/configd delete.sh\";\t\t\t\t}\t\t\t
\trefine authentication/md5-key-id/md5-key {\t\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/md5-key-id/md5-
key/configd_create.sh\";\t\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/md5-key-id/md5-
key/configd update.sh\";\t\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/authentication/md5-key-id/md5-
key/configd delete.sh\";\t\t\t\t}\t\t\t}\t\t\tleaf mtu-ignore {\t\t\t\ttype empty;\t\t\t\tconfigd:help
\"Disable Maximum Transmission Unit (MTU) mismatch detection\";\t\t\t\tdescription \"Disable Maximum
Transmission Unit (MTU) mismatch detection\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/mtu-ignore/configd create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/mtu-ignore/configd delete.sh\";\t\t\t}\t\t\tleaf dead-
interval {\t\t\t\ttype timer-val;\t\t\t\tconfigd:help \"Interval after which neighbor is
dead\";\t\t\t\tdescription \"Interval after which neighbor is dead\";\t\t\t\tdefault
\"40\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/dead-
interval/configd update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/dead-interval/configd delete.sh\";\t\t\t}\t\t\tleaf
hello-interval {\t\t\t\ttype timer-val;\t\t\t\tconfigd:help \"Interval between hello
packets\";\t\t\t\tdescription \"Interval between hello packets\";\t\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/hello-
interval/configd_create.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/hello-interval/configd delete.sh\";\t\t\t}\t\t\tleaf
retransmit-interval {\t\t\t\ttype timer-val;\t\t\t\tconfigd:help \"Interval between retransmitting lost link
state advertisements\";\t\t\t\tdescription \"Interval between retransmitting lost link state
advertisements\";\t\t\t\tdefault \"5\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/retransmit-
interval/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/retransmit-
interval/configd delete.sh\";\t\t\t}\t\t\tleaf cost {\t\t\t\ttype uint32 {\t\t\t\t\trange
1..65535;\t\t\t\t}\t\t\t\tconfigd:help \"Interface cost\";\t\t\t\tdescription \"Interface
cost\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/cost/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/cost/configd_delete.sh\";\t\t\t}\t\t\tleaf network
{\t\t\t\ttype network-type;\t\t\t\tconfigd:help \"Network type\";\t\t\t\tdescription \"Network
type\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/network/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/network/configd_delete.sh\";\t\t\t\tmust
\"not(../../../interfaces-loopback:tagnode) or (current() = 'point-to-point')\" {\t\t\t\terror-message
\"Only point-to-point network is valid for loopback interfaces\";\t\t\t\t}\t\t\t}\t\t\tleaf transmit-delay
{\t\t\t\ttype timer-val;\t\t\t\tconfigd:help \"Link state transmit delay\";\t\t\t\tdescription \"Link state
transmit delay\";\t\t\t\tdefault \"1\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/transmit-
delay/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/ospf/transmit-
delay/configd delete.sh\";\t\t\t}\t\t}\t}\taugment /protocols:protocols {\t\tcontainer ospf {\t\t\tpresence
\"Enable OSPF\";\t\t\tconfigd:priority \"620\";\t\t\tconfigd:help \"Open Shortest Path First protocol (OSPF)
parameters\";\t\t\tdescription \"Open Shortest Path First protocol (OSPF) parameters\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/protocols/ospf/configd_create.cli\";\t\t\tconfigd:delete
```

\"/opt/vyatta/share/tmplscripts/protocols/ospf/configd_delete.cli\";\t\t\tuses ospf-parameters;\t\t\tuses ospf-distribute-list;\t\t\tuses if-validation:igp-passive-interface {\t\t\t\trefine passive-interface {\t\t\t\t\tconfigd:priority \"621\";\t\t\t\t\tconfigd:help \"Suppress routing updates on an interface\";\t\t\t\t\tdescription \"Suppress routing updates on an interface\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/passive-interface/configd_create.cli\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/passive-interface/configd delete.cli\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/ospf/configd validate.cli\";\t\t\t\t}\t\t\t}\t\t\tuses if-validation:igp-passive-interface-exclude {\t\t\t\trefine passive-interface-exclude {\t\t\t\t\tconfigd:priority \"622\";\t\t\t\t\tconfigd:help \"Excludes OSPF routing update suppression on an interface\";\t\t\t\t\tdescription \"Excludes OSPF routing update suppression on an interface\";\t\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ospf/passive-interface/exclude/configd create.cli\";\t\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ospf/passive-interface/exclude/configd delete.cli\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/protocols/ospf/configd_validate.cli\";\t\t\t\t}\t\t\t}\t\t\tuses ospf-generic-parameters;\t\t\tuses ospf-neighbor;\t\t\tuses ospf-redistribute;\t\t\tuses ospf-distance;\t\t\tuses ospf-summary-address;\t\t\tuses ospf-default-information;\t\t\tuses ospf-area;\t\t\tuses ospf-auto-cost;\t\t\tuses ospf-overflow;\t\t\tuses ospf-debug-parameters;\t\t}\t}\t/* Augmenting trap notifications */\taugment /service:service/service-snmp:snmp/service-snmp:notification {\t\tcontainer ospf {\t\t\tconfigd:help \"OSPF Notifications\";\t\t\tdescription \"OSPF Notifications\";\t\t\tleaf all {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"OSPF Notifications\";\t\t\t\tdescription \"OSPF Notifications\";\t\t\t\tconfigd:create \"vtysh -c \"configure terminal\" -c \"ospf notification all\"\";\t\t\t\tconfigd:delete \"vtysh -c \"configure terminal\" -c \"no ospf notification\"\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-bridge:bridge/interfaces-bridge:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-l2tpeth:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-loopback:loopback/interfaces-loopback:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-openvpn:openvpn/interfaces-openvpn:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-tunnel:tunnel/interfaces-tunnel:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-vti:vti/interfaces-vti:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:ip {\t\tuses itf-ip-ospf;\t}\taugment /if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif/interfaces-bonding:ip {\t\tuses itf-ip-ospf;\t}}</module<module name=\"vyatta-protocols-pim-common-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-pim-common:1\" revision=\"2016-06-02\" format=\"yang\" length=\"3037\"module vyatta-protocols-pim-common-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-pim-common:1\";\tprefix vyatta-protocols-pim-common-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-pim-common-v1\";\trevision 2016-06-02 {\t\tdescription \"Initial revision\";\t}\tgrouping interface-leaf {\t\tleaf interface {\t\t\tmust \"current() = /if:interfaces/*/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')] \" +\t\t\t\t \"or /if:interfaces/*/*[local-name(.) = 'vif'][./../* = substring-before(current(), '.')]\" +\t\t\t\t\t\"/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')]\" +\t\t\t\t\t\"[. = substring-after(current(), '.')] \" +\t\t\t\t \"or /if:interfaces/*/*[local-name(.) = 'vrrp']/*[local-name(.) = 'vrrp-group']\" +\t\t\t\t\t\"[./../../* = substring-before(current(), 'v')]\" +\t\t\t\t\t\"/*[local-name(.) = 'tagnode'][. = substring-after(current(), 'v')] \" +\t\t\t\t \"or /if:interfaces/*/*[local-name(.) = 'vif'][./../* = substring-before(current(), '.')]\" +\t\t\t\t\t\"/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')]\" +\t\t\t\t\t\"[. = substring-after(substring-before(current(), 'v'), '.')]\" +\t\t\t\t\t\"/../*[local-name(.) = 'vrrp']/*[local-name(.) = 'vrrp-group']\" +\t\t\t\t\t\"/*[local-name(.) = 'tagnode'][. = substring-after(current(), 'v')]\" {\t\t\t\terror-message \"Interface does not exist on this system\";\t\t\t}\t\t\ttype string;\t\t\tconfigd:help \"Interface name\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/interface allowed.sh\";\t\t}\t}   grouping interface-tagnode {\t\tleaf tagnode {\t\t\tmust \"current() = /if:interfaces/*/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')] \" +\t\t\t\t \"or /if:interfaces/*/*[local-name(.) = 'vif'][./../* = substring-before(current(), '.')]\" +\t\t\t\t\t\"/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')]\" +\t\t\t\t\t\"[. = substring-after(current(), '.')] \" +\t\t\t\t \"or /if:interfaces/*/*[local-name(.) = 'vrrp']/*[local-name(.) = 'vrrp-group']\" +\t\t\t\t\t\"[./../../* = substring-before(current(), 'v')]\" +\t\t\t\t\t\"/*[local-name(.) = 'tagnode'][. = substring-after(current(), 'v')] \" +\t\t\t\t \"or /if:interfaces/*/*[local-name(.) = 'vif'][./../* = substring-before(current(), '.')]\" +\t\t\t\t\t\"/*[(local-name(.) = 'tagnode') or (local-name(.) = 'ifname')]\" +\t\t\t\t\t\"[. = substring-after(substring-before(current(), 'v'), '.')]\" +\t\t\t\t\t\"/../*[local-name(.) = 'vrrp']/*[local-name(.) = 'vrrp-group']\" +\t\t\t\t\t\"/*[local-name(.) = 'tagnode'][. = substring-after(current(), 'v')]\" {\t\t\t\terror-message \"Interface does not exist on this system\";\t\t\t}\t\t\ttype string;\t\t\tconfigd:help \"Interface name\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/pim/interface allowed.sh\";\t\t}\t}}</module<module name=\"vyatta-service-netconf-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-netconf:1\" revision=\"2015-08-10\" format=\"yang\" length=\"1061\"module vyatta-service-netconf-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-netconf:1\";\tprefix vyatta-service-netconf-v1;\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-netconf\";\trevision 2015-08-10 {\t\tdescription \"Initial release of v1.\";\t}\taugment /service:service {\t\tcontainer netconf {\t\t\tpresence \"netconf\";\t\t\tconfigd:priority \"501\";\t\t\tconfigd:help \"NETCONF (RFC 6241)\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/netconf/configd end.sh\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/netconf/configd validate1.cli\";\t\t\tleaf disable {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Disable NETCONF service\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-service-dhcpv6-server-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-dhcpv6-server-routing-

```
instance:1\" revision=\"2016-06-12\" format=\"yang\" length=\"2518\"module vyatta-service-dhcpv6-server-
routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-dhcpv6-server-routing-
instance:1\";\tprefix vyatta-service-dhcpv6-server-routing-instance-v1;\timport configd-v1 {\t\tprefix
configd;\t}\timport vyatta-service-dhcpv6-server-v1 {\t\tprefix v6server;\t}\timport vyatta-routing-v1
{\t\tprefix routing;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1
{\t\tprefix if-bridge;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix if-dataplane;\t}\timport vyatta-
interfaces-bonding-v1 {\t\tprefix if-bonding;\t}\timport vyatta-routing-instance-interfaces-v1 {\t\tprefix
rtintf;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t        San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module for vyatta-service-dhcpv6-server-routing-instance-v1\";\trevision 2016-
06-12 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /routing:routing/routing:routing-
instance/routing:service {\t\tuses v6server:dhcpv6-server-service {\t\t\trefine dhcpv6-server
{\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/dhcpv6-server/configd end.sh
$VAR(../../@)\";\t\t\t}\t\t\trefine dhcpv6-server/listento/interface {\t\t\tconfigd:allowed \"vyatta-show-
interfaces.pl --vrf=$VAR(../../../../@) --action=dhcp allowed\";\t\t\t\tmust \"(current() =
/if:interfaces/if-dataplane:dataplane/if-dataplane:tagnode)\"\t\t\t\t\t+ \"or (substring-after(current(),
'.') = /if:interfaces/if-dataplane:dataplane\"\t\t\t\t\t+ \"[if-dataplane:tagnode = substring-
before(current(), '.')]/if-dataplane:vif/if-dataplane:tagnode)\"\t\t\t\t\t+ \"or (current() =
/if:interfaces/if-bridge:bridge/if-bridge:tagnode)\"\t\t\t\t\t+ \"or (current() = /if:interfaces/if-
bonding:bonding/if-bonding:tagnode)\"\t\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-
bonding:bonding\"\t\t\t\t\t+ \"[if-bonding:tagnode = substring-before(current(), '.')]/if-bonding:vif/if-
bonding:tagnode)\" {\t\t\t\terror-message \"Interface name must refer to an existing dataplane, bonding or
bridge interface name\";\t\t\t}\t\t\t\tmust \"current() = /routing:routing/routing:routing-instance\"
+\t\t\t\t\t\"[routing:instance-name = current()/../../../../routing:instance-name]\"
+\t\t\t\t\t\"/rtintf:interface/rtintf:name\" {\t\t\t\terror-message \"Interface must be configured in this
routing instance\";\t\t\t}\t\t\t}\t\t}\t}\t}}</module<module name=\"vyatta-protocols-igmp-
v1\"\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-igmp:1\" revision=\"2016-03-16\" format=\"yang\"
length=\"14780\"module vyatta-protocols-igmp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-
igmp:1\";\tprefix vyatta-protocols-igmp-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-
protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-
v1 {\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix interfaces-bridge;\t}\timport vyatta-
interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix
interfaces-l2tpeth;\t}\timport vyatta-interfaces-loopback-v1 {\t\tprefix interfaces-loopback;\t}\timport
vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-openvpn;\t}\timport vyatta-interfaces-tunnel-v1
{\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-vti-v1 {\t\tprefix interfaces-vti;\t}\timport
vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-policy-v1 {\t\tprefix
policy;\t}\timport vyatta-policy-route-v1 {\t\tprefix policy-route;\t}\torganization \"Brocade Communications
Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t
San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright
(c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for
vyatta-protocols-igmp-v1\";\trevision 2016-03-16 {\t\tdescription \"Add must statements to replace local-only
validation\t\t\tUpdate igmp-interface-parameters/igmp presence description\";\t}\trevision 2016-01-13
{\t\tdescription \"Added and updated help text under the static-group list\";\t}\trevision 2015-07-28
{\t\tdescription \"New module, replaces vyatta-protocols-igmp\";\t}            typedef static-group-source {
type union {                            type string {                            configd:pattern-help \"ssm-
map\";                            configd:help \"Use SSM mapping\";                            }
type types:ipv4-address;                }            }\tgrouping igmp-interface-parameters {\t\tcontainer igmp
{\t\t\tpresence \"IGMP is configured on the interface\";\t\t\tconfigd:help \"Internet Group Management
Protocol (IGMP)\";\t\t\tconfigd:priority \"760\";\t\t\tcontainer querier {\t\t\t\tpresence \"true\";\t\t\t
configd:help \"Querier mode\";\t\t\t\tleaf forced {\t\t\t\t\ttype empty;\t\t\t\t        configd:help \"Set
forced querier mode\";\t\t\t\t}\t\t\t\t\tleaf querier-timeout {\t\t\t\t\ttype uint32 {\t\t\t\t\t\trange
60..300;\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Period that router waits before assuming querier
role\";\t\t\t\t}\t\t\t}\t\t\t\tleaf offlink {\t\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable off-link for
IGMP\";\t\t\t}\t\t\tleaf startup-query-interval {\t\t\t\ttype uint32 {\t\t\t\t\trange
1..18000;\t\t\t}\t\t\t\tconfigd:help \"Configure a query interval value for IGMP\";\t\t\t}\t\t\tcontainer
immediate-leave {\t\t\t\tconfigd:help \"Immediate leave feature\";\t\t\t\tleaf group-list {\t\t\t\t\ttype
uint32 {\t\t\t\t    range \"1..99 | 1300..1999\";\t\t\t\t\t}\t\t\t\t\tmust \"current() =
/policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\terror-message
\"access-list has not been configured\";\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Defines multicast groups in which
the immediate leave feature is enabled\";\t\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/igmp/immediate-leave/group-
list/configd_allowed.sh\";\t\t\t\t}\t\t\t}\t\t\tleaf robustness-variable {\t\t\t\ttype uint32
{\t\t\t\t\trange 2..7;\t\t\t\t}\t\t\t\tconfigd:help \"configure the robustness variable value on an
interface\";\t\t\t}\t\t\tleaf limit-exception {\t\t\t\ttype uint32 {\t\t\t\t\trange \"1..99 |
1300..1999\";\t\t\t\t}\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-
list/policy-route:tagnode\" {\t\t\t\t\terror-message \"access-list has not been
configured\";\t\t\t}\t\t\t\tconfigd:help \"Specify access-list that defines multicast groups that are
exempted from being subject to configured limit\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/interfaces/all/ip/igmp/limit-exception/configd allowed.sh\";\t\t\t}\t\t\tleaf
limit {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..2097152;\t\t\t\t}\t\t\t\tdefault 5000;\t\t\t\tconfigd:help
\"Configure the limit on the maximum number of group membership states\";\t\t\t}\t\t\tleaf query-max-
response-time {\t\t\t\ttype uint32 {\t\t\t\t\trange 1..240;\t\t\t\t}\t\t\t\tconfigd:help \"configure the
maximum response time advertised in IGMP queries\";\t\t\t\tdefault \"10\";\t\t\t}\t\t\tleaf last-member-
query-count {\t\t\t\ttype uint32 {\t\t\t\t\trange 2..7;\t\t\t\t}\t\t\t\tconfigd:help \"Set the last-member
query-count value\";\t\t\t}\t\t\tlist static-group {\t\t\t\tconfigd:help \"Configure a static multicast group
membership\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t//
non-reserved multicast address\t\t\t\t\tmust \"(substring-before(., '.') >= 224) and \"
+\t\t\t\t\t\t\"(substring-before(., '.') <= 239) and \" +\t\t\t\t\t\t\"(not(starts-with(., '224.0.0')))\"
{\t\t\t\t\t\terror-message \"Not a valid IPv4 multicast address.\";\t\t\t\t\t}\t\t\t\t\tconfigd:help
\"Configure a static multicast group membership\";\t\t\t\t}\t\t\t\tleaf-list source {\t\t\t\t\ttype static-
group-source;\t\t\t\t\t//not (multicast, loopback) or ssm-map\t\t\t\t\tmust \"(substring-before(., '.') <
224) and \" +\t\t\t\t\t\t\"(not(starts-with(., '127.'))) or \" +\t\t\t\t\t\t\"(. = 'ssm-map')\"
{\t\t\t\t\t\terror-message \"Not either a valid IPv4 unicast address or <ssm-
```

map>.\";\t\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Configure standard IP source address as a static source from where multicast packets originate\";\t\t\t}\t\t\t}\t\t\tlist join-group {\t\t\t\tconfigd:help \"Configure a join multicast group\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\ttype types:ipv4-address;\t\t\t\t// non-reserved multicast address\t\t\t\tmust \"(substring-before(., '.') >= 224) and \" +\t\t\t\t\t\"(substring-before(., '.') <= 239) and \" +\t\t\t\t\t\"(not(starts-with(., '224.0.0')))\" {\t\t\t\t\terror-message \"Not a valid IPv4 multicast address.\";\t\t\t\t}\t\t\t\tconfigd:help \"Configure a join multicast group\";\t\t\t}\t\t\tleaf-list source {\t\t\t\ttype types:ipv4-address;\t\t\t\t// not multicast reserved or loopback.\t\t\t\tmust \"(substring-before(., '.') < 224) and \" +\t\t\t\t\t\"(not(starts-with(., '127.')))\" {\t\t\t\t\terror-message \"Not a valid IPv4 unicast address.\";\t\t\t\t}\t\t\t\tconfigd:help \"Standard IP source address to be configured as a source from where multicast packets originate\";\t\t\t}\t\t\t}\t\t\tleaf last-member-query-interval {\t\t\ttype uint32 {\t\t\t\trange 1000..25500;\t\t\t}\t\t\tconfigd:help \"Configure the frequency at which the router sends IGMP group-specific host query messages\";\t\t\t}\t\t\tleaf version {\t\t\ttype uint32 {\t\t\t\trange 1..3;\t\t\t}\t\t\tdefault \"3\";\t\t\tconfigd:help \"Configure the current IGMP protocol version on an interface\";\t\t\t}\t\t\tleaf access-group {\t\t\ttype uint32 {\t\t\t\trange 1..99;\t\t\t}\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\terror-message \"access-list has not been configured\";\t\t\t}\t\t\tconfigd:help \"Control the multicast local-membership groups learned on an interface\";\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/interfaces/all/ip/igmp/access-group/configd allowed.sh\";\t\t\t}\t\t\tleaf enforce-router-alert {\t\t\ttype empty;\t\t\tconfigd:help \"Enable strict RA (Router Advertisement) validation for IGMP\";\t\t\t}\t\t\tleaf query-interval {\t\t\tmust \"current() > ../query-max-response-time\" {\t\t\t\terror-message \"query-interval must be greater than query-max-response-time\";\t\t\t}\t\t\ttype uint32 {\t\t\t\trange 2..18000;\t\t\t}\t\t\tconfigd:help \"Configure the frequency of sending IGMP host query messages\";\t\t\tdefault \"126\";\t\t\t}\t\t\tleaf startup-query-count {\t\t\ttype uint32 {\t\t\t\trange 2..10;\t\t\t}\t\t\tconfigd:help \"Configure a startup query count for IGMP\";\t\t\t}\t\t}\t}\tgrouping igmp-parameters {\tcontainer igmp {\tconfigd:help \"Internet Group Management Protocol (IGMP)\";\t\tleaf limit-exception {\t\tmust \"../limit\" {\t\t\terror-message \"limit must be configured\";\t\t}\t\ttype uint32 {\t\t\trange \"1..99 | 1300..1999\";\t\t}\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\terror-message \"access-list has not been configured\";\t\t}\t\tconfigd:help \"Specify access-list that defines multicast groups that are exempted from being subject to configured limit\";\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/igmp/limit-exception/configd_allowed.sh\";\t}\t\tleaf limit {\t\ttype uint32 {\t\t\trange 1..2097152;\t\t}\t\tconfigd:help \"Configure the limit on the maximum number of group membership states\";\t}\t\tcontainer ssm-map {\t\tpresence \"true\";\t\tconfigd:help \"Enable SSM mapping on the router\";\t\tcontainer static {\t\tconfigd:help \"Configure the static mode of defining SSM mapping\";\t\tlist access-list {\t\t\tconfigd:help \"Configure access-list for the static mode of defining SSM mapping\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype uint32 {\t\t\t\t\trange \"1..99 | 1300..1999\";\t\t\t\t}\t\t\t\tmust \"current() = /policy:policy/policy-route:route/policy-route:access-list/policy-route:tagnode\" {\t\t\t\t\terror-message \"access-list has not been configured\";\t\t\t\t}\t\t\t\tconfigd:help \"Configure access-list for the static mode of defining SSM mapping\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/protocols/igmp/ssm-map/static/access-list/configd_allowed.sh\";\t\t\t}\t\t\tleaf-list source {\t\t\t\tmin-elements 1;\t\t\t\ttype types:ipv4-address;\t\t\t\t// not multicast reserved or loopback.\t\t\t\tmust \"(substring-before(., '.') < 224) and \" +\t\t\t\t\t\"(not(starts-with(., '127.')))\" {\t\t\t\t\terror-message \"Not a valid IPv4 unicast address.\";\t\t\t\t}\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Configure source address to use for static map group\";\t\t\t}\t\t}\t}\t}\t\tcontainer log {\t\tconfigd:help \"IGMP logging parameters\";\t\tleaf all {\t\ttype empty;\t\tconfigd:help \"Enable all IGMP debugging\";\t\t}\t\tleaf encode {\t\ttype empty;\t\tconfigd:help \"Enable IGMP encode debugging\";\t\t}\t\tleaf decode {\t\ttype empty;\t\tconfigd:help \"Enable IGMP decode debugging\";\t\t}\t\tleaf events {\t\ttype empty;\t\tconfigd:help \"Enable IGMP events debugging\";\t\t}\t\tleaf fsm {\t\ttype empty;\t\tconfigd:help \"Enable IGMP fsm debugging\";\t\t}\t\tleaf tib {\t\ttype empty;\t\tconfigd:help \"Enable IGMP tib debugging\";\t\t}\t}\t}\taugment /protocols:protocols {\t\tuses igmp-parameters {\t\trefine igmp {\t\tconfigd:end \"vyatta-igmp 4\";\t\t}\t}\t}\taugment /if:interfaces/interfaces-bridge:bridge/interfaces-bridge:ip {\t\tuses igmp-interface-parameters {\t\trefine igmp {\t\t\tmust \"../../interfaces-bridge:address\" {\t\t\t\terror-message \"Must configure interface address for IGMP\";\t\t\t}\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../@)\";\t\t\tconfigd:end \"vyatta-igmp-interface $VAR(../../@)\";\t\t}\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:ip {\t\tuses igmp-interface-parameters {\t\trefine igmp {\t\t\tmust \"../../interfaces-dataplane:address\" {\t\t\t\terror-message \"Must configure interface address for IGMP\";\t\t\t}\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../@)\";\t\t\tconfigd:end \"vyatta-igmp-interface $VAR(../../@)\";\t\t}\t}\t}\taugment /if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif/interfaces-dataplane:ip {\t\tuses igmp-interface-parameters {\t\trefine igmp {\t\t\tmust \"../../interfaces-dataplane:address\" {\t\t\t\terror-message \"Must configure interface address for IGMP\";\t\t\t}\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../../@).$VAR(../../@)\";\t\t\tconfigd:end \"vyatta-igmp-interface $VAR(../../../@).$VAR(../../@)\";\t\t}\t}\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:ip {\t\tuses igmp-interface-parameters {\t\trefine igmp {\t\t\tmust \"../../interfaces-l2tpeth:address\" {\t\t\t\terror-message \"Must configure interface address for IGMP\";\t\t\t}\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../@)\";\t\t\tconfigd:end \"vyatta-igmp-interface $VAR(../../@)\";\t\t}\t}\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif/interfaces-l2tpeth:ip {\t\tuses igmp-interface-parameters {\t\trefine igmp {\t\t\tmust \"../../interfaces-l2tpeth:address\" {\t\t\t\terror-message \"Must configure interface address for IGMP\";\t\t\t}\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../../@).$VAR(../../@)\";\t\t\tconfigd:end \"vyatta-igmp-interface $VAR(../../../@).$VAR(../../@)\";\t\t}\t}\t}\taugment /if:interfaces/interfaces-loopback:loopback/interfaces-loopback:ip {\t\tuses igmp-interface-parameters {\t\trefine igmp {\t\t\tmust \"../../interfaces-loopback:address\" {\t\t\t\terror-message \"Must configure interface address for IGMP\";\t\t\t}\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../@)\";\t\t\tconfigd:end

```
\"vyatta-igmp-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
openvpn:openvpn/interfaces-openvpn:ip {\t\tuses igmp-interface-parameters {\t\t\trefine igmp {\t\t\t\tmust
\"../../interfaces-openvpn:local-address\" {\t\t\t\terror-message \"Must configure interface address for
IGMP\";\t\t\t\t}\t\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end
\"vyatta-igmp-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
tunnel:tunnel/interfaces-tunnel:ip {\t\tuses igmp-interface-parameters {\t\t\trefine igmp {\t\t\t\tmust
\"../../interfaces-tunnel:address\" {\t\t\t\terror-message \"Must configure interface address for
IGMP\";\t\t\t}\t\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end
\"vyatta-igmp-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
vti:vti/interfaces-vti:ip {\t\tuses igmp-interface-parameters {\t\t\trefine igmp {\t\t\t\tmust
\"../../interfaces-vti:address\" {\t\t\t\terror-message \"Must configure interface address for
IGMP\";\t\t\t}\t\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end
\"vyatta-igmp-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
bonding:bonding/interfaces-bonding:ip {\t\tuses igmp-interface-parameters {\t\t\trefine igmp {\t\t\t\tmust
\"../../interfaces-bonding:address\" {\t\t\t\terror-message \"Must configure interface address for
IGMP\";\t\t\t}\t\t\t\tconfigd:validate \"vyatta-igmp-interface-validate $VAR(../../@)\";\t\t\t\tconfigd:end
\"vyatta-igmp-interface $VAR(../../@)\";\t\t\t}\t\t}\t}\taugment /if:interfaces/interfaces-
bonding:bonding/interfaces-bonding:vif/interfaces-bonding:ip {\t\tuses igmp-interface-parameters
{\t\t\trefine igmp {\t\t\t\tmust \"../../interfaces-bonding:address\" {\t\t\t\t\terror-message \"Must
configure interface address for IGMP\";\t\t\t\t}\t\t\t\tconfigd:validate \"vyatta-igmp-interface-validate
$VAR(../../../@).$VAR(../../@)\";\t\t\t\tconfigd:end \"vyatta-igmp-interface
$VAR(../../../@).$VAR(../../@)\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-protocols-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols:1\" revision=\"2015-08-05\" format=\"yang\"
length=\"671\"module vyatta-protocols-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols:1\";\tprefix
vyatta-protocols-v1;\timport configd-v1 { prefix configd; }\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t \t San Jose, CA
95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016
by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-
protocols-v1\";\trevision 2015-08-05 {\t\tdescription \"Initial revision of version 1.\";\t}\tcontainer
protocols {\t\tconfigd:help \"Routing protocol parameters\";\t}}</module<module name=\"vyatta-service-sflow-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-sflow:1\" revision=\"2015-08-14\" format=\"yang\"
length=\"3197\"module vyatta-service-sflow-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-
sflow:1\";\tprefix vyatta-service-sflow-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-
services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-interfaces-v1
{\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix if-dataplane;\t}\torganization
\"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130
Holger Way\t\t         San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The Vyatta configuration/operational YANG for\t\t vyatta-service-sflow-v1.\";\trevision
2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /service:service {\t\tcontainer
sflow {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"901\";\t\t\tconfigd:help \"sflow configuration for
dataplane\";\t\t\tleaf polling-interval {\t\t\t\ttype uint32 {\t\t\t\t\trange 0..65535 {\t\t\t\t\t\terror-
message \"Sampling rate must be between o and 65535\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault
\"20\";\t\t\t\tconfigd:help \"sFlow polling interval\";\t\t\t\tconfigd:delete \"vyatta-sflow.pl --cmd=disable
--proto=polling-interval --state=$VAR(@) --param=0\";\t\t\t\tconfigd:update \"vyatta-sflow.pl --cmd=enable --
proto=polling-interval --state=$VAR(@) --param=0\";\t\t\t}\t\t\tleaf sampling-rate {\t\t\t\ttype uint32
{\t\t\t\t\trange 512..65535 {\t\t\t\t\t\terror-message \"Sampling rate must be between 512 and
65535\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tdefault \"2048\";\t\t\t\tconfigd:help \"sFlow sampling
rate\";\t\t\t\tconfigd:delete \"vyatta-sflow.pl --cmd=disable --proto=sampling-rate --state=$VAR(@) --
param=0\";\t\t\t\tconfigd:update \"vyatta-sflow.pl --cmd=enable --proto=sampling-rate --state=$VAR(@) --
param=0\";\t\t\t}\t\t\tleaf agent-address {\t\t\t\ttype union {\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\ttype types:ipv6-address;\t\t\t\t}\t\t\t\tconfigd:priority \"400\";\t\t\t\tconfigd:help
\"Agent address\";\t\t\t\tconfigd:delete \"vyatta-sflow.pl --cmd=disable --proto=agent-address --
state=$VAR(@) --param=0\";\t\t\t\tconfigd:update \"vyatta-sflow.pl --cmd=enable --proto=agent-address --
state=$VAR(@) --param=0\";\t\t\t}\t\t\tlist server-address {\t\t\t\tconfigd:help \"sFlow server
address\";\t\t\t\tkey \"addr\";\t\t\t\tmax-elements \"4\";\t\t\t\tconfigd:delete \"vyatta-sflow.pl --
cmd=disable --proto=server --state=$VAR(@) --param=$VAR(server-port/@)\";\t\t\t\tconfigd:update \"vyatta-
sflow.pl --cmd=enable --proto=server --state=$VAR(@) --param=$VAR(server-port/@)\";\t\t\t\tleaf addr
{\t\t\t\t\ttype union {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\ttype types:ipv6-
address;\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf server-port {\t\t\t\t\ttype uint16;\t\t\t\t\tmandatory
true;\t\t\t\t\tconfigd:help \"sFlow server UDP port\";\t\t\t\t}\t\t\t}\t\t}\t}\taugment /if:interfaces/if-
dataplane:dataplane {\t\tleaf sflow {\t\t\ttype empty;\t\t\tconfigd:priority \"911\";\t\t\tconfigd:help
\"Enable/Disable sflow for interface\";\t\t\tconfigd:delete \"vplane-sflow.pl --cmd=disable --intf=$VAR(../@)
--type=$VAR(..)\";\t\t\tconfigd:update \"vplane-sflow.pl --cmd=enable --intf=$VAR(../@) --
type=$VAR(..)\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/sflow/config validate.cli\";\t\t}\t}}</module<module
name=\"vyatta-system-mgmt-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-mgmt-routing-
instance:1\" revision=\"2016-04-18\" format=\"yang\" length=\"1018\"module vyatta-system-mgmt-routing-
instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-mgmt-routing-instance:1\";\tprefix vyatta-
system-mgmt-routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1
{\t\tprefix vyatta-routing;\t}\timport vyatta-system-mgmt-v1 {\t\tprefix system-mgmt;\t}\torganization
\"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130
Holger Way\t\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module for vyatta-system-mgmt-routing-instance-v1\";\trevision 2016-04-18
{\t\tdescription \"Add config-archive to routing-instance.\";\t}\taugment /vyatta-routing:routing/vyatta-
routing:routing-instance/vyatta-routing:system {\t\tcontainer config-management {\t\t\tconfigd:help
\"Configuration management settings\";\t\t\tuses system-mgmt:cfg-mgt-commit-archive-
group;\t\t}\t}}</module<module name=\"vyatta-service-dhcp-server-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-
service-dhcp-server:1\" revision=\"2016-04-20\" format=\"yang\" length=\"9506\"module vyatta-service-dhcp-
server-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-dhcp-server:1\";\tprefix vyatta-service-dhcp-
server-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix
service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t         San Jose,
```

CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-dhcp-server-v1\";\trevision 2016-04-20 {\t\tdescription \"grouping dhcp-server-service\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping dhcp-server-service {\t\tcontainer dhcp-server {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"911\";\t\t\tconfigd:help \"Dynamic Host Configuration Protocol (DHCP) for DHCP server\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/dhcp-server/configd_end1.cli\";\t\t\tleaf disabled {\t\t\t\ttype boolean;\t\t\t\tdefault \"false\";\t\t\t\tconfigd:help \"Option to disable DHCP server\";\t\t\t}\t\t\tleaf-list global-parameters {\t\t\t\ttype string;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:help \"Additional global parameters for DHCP server. You must use the syntax of dhcpd.conf in this text-field. Using this without proper knowledge may result in a crashed DHCP server.Check system log to look for errors.\";\t\t\t}\t\t\tcontainer listento {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"force dhcpd listens to interfaces\";\t\t\t\tleaf-list interface {\t\t\t\t\ttype string;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"interfaces dhcpd listens to\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/dhcp-server/interface/configd_allowed.sh\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/dhcp-server/configd_validate1.cli\";\t\t\t\t}\t\t\t}\t\t\tlist static-mapping {\t\t\t\tconfigd:help \"Static mapping for specified address type\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\t pattern '[-_a-zA-Z0-9\\.]+' {\t\t\t\t\t\tconfigd:error-message \"invalid static-mapping name \"$VAR(@)\"\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Static mapping for specified address type\";\t\t\t\t}\t\t\t\tleaf-list static-mapping-parameters {\t\t\t\t\ttype string;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Additional static-mapping parameters for DHCP server.You must use the syntax of dhcpd.conf in this text-field. Using this without proper knowledge may result in a crashed DHCP server. Check system log to look for errors.\";\t\t\t\t}\t\t\t\tleaf ip-address {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"Static mapping for specified IP address\";\t\t\t\t}\t\t\t\tleaf mac-address {\t\t\t\t\tmandatory true;\t\t\t\t\ttype types:mac-address;\t\t\t\t\tconfigd:help \"Static mapping for specified MAC address [REQUIRED]\";\t\t\t\t}\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Option to disable static-mapping\";\t\t\t\t}\t\t\t}\t\t\tlist shared-network-name {\t\t\t\tconfigd:help \"DHCP shared network [REQUIRED]\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[-_a-zA-Z0-9\\.]+' {\t\t\t\t\t\t\tconfigd:error-message \"invalid DHCP pool name \"$VAR(@)\"\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"DHCP shared network [REQUIRED]\";\t\t\t\t}\t\t\t\tleaf description {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Shared-network-name description\";\t\t\t\t}\t\t\t\tleaf-list shared-network-parameters {\t\t\t\t\ttype string;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"Additional shared-network parameters for DHCP server.You must use the syntax of dhcpd.conf in this text-field. Using this without proper knowledge may result in a crashed DHCP server. Check system log to look for errors.\";\t\t\t\t}\t\t\t\tlist subnet {\t\t\t\t\tconfigd:help \"DHCP subnet for shared network [REQUIRED]\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\t\tconfigd:help \"DHCP subnet for shared network [REQUIRED]\";\t\t\t\t\t}\t\t\t\t\tleaf-list dns-server {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IP address of DNS server\";\t\t\t\t\t}\t\t\t\t\tleaf tftp-server-name {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"TFTP server name\";\t\t\t\t\t}\t\t\t\t\tleaf-list time-server {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IP address of time server\";\t\t\t\t\t}\t\t\t\t\tleaf-list exclude {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IP address that needs to be excluded from DHCP lease range\";\t\t\t\t\t}\t\t\t\t\tcontainer ip-forwarding {\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\tconfigd:help \"IP layer forwarding\";\t\t\t\t\t\tleaf enable {\t\t\t\t\t\t\ttype boolean;\t\t\t\t\t\t\tdefault \"false\";\t\t\t\t\t\t\tconfigd:help \"Option to set IP forwarding (default: false)\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf client-prefix-length {\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\trange 0..32 {\t\t\t\t\t\t\t\terror-message \"DHCP client prefix length must be 0 to 32\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"DHCP client prefix length\";\t\t\t\t\t}\t\t\t\t\tleaf time-offset {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '\\-?[0-9]+' {\t\t\t\t\t\t\t\tconfigd:error-message \"invalid time offset value \"$VAR(@)\"\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"Offset of the client's subnet in seconds from Coordinated Universal Time (UTC)\";\t\t\t\t\t}\t\t\t\t\tleaf server-identifier {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tconfigd:help \"Address for DHCP server identifier\";\t\t\t\t\t}\t\t\t\t\tleaf-list smtp-server {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IP address of SMTP server\";\t\t\t\t\t}\t\t\t\t\tleaf-list ntp-server {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IP address of NTP server\";\t\t\t\t\t}\t\t\t\t\tleaf-list wins-server {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IP address for Windows Internet Name Service (WINS) server\";\t\t\t\t\t}\t\t\t\t\tcontainer static-route {\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\tconfigd:help \"Classless static route\";\t\t\t\t\t\tleaf destination-subnet {\t\t\t\t\t\t\ttype types:ipv4-prefix;\t\t\t\t\t\t\tconfigd:help \"Destination subnet [REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf router {\t\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\t\tconfigd:help \"IP address of router to be used to reach the destination subnet [REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf bootfile-server {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Server (IP address or domain name) from which the initial boot file is to be loaded\";\t\t\t\t\t}\t\t\t\t\tleaf-list subnet-parameters {\t\t\t\t\t\ttype string;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"Additional subnet parameters for DHCP server. You mustuse the syntax of dhcpd.conf in this text-field. Using this without proper knowledge may result in a crashed DHCP server.Check system log to look for errors.\";\t\t\t\t\t}\t\t\t\t\tleaf bootfile-name {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Bootstrap file name\";\t\t\t\t\t}\t\t\t\t\tcontainer failover {\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\tconfigd:help \"DHCP failover parameters\";\t\t\t\t\t\tleaf name {\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\tpattern '[- a-zA-Z0-9\\.]+' {\t\t\t\t\t\t\t\t\tconfigd:error-message \"invalid failover peer name \"$VAR(@)\"\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"DHCP failover peer name [REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf peer-address {\t\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\t\tconfigd:help \"IP address of failover peer [REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf status {\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/service/dhcp-server/shared-network-name/subnet/failover/status/configd_syntax1.cli\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"DHCP failover peer status (primary|secondary) [REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf local-address {\t\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\t\t\tconfigd:help \"IP address for failover peer to connect [REQUIRED]\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf ping-check {\t\t\t\t\t\ttype

empty;\t\t\t\t\tconfigd:help \"Ping the IP address that is being offered to make sure it isn't configured on another node\";\t\t\t\t\t}\t\t\t\t\tleaf-list pop-server {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"IP address of POP3 server\";\t\t\t\t\t}\t\t\t\t\tleaf default-router {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"IP address of default router\";\t\t\t\t\t}\t\t\t\t\tleaf lease {\t\t\t\t\ttype uint32;\t\t\t\t\tdefault \"86400\";\t\t\t\t\tconfigd:help \"Lease timeout in seconds\";\t\t\t\t\t}\t\t\t\t\tleaf domain-name {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Client domain name\";\t\t\t\t\t}\t\t\t\t\tlist start {\t\t\t\t\tconfigd:help \"Starting IP address for DHCP lease range\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"Starting IP address for DHCP lease range\";\t\t\t\t\t}\t\t\t\t\tleaf stop {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"Stopping IP address for DHCP lease range [REQUIRED]\";\t\t\t\t\t}\t\t\t\t\tleaf wpad-url {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Web Proxy Autodiscovery (WPAD) URL\";\t\t\t\t\t}\t\t\t\t\tleaf disable {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Option to disable DHCP configuration for shared-network\";\t\t\t}\t\t\t\tleaf authoritative {\t\t\t\ttype string {\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/service/dhcp-server/shared-network-name/authoritative/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\tdefault \"disable\";\t\t\t\tconfigd:help \"Option to make DHCP server authoritative for this physical network\";\t\t\t}\t\t\t}\t\t\tcontainer dynamic-dns-update {\t\t\tpresence \"true\";\t\t\tconfigd:help \"DHCP server to dynamically update the Domain Name System (DNS)\";\t\t\tleaf enable {\t\t\ttype boolean;\t\t\tdefault \"false\";\t\t\tconfigd:help \"Option to set dynamic DNS update (default: false)\";\t\t\t}\t\t\t}\t\t}\t}\taugment /service:service {\tuses dhcp-server-service;\t}}</module><module name=\"vyatta-service-https-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-https:1\" revision=\"2015-08-14\" format=\"yang\" length=\"1666\"module vyatta-service-https-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-https:1\";\tprefix vyatta-service-https-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-service-https-v1\";\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /service:service {\t\tcontainer https {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"913\";\t\t\tconfigd:help \"Enable/disable the Web server\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/service/https/configd_update.sh\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/https/configd end.sh\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/https/configd validate1.cli\";\t\t\tleaf service-users {\t\t\ttype empty;\t\t\tconfigd:help \"Enable service-user webportal\";\t\t\t}\t\t\tleaf http-redirect {\t\t\ttype enumeration {\t\t\t\tenum \"enable\" {\t\t\t\t\tconfigd:help \"Enable HTTP redirection\";\t\t\t\t\t}\t\t\t\tenum \"disable\" {\t\t\t\t\tconfigd:help \"Disable HTTP redirection \";\t\t\t\t\t}\t\t\t\tconfigd:help \"Control HTTP redirection\";\t\t\tdefault \"enable\";\t\t\t}\t\t\tleaf-list listen-address {\t\t\ttype union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype types:ipv6-address;\t\t\t\t}\t\t\tordered-by \"user\";\t\t\tconfigd:help \"Specify listen address\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-protocols-ecmp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-ecmp:1\" revision=\"2016-06-01\" format=\"yang\" length=\"2313\"module vyatta-protocols-ecmp-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-ecmp:1\";\tprefix vyatta-protocols-ecmp-v1;\timport vyatta-protocols-v1 {\t\tprefix protocols;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module package for vyatta-protocols-ecmp-v1\";\trevision 2016-06-01 {\t\tdescription \"Grouping maximum-paths and disable leaf node\";\t}\trevision 2014-08-06 {\t\tdescription \"Initial revision of version 1\";\t}\tgrouping ecmp-paths {\t\tleaf maximum-paths {\t\t\ttype uint16 {\t\t\t\trange 1..64; \t\t\t}\t\t\tdescription \"Equal-cost multi-path routing maximum paths number\";\t\t\tconfigd:help \"Equal-cost multi-path routing maximum paths number\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ecmp/maximum-paths/configd_create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ecmp/maximum-paths/configd_delete.sh\";\t\t}\t}\tgrouping disable {\t\tleaf disable {\t\t\ttype empty;\t\t\tdescription \"Disable equal-cost multi-path routing\";\t\t\tconfigd:help \"Disable equal-cost multi-path routing\";\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/protocols/ecmp/disable/configd create.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ecmp/disable/configd_delete.sh\";\t\t}\t}\taugment /protocols:protocols {\t\tcontainer ecmp {\t\t\tconfigd:help \"Equal-cost multi-path routing parameters\";\t\t\tuses ecmp-paths;\t\t\tuses disable;\t\t\tleaf mode {\t\t\t\ttype enumeration {\t\t\t\t\tenum \"hrw\" {\t\t\t\t\t\tconfigd:help \"HRW equal-cost multi-path routing mode (default)\";\t\t\t\t\t}\t\t\t\t\tenum \"hash-threshold\" {\t\t\t\t\t\tconfigd:help \"Hash-threshold equal-cost multi-path routing mode\";\t\t\t\t\t}\t\t\t\t\tenum \"modulo-n\" {\t\t\t\t\t\tconfigd:help \"Modulo-n equal-cost multi-path routing mode\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Equal-cost multi-path routing mode\";\t\t\tdefault \"hrw\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/protocols/ecmp/mode/configd_update.sh\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/protocols/ecmp/mode/configd delete.sh\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-interfaces-bridge-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-bridge:1\" revision=\"2016-03-28\" format=\"yang\" length=\"5587\"module vyatta-interfaces-bridge-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-bridge:1\";\tprefix vyatta-interfaces-bridge-v1;\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-dataplane;\t}\timport vyatta-interfaces-tunnel-v1 {\t\tprefix interfaces-tunnel;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2015-2016 by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-interfaces-bridge-v1\";\trevision 2016-03-28 {\t\tdescription \"Remove use of bash in action scripts\";\t}\trevision 2015-08-17 {\t\tdescription \"Break out bridge-base grouping for use by VDR\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping bridge-group {\t\tcontainer bridge-group {\t\t\tpresence \"bridge specific

parameters\";\t\t\tdescription \"Add this interface to a bridge group.\";\t\t\tconfigd:priority
\"320\";\t\t\tconfigd:help \"Add this interface to a bridge group\";\t\t\tconfigd:end \"vyatta-bridge.pl
${COMMIT ACTION} $VAR(../@)\";\t\t\tleaf bridge {\t\t\t\ttype string {\t\t\t\t\tpattern \"v?br[0-9]+\"
{\t\t\t\t\t\tconfigd:error-message \"$VAR(@): not a valid name for a
bridge\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tmandatory true;\t\t\t\tdescription \"Bridge group
name.\";\t\t\t\tconfigd:help \"Bridge group name\";\t\t\t\tconfigd:allowed \"vyatta-interfaces.pl --
show=bridge\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/bridge/configd validate1.cli\";\t\t\t}\t\t}\t}\taugment
/if:interfaces/interfaces-dataplane:dataplane {\t\tuses bridge-group;\t}\taugment /if:interfaces/interfaces-
tunnel:tunnel {\t\tuses bridge-group {\t\t\trefine bridge-group {\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/interfaces/tunnel/bridge-group/configd_end.sh\";\t\t\t}\t\t}\t}\taugment
/if:interfaces/interfaces-bonding:bonding {\t\tuses bridge-group;\t}\taugment /if:interfaces/interfaces-
l2tpeth:l2tpeth/interfaces-l2tpeth:vif {\t\tuses bridge-group {\t\t\trefine bridge-group {\t\t\t\tconfigd:end
\"vyatta-bridge.pl ${COMMIT ACTION} $VAR(../../@).$VAR(../@)\";\t\t\t}\t\t}\t}\taugment
/if:interfaces/interfaces-l2tpeth:l2tpeth {\t\tuses bridge-group;\t}\taugment /if:interfaces/interfaces-
dataplane:dataplane/interfaces-dataplane:vif {\t\tuses bridge-group {\t\t\trefine bridge-group
{\t\t\t\tconfigd:end \"vyatta-bridge.pl ${COMMIT_ACTION} $VAR(../../@).$VAR(../@)\";\t\t\t}\t\t}\t}\taugment
/if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif {\t\tuses bridge-group {\t\t\trefine bridge-
group {\t\t\t\tconfigd:end \"vyatta-bridge.pl ${COMMIT_ACTION}
$VAR(../../@).$VAR(../@)\";\t\t\t}\t\t}\t}\tgrouping bridge-base {\t\tleaf description {\t\t\ttype
if:description;\t\t\tdescription \"Interface description.\";\t\t\tconfigd:help \"Interface
description\";\t\t\tconfigd:update \"ip link set dev $VAR(../@) alias '$VAR(@)'\";\t\t\tconfigd:delete
\"vyatta-interfaces.pl --dev=$VAR(../@) --delete-description\";\t\t}\t\tleaf disable {\t\t\ttype
empty;\t\t\tdescription \"Disable bridge interface.\";\t\t\tconfigd:help \"Disable bridge
interface\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/bridge/disable/configd create.sh\";\t\t}\t\tleaf-list address
{\t\t\ttype if:address-dhcp;\t\t\tordered-by \"user\";\t\t\tdescription \"IP address.\";\t\t\tconfigd:help
\"IP address\";\t\t\tconfigd:create \"vyatta-address add $VAR(../@) $VAR(@)\";\t\t\tconfigd:allowed \"echo
'dhcp dhcpv6 <>'\";\t\t}\t\tleaf mac {\t\t\ttype types:mac-address {\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/interfaces/bridge/mac/configd_syntax1.cli\";\t\t\t}\t\t\tdescription \"Media
Access Control (MAC) address.\";\t\t\tconfigd:help \"Media Access Control (MAC)
address\";\t\t\tconfigd:create \"vyatta-interfaces-bridge --action=set mac --bridge=$VAR(../@) --
val=$VAR(@)\";\t\t\tconfigd:delete \"vyatta-interfaces-bridge --action=del_mac --bridge=$VAR(../@) --
val=$VAR(@)\";\t\t}\t\tleaf aging {\t\t\ttype uint32 {\t\t\t\trange \"0|10..1000000\";\t\t\t}\t\t\tdefault
\"300\";\t\t\tdescription \"Interval learnt MAC addresses are retained (0 for no aging).\";\t\t\tconfigd:help
\"Interval learnt MAC addresses are retained (0 for no aging)\";\t\t\tconfigd:update \"vyatta-interfaces-
bridge --action=set ageing --bridge=$VAR(../@) --val=$VAR(@)\";\t\t}\t\tcontainer ip {\t\t\tdescription
\"IPv4 parameters.\";\t\t\tconfigd:help \"IPv4 parameters\";\t\t}\t\tcontainer ipv6 {\t\t\tpresence
\"true\";\t\t\tdescription \"IPv6 parameters.\";\t\t\tconfigd:help \"IPv6 parameters\";\t\t}\t}\taugment
/if:interfaces {\t\tlist bridge {\t\t\tconfigd:priority \"310\";\t\t\tconfigd:help \"Bridge interface
name\";\t\t\tconfigd:create
\"/opt/vyatta/share/tmplscripts/interfaces/bridge/configd create.sh\";\t\t\tconfigd:delete \"ip link del
$VAR(@)\";\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta-intf-end $VAR(@)\";\t\t\tkey \"tagnode\";\t\t\tleaf
tagnode {\t\t\t\ttype string {\t\t\t\t\tlength 3..15;\t\t\t\t\tpattern \"br[0-
9]+\";\t\t\t\t\tconfigd:pattern-help \"<brN>\";\t\t\t\t}\t\t\t\tdescription \"Bridge interface
name.\";\t\t\t\tconfigd:help \"Bridge interface name\";\t\t\t}\t\t\tuses bridge-base {\t\t\t\trefine address
{\t\t\t\t   configd:priority \"320\";\t\t\t\t}\t\t\t}\t\t\tleaf disable-link-detect {\t\t\t\ttype
empty;\t\t\t\tdescription \"Ignore link state changes.\";\t\t\t\tconfigd:help \"Ignore link state
changes\";\t\t\t\tconfigd:create \"vyatta-link-detect $VAR(../@) off\";\t\t\t\tconfigd:delete \"vyatta-link-
detect $VAR(../@) on\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-interfaces-bonding-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-bonding:1\" revision=\"2016-07-19\" format=\"yang\"
length=\"7341\"module vyatta-interfaces-bonding-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-
bonding:1\";\tprefix vyatta-interfaces-bonding-v1;\timport vyatta-interfaces-vif-v2 {\t\tprefix
vif;\t}\timport vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix
interfaces-dataplane;\t}\timport vyatta-types-v1 {\t\tprefix types;\t}\timport configd-v1 {\t\tprefix
configd;\t}\timport vyatta-interfaces-dataplane-unnumbered-v1 {\t\tprefix interfaces-dataplane-
unnumbered;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t Vyatta interface bonding type (LAG) type Yang model v1 package.\";\trevision 2016-
07-19 {\t\tdescription \"change unnumbered validation scripts to match imported grouping\";\t}\trevision
2016-05-24 {\t\tdescription \"extend MTU range\";\t}\trevision 2016-04-25 {\t\tdescription \"add loadbalance
LAG mode\";\t}\trevision 2015-10-12 {\t\tdescription \"include vlan-protocol option\";\t}\trevision 2015-08-
05 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /if:interfaces {\t\tlist bonding
{\t\t\tconfigd:priority \"315\";\t\t\tconfigd:help \"Bonding interface name\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/bonding/configd validate1.cli\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/bonding/configd_validate2.cli\";\t\t\tconfigd:create \"vyatta-
bonding --create --dev=$VAR(@) --mode=$VAR(mode/@) --lacp_activity=$VAR(lacp-options/activity/@) --
lacp_key=$VAR(lacp-options/key/@)\";\t\t\tconfigd:delete \"vyatta-bonding --delete --
dev=$VAR(@)\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/interfaces/bonding/configd end.sh\";\t\t\tkey
\"tagnode\";\t\t\tleaf tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern \"dp[0-9]+bond(([0-9]$)|([1-9][0-
9]+))\" {\t\t\t\t\t\terror-message \"bonding must be (dpFbond0-
dpFbond99)\";\t\t\t\t\t}\t\t\t\t\tconfigd:pattern-help \"<dpFbondN>\";\t\t\t\t}\t\t\t\tconfigd:help \"Bonding
interface name\";\t\t\t}\t\t\tleaf vlan-protocol {\t\t\t\ttype enumeration {\t\t\t\t\tenum
0x8100;\t\t\t\t\tenum 0x88A8;\t\t\t\t\tenum 0x9100;\t\t\t\t\tenum 0x9200;\t\t\t\t\tenum
0x9300;\t\t\t\t}\t\t\t\tconfigd:priority \"381\";\t\t\t\tconfigd:help \"Vlan Tag Protocol Identifier
(default: 0x8100)\";\t\t\t\tdefault \"0x8100\";\t\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../@)
--update-vlan-proto $VAR(@)\";\t\t\t\tconfigd:delete \"vyatta-interfaces.pl --dev $VAR(../@) --update-vlan-
proto 0x8100\";\t\t\t}\t\t\tuses if:if-parameters;\t\t\tuses vif:vif-group {\t\t\t\trefine vif
{\t\t\t\t\tconfigd:priority \"400\";\t\t\t\t}\t\t\t}\t\t\tleaf primary {\t\t\t\ttype
string;\t\t\t\tconfigd:priority \"390\";\t\t\t\tconfigd:update \"vyatta-bonding --dev=$VAR(../@) --
primary=$VAR(@)\";\t\t\t\tconfigd:delete \"vyatta-bonding --dev=$VAR(../@) --
primary=!$VAR(@)\";\t\t\t\tconfigd:allowed \"vyatta-bonding --dev=$VAR(../@) --list-configured-
slaves\";\t\t\t\tconfigd:help \"Primary device interface\";\t\t\t\tconfigd:validate

```
\"/opt/vyatta/share/tmplscripts/interfaces/bonding/primary/configd_validate1.cli\";\t\t\t}\t\t\tleaf mode
{\t\t\t\ttype enumeration {\t\t\t\t\tenum \"lacp\" {\t\t\t\t\t\tconfigd:help \"IEEE 802.3ad Dynamic link
aggregation (Default)\";\t\t\t\t\t}\t\t\t\t\tenum \"active-backup\" {\t\t\t\t\t\tconfigd:help \"Fault
tolerant: only one slave in the bond is active\";\t\t\t\t\t}\t\t\t\t\tenum \"balanced\"
{\t\t\t\t\t\tconfigd:help \"Aggregated bandwidth: all slaves in the bond are
active\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tdefault \"lacp\";\t\t\t\tconfigd:help \"Bonding
mode\";\t\t\t}\t\t\tcontainer lacp-options {\t\t\t\tconfigd:help \"LACP mode specific options\";\t\t\t\tleaf
activity {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"active\" {\t\t\t\t\t\t\tconfigd:help \"LACP active
mode of operation\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"passive\" {\t\t\t\t\t\t\tconfigd:help \"LACP passive mode
of operation\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tdefault \"active\";\t\t\t\t\tconfigd:help \"LACP activity
mode of operation\";\t\t\t\t}\t\t\t\tleaf key {\t\t\t\t\ttype uint16;\t\t\t\t\tdefault
\"0\";\t\t\t\t\tconfigd:help \"LACP aggregation (operational) key\";\t\t\t\t}\t\t\t}\t\t\tleaf mac
{\t\t\t\ttype types:mac-address;\t\t\t\tconfigd:help \"Media Access Control (MAC)
address\";\t\t\t\tconfigd:update \"vyatta-interfaces.pl --dev $VAR(../@) --set-mac
$VAR(@)\";\t\t\t\tconfigd:delete \"vyatta-bonding --dev=$VAR(../@) --delete mac=$VAR(@)\";\t\t\t}\t\t\tleaf-
list address {\t\t\t\ttype if:address-dhcp;\t\t\t\tordered-by \"user\";\t\t\t\tconfigd:priority
\"320\";\t\t\t\tconfigd:help \"IP address\";\t\t\t\tconfigd:create \"vyatta-address add $VAR(../@)
$VAR(@)\";\t\t\t\tconfigd:allowed \"echo 'dhcp dhcpv6 <>'\";\t\t\t}\t\t\tleaf mtu {\t\t\t\ttype uint32
{\t\t\t\t\trange 68..9000;\t\t\t\t}\t\t\t\tconfigd:priority \"381\";\t\t\t\tconfigd:help \"Maximum
Transmission Unit (MTU)\";\t\t\t\tdefault \"1500\";\t\t\t\tconfigd:update \"ip link set $VAR(../@) mtu
$VAR(@)\";\t\t\t\tconfigd:delete \"ip link set $VAR(../@) mtu 1500\";\t\t\t}\t}\taugment
/if:interfaces/interfaces-dataplane:dataplane {\t\tleaf bond-group {\t\t\ttype string {\t\t\t\tpattern
\"dp[0-9]+bond(([0-9]$)|([1-9][0-9]+))\";\t\t\t}\t\t\tconfigd:pattern-help
\"<dpFbondN>\";\t\t\t}\t\t\tconfigd:priority \"319\";\t\t\tconfigd:help \"Assign interface to bonding
group\";\t\t\tconfigd:allowed \"echo $VAR(/interfaces/bonding/@@)\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/bond-group/configd_validate1.cli\";\t\t\tconfigd:update
\"vyatta-bonding --dev=$VAR(@) --add=$VAR(../@)\";\t\t\tconfigd:delete \"vyatta-bonding --dev=$VAR(@) --
remove=$VAR(../@)\";\t\t}\t}\taugment /if:interfaces/bonding/ip {\t\tcontainer unnumbered {\t\t\tconfigd:help
\"Enable unnumbered IP\";\t\t\tconfigd:priority \"330\";\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta-update-
unnumbered.pl --dev=$VAR(../../@)\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-vrf-check $VAR(../../@)
$VAR(./donor-interface/@@) $VAR(/routing/routing-instance/@@)\";\t\t\tuses interfaces-dataplane-
unnumbered:unnumbered-opts;\t\t}\t}\taugment /if:interfaces/bonding/ipv6 {\t\tcontainer unnumbered
{\t\t\tconfigd:help \"Enable unnumbered IPv6\";\t\t\tconfigd:priority \"330\";\t\t\tconfigd:end
\"/opt/vyatta/sbin/vyatta-update-unnumbered.pl --dev=$VAR(../../@) --ipv6\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-vrf-check $VAR(../../@)
$VAR(./donor-interface/@@) $VAR(/routing/routing-instance/@@)\";\t\t\tuses interfaces-dataplane-
unnumbered:unnumbered-opts-ipv6;\t\t}\t}\taugment /if:interfaces/bonding/vif/ip {\t\tcontainer unnumbered
{\t\t\tconfigd:help \"Enable unnumbered IP\";\t\t\tconfigd:priority \"430\";\t\t\tconfigd:end
\"/opt/vyatta/sbin/vyatta-update-unnumbered.pl --dev=$VAR(../../../@).$VAR(../../@)\";\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-vrf-check
$VAR(../../../@).$VAR(../../@) $VAR(./donor-interface/@@) $VAR(/routing/routing-instance/@@)\";\t\t\tuses
interfaces-dataplane-unnumbered:unnumbered-opts;\t\t}\t}\taugment /if:interfaces/bonding/vif/ipv6
{\t\t\tcontainer unnumbered {\t\t\t\tconfigd:help \"Enable unnumbered IPv6\";\t\t\t\tconfigd:priority
\"430\";\t\t\t\tconfigd:end \"/opt/vyatta/sbin/vyatta-update-unnumbered.pl --dev=$VAR(../../../@).$VAR(../../@)
--ipv6\";\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/interfaces/dataplane/unnumbered/unnumbered-
vrf-check $VAR(../../../@).$VAR(../../@) $VAR(./donor-interface/@@) $VAR(/routing/routing-
instance/@@)\";\t\t\tuses interfaces-dataplane-unnumbered:unnumbered-opts-ipv6;\t\t}\t}}</module<module
name=\"vyatta-system-login-v1\"\"uri=\"urn:vyatta.com:mgmt:vyatta-system-login:1\" revision=\"2016-06-28\"
format=\"yang\" length=\"7224\"module vyatta-system-login-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-
system-login:1\";\tprefix vyatta-system-login-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport
vyatta-system-v1 {\t\tprefix system;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger
Way\t\t        San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t System login configuration\";\trevision 2016-06-28 {\t\tdescription \"Create grouping
for radius-server.\";\t}\trevision 2015-12-04 {\t\tdescription \"Convert comp_help extension to
description.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial revision of version 1.\";\t}\tgrouping
radius-server-group {\t\tlist radius-server {\t\t\tdescription \"Radius server
authentication\";\t\t\tconfigd:help \"Radius server authentication\";\t\t\tkey \"tagnode\";\t\t\tleaf tagnode
{\t\t\t\ttype types:ipv4-address;\t\t\t\tdescription \"Radius server authentication\";\t\t\t\tconfigd:help
\"Radius server authentication\";\t\t\t}\t\t\tleaf port {\t\t\t\ttype uint32 {\t\t\t\t\trange
1..65535;\t\t\t\t}\t\t\t\tdescription \"Radius port\";\t\t\t\tconfigd:help \"Radius port\";\t\t\t\tdefault
\"1812\";\t\t\t}\t\t\tleaf secret {\t\t\t\ttype string;\t\t\t\tdescription \"Secret for radius
access\";\t\t\t\tconfigd:help \"Secret for radius access\";\t\t\t\tmandatory true;\t\t\t}\t\t\tleaf timeout
{\t\t\t\ttype uint32 {\t\t\t\t\trange 1..30;\t\t\t\t}\t\t\t\tdescription \"Timeout in seconds for radius
session\";\t\t\t\tconfigd:help \"Timeout for radius session\";\t\t\t\tdefault \"2\";\t\t\t}\t\t}\t}\taugment
/system:system {\t\tcontainer login {\t\t\tconfigd:priority \"400\";\t\t\tconfigd:help \"User
login\";\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/system/login/configd_delete.sh\";\t\t\tconfigd:end
\"/opt/vyatta/sbin/vyatta_update_login.pl --system\";\t\t\tleaf session-timeout {\t\t\t\ttype uint32
{\t\t\t\t\trange 0..1000000;\t\t\t\t}\t\t\t\tconfigd:help \"Idle Session timeout\";\t\t\t\tdefault
\"0\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/system/login/session-
timeout/configd_update.sh\";\t\t\t}\t\t\tuses radius-server-group;\t\t\tlist group {\t\t\t\tconfigd:help
\"Group name\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/system/login/group/configd_update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/system/login/group/configd_delete.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf
tagnode {\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Group name\";\t\t\t\t}\t\t\t\tleaf description
{\t\t\t\t\ttype string;\t\t\t\t\tconfigd:help \"Description\";\t\t\t\t}\t\t\t}\t\t\tlist user
{\t\t\t\tconfigd:help \"User account information\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode
{\t\t\t\t\ttype string {\t\t\t\t\t\tpattern '[a-zA-Z ][a-zA-Z0-9 -]*' {\t\t\t\t\t\t\tconfigd:error-message
\"Username should only contain lower case letters, digits, underscores or dashes\";
\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/login/user/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\tconfigd:help
```

\"User account information\";\t\t\t\t}\t\t\t\tcontainer authentication {\t\t\t\t\tconfigd:help
\"Authentication password\";\t\t\t\t\tleaf plaintext-password {\t\t\t\t\t\ttype string
{\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/system/login/user/authentication/plaintext-
password/configd syntax.cli\";\t\t\t\t\t}\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\t\tconfigd:help
\"Plaintext password for encryption\";\t\t\t\t\tconfigd:subst
\"/opt/vyatta/share/tmplscripts/system/login/user/authentication/plaintext-
password/configd_subst1.cli\";\t\t\t\t\t}\t\t\t\t\tlist public-keys {\t\t\t\t\t\tconfigd:help \"Remote access
public keys\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/login/user/authentication/public-
keys/configd validate1.cli\";\t\t\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/login/user/authentication/public-
keys/configd_validate2.cli\";\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\ttype
string;\t\t\t\t\t\t\tconfigd:help \"Remote access public keys\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf options
{\t\t\t\t\t\t\ttype string;\t\t\t\t\t\t\tconfigd:help \"Additional public key
options\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf key {\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\tpattern '[0-9A-Za-
z\\+/=]*' {\t\t\t\t\t\t\t\terror-message \"Invalid public key character not base-
64\";\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t}\t\t\t\t\t\t\tdescription \"The public key is usually several hundred
bytes long (because of the\t\t\t\t\t\t\t   size of the public key encoding). Use the loadkey tool to read
the key\t\t\t\t\t\t\t   from a URL or file.\";\t\t\t\t\t\t\tconfigd:help \"Public key value (base64-
encoded)\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf type {\t\t\t\t\t\t\ttype string {\t\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/login/user/authentication/public-
keys/type/configd syntax1.cli\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tconfigd:help \"Public key
type\";\t\t\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/system/login/user/authentication/public-
keys/type/configd_allowed.sh\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf encrypted-password {\t\t\t\t\t\ttype
string {\t\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/login/user/authentication/encrypted-
password/configd_syntax1.cli\";\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\t\tconfigd:help
\"Encrypted password\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tleaf home-directory {\t\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:help \"Home directory\";\t\t\t\t}\t\t\t\tleaf-list group {\t\t\t\ttype string
{\t\t\t\t\tpattern '[a-zA-Z_][a-zA-Z0-9_-]*?' {\t\t\t\t\t\tconfigd:error-message \"Invalid group name
$VAR(@)\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/system/login/user/group/configd syntax1.cli\";\t\t\t\t}\t\t\t\tordered-by
\"user\";\t\t\t\tconfigd:help \"Additional group membership\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/login/user/group/configd_allowed.sh\";\t\t\t\tconfigd:validate
\"/opt/vyatta/share/tmplscripts/system/login/user/group/configd validate1.cli\";\t\t\t\t}\t\t\t\tleaf level
{\t\t\t\ttype enumeration {\t\t\t\t\tenum \"admin\" {\t\t\t\t\t\tconfigd:help
\"Administrators\";\t\t\t\t\t}\t\t\t\t\tenum \"operator\" {\t\t\t\t\t\tconfigd:help
\"Operators\";\t\t\t\t\t}\t\t\t\t\tenum \"superuser\" {\t\t\t\t\t\tconfigd:help
\"Superusers\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"User privilege level\";\t\t\t\tdefault
\"admin\";\t\t\t\tconfigd:allowed
\"/opt/vyatta/share/tmplscripts/system/login/user/level/configd allowed.sh\";\t\t\t\t}\t\t\t\tleaf full-name
{\t\t\t\ttype string {\t\t\t\t\tpattern '[^:]*' {\t\t\t\t\t\terror-message \"Cannot use ':' in full
name\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Full name of the user (use quotes for names with
spaces)\";\t\t\t}\t\t\t}\t\t\tcontainer banner {\t\t\tconfigd:help \"System login banners\";\t\t\tleaf
pre-login {\t\t\t\ttype string;\t\t\t\tdescription \"Pre-login banner\t\t\t\t   Example:
'\\\n\\\n\\\tUNAUTHORIZED USE OF THIS SYSTEM\\\nIS PROHIBITED!\\\n'\";\t\t\t\tconfigd:help \"System
login banner pre-login\";\t\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/system/login/banner/pre-
login/configd update.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/login/banner/pre-
login/configd_delete.sh\";\t\t\t}\t\t\tleaf post-login {\t\t\t\ttype string;\t\t\t\tdescription
\"Post-login banner\t\t\t\t   Example: '\\\n\\\n\\\tWelcome to
Vyatta!\\\n'\";\t\t\t\tconfigd:help \"System login banner post-login\";\t\t\t\tconfigd:update
\"/opt/vyatta/share/tmplscripts/system/login/banner/post-login/configd update.sh\";\t\t\t\tconfigd:delete
\"/opt/vyatta/share/tmplscripts/system/login/banner/post-
login/configd delete.sh\";\t\t\t}\t\t}\t\t}\t}}</module<module name=\"vyatta-service-telnet-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-telnet:1\" revision=\"2016-03-21\" format=\"yang\"
length=\"2799\"module vyatta-service-telnet-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-
telnet:1\";\tprefix vyatta-service-telnet-v1;\timport vyatta-types-v1 {\tprefix types;\t}\timport vyatta-
services-v1 {\tprefix service;\t}\timport configd-v1 {\tprefix configd;\t}\timport vyatta-system-v1
{\tprefix system;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade
Communications Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail:
support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade
Communications Systems, Inc.\t\t All rights reserved.\t\t Telnet configuration\";\trevision 2016-03-21
{\t\tdescription \"Use grouping for telnet service.\";\t}\trevision 2015-08-14 {\t\tdescription \"Initial
revision of version 1.\";\t}\tgrouping telnet-service-grouping {\t\tleaf port {\t\t\ttype uint32
{\t\t\t\trange 1..65535;\t\t\t}\t\t\tdefault \"23\";\t\t\tdescription \"Port for telnet
service\";\t\t\tconfigd:delete \"vyatta update telnet --vrf=$VAR(../../../../routing-instance/@) --
operation=disable\";\t\t\tconfigd:help \"Port for telnet service\";\t\t}\t\tleaf listen-address {\t\t\ttype
union {\t\t\t\ttype types:ipv4-address;\t\t\t\ttype types:ipv6-address;\t\t\t}\t\t\tdescription \"Local
address telnet should listen on\";\t\t\tconfigd:delete \"vyatta_update_telnet --vrf=$VAR(../../../../routing-
instance/@) --operation=disable\";\t\t\tconfigd:help \"Local address telnet should listen
on\";\t\t}\t\t}\taugment /service:service {\t\tcontainer telnet {\t\t\tpresence \"enable
telnet\";\t\t\tdescription \"Telnet service\";\t\t\tconfigd:priority \"500\";\t\t\tconfigd:help
\"Enable/disable Network Virtual Terminal Protocol (TELNET) protocol\";\t\t\tconfigd:delete
\"vyatta_update_telnet --operation=disable\";\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/service/telnet/configd end.sh\";\t\t\tleaf allow-root {\t\t\ttype
empty;\t\t\tstatus deprecated;\t\t\tdescription \"Enable root login over telnet\";\t\t\tconfigd:create
\"vyatta update telnet --operation=allow-root --allowroot=true\";\t\t\tconfigd:delete
\"vyatta_update_telnet --operation=allow-root --allowroot=false\";\t\t\tconfigd:help \"Enable root login
over telnet\";\t\t\t}\t\tuses telnet-service-grouping;\t\t}\t}\taugment /system:system {\tcontainer
telnet {\t\t\tdescription \"System-wide options for telnet service\";\t\t\tconfigd:help \"System-wide options
for telnet service\";\t\t\tleaf allow-root {\t\t\tmust \"not(/service:service/telnet/allow-root)\"
{\t\t\t\terror-message \"Cannot configure 'allow-root' option in both system and
service\";\t\t\t}\t\t\ttype empty;\t\t\tdescription \"Enable root login over
telnet\";\t\t\t\tconfigd:create \"vyatta_update_telnet --operation=allow-root --

allowroot=true\";\t\t\t\tconfigd:delete \"vyatta_update_telnet --operation=allow-root --
allowroot=false\";\t\t\t\tconfigd:help \"Enable root login over telnet\";\t\t\t}\t\t}\t}}</module<module
name=\"vyatta-security-vpn-l2tp-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-security-vpn-l2tp:1\" revision=\"2015-
08-14\" format=\"yang\" length=\"7154\"module vyatta-security-vpn-l2tp-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-security-vpn-l2tp:1\";\tprefix vyatta-security-vpn-l2tp-v1;\timport vyatta-
security-v1 {\tprefix security;\t}\timport vyatta-security-vpn-ipsec-v1 {\tprefix security-vpn-
ipsec;\t}\timport vyatta-types-v1 {\tprefix types;\t}\timport configd-v1 {\tprefix
configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications
Systems, Inc.\t\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t
Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t\t
All rights reserved.\t\t The YANG module for vyatta-security-vpn-l2tp-v1\";\trevision 2015-08-14
{\t\tdescription \"Initial revision of version 1.\";\t}\taugment /security:security/security-vpn-ipsec:vpn
{\tcontainer l2tp {\t\tpresence \"true\";\t\t\tconfigd:help \"Layer 2 Tunneling Protocol (L2TP) Virtual
Private Network (VPN)\";\t\t\tcontainer remote-access {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help
\"Remote access L2TP VPN\";\t\t\t\tcontainer authentication {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"Authentication for remote access L2TP VPN\";\t\t\t\tlist radius-server
{\t\t\t\t\tconfigd:help \"IP address of radius server\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf
tagnode {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"IP address of radius
server\";\t\t\t\t\t}\t\t\t\t\tleaf key {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Key for
accessing the specified server\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer local-users
{\t\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Local user authentication for remote access L2TP
VPN\";\t\t\t\tlist username {\t\t\t\t\tconfigd:help \"User name for
authentication\";\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\ttype
string;\t\t\t\t\t\tconfigd:help \"User name for authentication\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf
password {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\tconfigd:help
\"Password for authentication\";\t\t\t\t\t}\t\t\t\t\t\tleaf disable {\t\t\t\t\t\ttype
empty;\t\t\t\t\tconfigd:help \"Option to disable L2TP remote-access
user\";\t\t\t\t\t}\t\t\t\t\t\tleaf static-ip {\t\t\t\t\t\ttype types:ipv4-
address;\t\t\t\t\tconfigd:help \"Static IP
address\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t}\t\t\t\tleaf mode {\t\t\t\t\ttype enumeration
{\t\t\t\t\t\tenum \"local\" {\t\t\t\t\t\tconfigd:help \"Use username/password in the
configuration\";\t\t\t\t\t}\t\t\t\t\t\tenum \"radius\" {\t\t\t\t\tconfigd:help \"Use Radius
server\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Authentication mode for remote access L2TP
VPN\";\t\t\t\t}\t\t\t\t}\t\t\tleaf description {\t\t\t\ttype string;\t\t\t\tconfigd:help
\"Description for L2TP remote-access settings\";\t\t\t\t}\t\t\tleaf mtu {\t\t\t\ttype uint32
{\t\t\t\t\trange 128..16384 {\t\t\t\t\terror-message \"MTU must be between 128 and 16384
bytes\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Maximum Transmission Unit
(MTU)\";\t\t\t\t}\t\t\tcontainer server-ip-pool {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Pool
of IP addresses for the Server\";\t\t\t\tleaf stop {\t\t\t\ttype types:ipv4-
address;\t\t\t\tconfigd:help \"Last IP address in the pool\";\t\t\t\t}\t\t\t\tleaf start
{\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"First IP address in the
pool\";\t\t\t\t}\t\t\t}\t\t\tcontainer ipsec-settings {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"Internet Protocol Security (IPsec) for remote access L2TP
VPN\";\t\t\t\tcontainer authentication {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"IPsec
authentication settings\";\t\t\t\tleaf pre-shared-secret {\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:secret \"true\";\t\t\t\tconfigd:help \"Pre-shared secret for
IPsec\";\t\t\t\t}\t\t\t\tcontainer x509 {\t\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help
\"X.509 certificate\";\t\t\t\t\tleaf server-cert-file {\t\t\t\t\t\ttype string
{\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/security/vpn/l2tp/remote-access/ipsec-
settings/authentication/x509/server-cert-
file/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"File containing the X.509
certificate for the remote access VPN server (this host)\";\t\t\t\t\t}\t\t\t\t\t\tleaf ca-cert-file
{\t\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/security/vpn/l2tp/remote-access/ipsec-settings/authentication/x509/ca-cert-
file/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"File containing the X.509
certificate for the Certificate Authority (CA)\";\t\t\t\t\t}\t\t\t\t\t\tleaf server-key-file
{\t\t\t\t\t\ttype string {\t\t\t\t\t\tconfigd:syntax
\"/opt/vyatta/share/tmplscripts/security/vpn/l2tp/remote-access/ipsec-settings/authentication/x509/server-
key-file/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"File containing the private
key for the X.509 certificate for the remote access VPN server (this
host)\";\t\t\t\t\t}\t\t\t\t\t\tleaf server-key-password {\t\t\t\t\t\ttype
string;\t\t\t\t\tconfigd:secret \"true\";\t\t\t\t\tconfigd:help \"Password that protects the
private key\";\t\t\t\t\t}\t\t\t\t\t\tleaf crl-file {\t\t\t\t\t\ttype string
{\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/security/vpn/l2tp/remote-access/ipsec-
settings/authentication/x509/crl-file/configd_syntax1.cli\";\t\t\t\t\t}\t\t\t\t\t\tconfigd:help
\"File containing the X.509 Certificate Revocation List (CRL)\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf
mode {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"pre-shared-secret\"
{\t\t\t\t\t\tconfigd:help \"Use pre-shared secret for IPsec
authentication\";\t\t\t\t\t}\t\t\t\t\t\tenum \"x509\" {\t\t\t\t\t\tconfigd:help \"Use X.509
certificate for IPsec authentication\";\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help
\"Authentication mode for IPsec\";\t\t\t\t}\t\t\t\t}\t\t\t\tleaf ike-lifetime {\t\t\t\ttype
uint32 {\t\t\t\t\trange 30..86400 {\t\t\t\t\terror-message \"must between 30-86400
seconds\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"IKE lifetime\";\t\t\t\tdefault
\"3600\";\t\t\t\t}\t\t\t}\t\t\tleaf outside-address {\t\t\t\ttype types:ipv4-
address;\t\t\t\tconfigd:help \"Outside IP address to which VPN clients will connect\";\t\t\t}\t\t\tleaf
outside-nexthop {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"Nexthop IP address for reaching
the VPN clients\";\t\t\t}\t\t\tleaf dhcp-interface {\t\t\t\ttype string;\t\t\t\tconfigd:help \"DHCP
interface to listen on\";\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/security/vpn/l2tp/remote-
access/dhcp-interface/configd_allowed.sh\";\t\t\t}\t\t\tcontainer dns-servers {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"Domain Name Service (DNS) server\";\t\t\t\tleaf server-1
{\t\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help \"Primary DNS
server\";\t\t\t\t}\t\t\t\tleaf server-2 {\t\t\t\ttype types:ipv4-address;\t\t\t\tconfigd:help
\"Secondary DNS server\";\t\t\t\t}\t\t\t}\t\t\tcontainer wins-servers {\t\t\t\tpresence
\"true\";\t\t\t\tconfigd:help \"Windows Internet Name Service (WINS) server settings\";\t\t\t\tleaf

server-1 {\t\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"Primary WINS server\";\t\t\t\t\t}\t\t\t\t\tleaf server-2 {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"Secondary WINS server\";\t\t\t\t}\t\t\t\t}\t\t\t\tcontainer client-ip-pool {\t\t\t\tpresence \"true\";\t\t\t\tconfigd:help \"Pool of IP address to be assigned to remote clients\";\t\t\t\t\tleaf stop {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"Last IP address in the pool\";\t\t\t\t}\t\t\t\t\tleaf start {\t\t\t\t\ttype types:ipv4-address;\t\t\t\t\tconfigd:help \"First IP address in the pool\";\t\t\t\t}\t\t\t}\t\t\t}\t\t}}</module><module name=\"vyatta-system-misc-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-misc:1\" revision=\"2016-03-02\" format=\"yang\" length=\"3291\"module vyatta-system-misc-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-misc:1\";\tprefix vyatta-system-misc-v1;\timport vyatta-system-v1 {\t\tprefix system;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t Miscallaneous system configuration\";\trevision 2016-03-02 {\tdescription \"serial-boot-console added\";\t}trevision 2015-08-14 {\tdescription \"Initial revision of version 1.\";\t}\taugment /system:system {\t\tcontainer console {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"100\";\t\t\tconfigd:help \"Serial console configuration\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/system/console/configd_end.sh\";\t\t\tleaf serial-boot-console {\t\t\t\tdescription \"This serial console will be used for boot messages.\"\t\t\t\t\t+ \" If this does not exist then tty0 will be used\";\t\t\t\tconfigd:help \"Serial console to use for boot messages\";\t\t\t\ttype leafref {\t\t\t\t\tpath \"../device/tagnode\";\t\t\t\t}\t\t\t\tmust \"not (../device[tagnode=current()]/modem)\"{\t\t\t\t\terror-message \"boot-console cannot be a modem console\";\t\t\t\t}\t\t\t}\t\t\tleaf powersave {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Enable screen blank powersaving on VGA console\";\t\t\t\tconfigd:create \"/opt/vyatta/share/tmplscripts/system/console/powersave/configd_create.sh\";\t\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/console/powersave/configd_delete.sh\";\t\t\t}\t\t\tlist device {\t\t\t\tconfigd:help \"Serial console device name\";\t\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/system/console/device/configd_end.sh\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\ttype string {\t\t\t\t\t\tpattern \"((tty[A-Z])|ttyUSB|(hvc)){1}[0-9]+\" {\t\t\t\t\t\t\tconfigd:error-message \"console $VAR(@): not a valid tty name\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Serial console device name\";\t\t\t\t}\t\t\t\tleaf modem {\t\t\t\t\ttype empty;\t\t\t\t\tconfigd:help \"Device is Hayes compatible modem\";\t\t\t\t}\t\t\t\tleaf speed {\t\t\t\t\ttype enumeration {\t\t\t\t\t\tenum \"1200\" {\t\t\t\t\t\t\tconfigd:help \"1200 bps\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"2400\" {\t\t\t\t\t\t\tconfigd:help \"2400 bps\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"4800\" {\t\t\t\t\t\t\tconfigd:help \"4800 bps\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"9600\" {\t\t\t\t\t\t\tconfigd:help \"9600 bps (default)\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"19200\" {\t\t\t\t\t\t\tconfigd:help \"19,200 bps\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"38400\" {\t\t\t\t\t\t\tconfigd:help \"38,400 bps\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"57600\" {\t\t\t\t\t\t\tconfigd:help \"57,600 bps\";\t\t\t\t\t\t}\t\t\t\t\t\tenum \"115200\" {\t\t\t\t\t\t\tconfigd:help \"115,200 bps\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Console baud rate\";\t\t\t\t\tdefault \"9600\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/system/console/device/speed/configd_allowed.sh\";\t\t\t\t}\t\t\t}\t\t}\tcontainer options {\t\tpresence \"true\";\t\tconfigd:priority \"400\";\t\tconfigd:help \"System options\";\t\tleaf reboot-on-panic {\t\t\ttype boolean;\t\t\tconfigd:help \"Reboot system on kernel panic\";\t\t\tdefault \"true\";\t\t\tconfigd:update \"/opt/vyatta/share/tmplscripts/system/options/reboot-on-panic/configd_update1.cli\";\t\t\tconfigd:delete \"/opt/vyatta/share/tmplscripts/system/options/reboot-on-panic/configd_delete1.cli\";\t\t}\t}}</module><module name=\"vyatta-service-dhcpv6-server-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-dhcpv6-server:1\" revision=\"2016-04-20\" format=\"yang\" length=\"7293\"module vyatta-service-dhcpv6-server-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-dhcpv6-server:1\";\tprefix vyatta-service-dhcpv6-server-v1;\timport vyatta-types-v1 {\t\tprefix types;\t}\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t The YANG module for vyatta-service-dhcpv6-server-v1\";\trevision 2016-04-20 {\tdescription \"grouping dhcpv6-server-service\";\t}\trevision 2015-09-30 {\tdescription \"use hardware address to identify host in static-mapping\";\t}\trevision 2015-09-16 {\tdescription \"fix prefix-delegation bug\";\t}\trevision 2015-08-14 {\tdescription \"Initial revision of version 1.\";\t}\tgrouping dhcpv6-server-service {\t\tcontainer dhcpv6-server {\t\t\tpresence \"true\";\t\t\tconfigd:priority \"900\";\t\t\tconfigd:help \"DHCP for IPv6 (DHCPv6) server\";\t\t\tconfigd:end \"/opt/vyatta/share/tmplscripts/service/dhcpv6-server/configd_end.sh default\";\t\t\tleaf preference {\t\t\t\ttype uint32 {\t\t\t\t\trange 0..255 {\t\t\t\t\t\terror-message \"Preference must be between 0 and 255\";\t\t\t\t\t}\t\t\t\t}\t\t\t\tconfigd:help \"Preference of this DHCPv6 server compared with others\";\t\t\t}\t\t\tcontainer listento {\t\t\t\tconfigd:help \"force dhcpdv6 listens to interfaces\";\t\t\t\tleaf-list interface {\t\t\t\t\ttype string;\t\t\t\t\tordered-by \"user\";\t\t\t\t\tconfigd:help \"interfaces dhcpdv6 listens to\";\t\t\t\t\tconfigd:allowed \"/opt/vyatta/share/tmplscripts/service/dhcpv6-server/interface/configd_allowed.sh\";\t\t\t\t\tconfigd:validate \"/opt/vyatta/share/tmplscripts/service/dhcpv6-server/configd_validate1.cli\";\t\t\t\t}\t\t\t}\t\t\tlist static-mapping {\t\t\t\tconfigd:help \"Name of static mapping\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\t\t   type string;\t\t\t\t\t   configd:help \"Name of static mapping\";\t\t\t\t}\t\t\t\tleaf identifier {\t\t\t\t\tmandatory true;\t\t\t\t\ttype union {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tconfigd:syntax \"/opt/vyatta/share/tmplscripts/service/dhcpv6-server/static-mapping/configd_syntax1.cli\";\t\t\t\t\t\t\tconfigd:help \"DUID: DUID-LLT, DUID-EN, DUID-EL or DUID-UUID\";\t\t\t\t\t\t}\t\t\t\t\t\ttype types:mac-address;\t\t\t\t\t}\t\t\t\t\tconfigd:help \"Static mapping identifier: either DUID or mac-address\";\t\t\t\t}\t\t\t\tleaf ipv6-address {\t\t\t\t\tmandatory true;\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\tconfigd:help \"Client IPv6 address for this static mapping\";\t\t\t\t}\t\t\t}\t\t\tlist shared-network-name {\t\t\t\tconfigd:help \"DHCPv6 shared network name [REQUIRED]\";\t\t\t\tkey \"tagnode\";\t\t\t\tleaf tagnode {\t\t\t\ttype string {\t\t\t\t\tpattern '[- a-zA-Z0-9\\.]+' {\t\t\t\t\t\tconfigd:error-message \"invalid DHCP pool name \"$VAR(@)\"\";\t\t\t\t\t}\t\t\t\t}\t\t\t\t\tconfigd:help \"DHCPv6 shared network name [REQUIRED]\";\t\t\t}\t\t\t\tlist subnet {\t\t\t\t\tconfigd:help \"IPv6 DHCP subnet for this shared network

[REQUIRED]\";\t\t\t\t\tkey \"tagnode\";\t\t\t\t\tleaf tagnode {\t\t\t\t\t\ttype types:ipv6-prefix;\t\t\t\t\t\tconfigd:help \"IPv6 DHCP subnet for this shared network [REQUIRED]\";\t\t\t\t\t}\t\t\t\t\tleaf description {\t\t\t\t\t\ttype string;\t\t\t\t\t\tconfigd:help \"Description of this subnet\";\t\t\t\t\t}\t\t\t\t\tleaf-list domain-search {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[-_a-zA-Z0-9\\.]+' {\t\t\t\t\t\t\t\tconfigd:error-message \"invalid domain name syntax \"$VAR(@)\"\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"Domain name for client to search\";\t\t\t\t\t}\t\t\t\t\tleaf-list nisplus-server {\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IPv6 address of a NIS Plus server\";\t\t\t\t\t}\t\t\t\t\tleaf-list nis-server {\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IPv6 address of a NIS server\";\t\t\t\t\t}\t\t\t\t\tcontainer address-range {\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\tconfigd:help \"Parameters setting ranges for assigning IPv6 addresses\";\t\t\t\t\t\tlist prefix {\t\t\t\t\t\t\tconfigd:help \"IPv6 prefix defining range of addresses to assign\";\t\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\t\ttype types:ipv6-prefix;\t\t\t\t\t\t\t\tconfigd:help \"IPv6 prefix defining range of addresses to assign\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tleaf temporary {\t\t\t\t\t\t\t\ttype empty;\t\t\t\t\t\t\t\tconfigd:help \"Address range will be used for temporary addresses\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tlist start {\t\t\t\t\t\t\tconfigd:help \"First in range of consecutive IPv6 addresses to assign\";\t\t\t\t\t\t\tkey \"tagnode\";\t\t\t\t\t\t\tleaf tagnode {\t\t\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\t\t\tconfigd:help \"First in range of consecutive IPv6 addresses to assign\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tleaf stop {\t\t\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\t\t\tconfigd:help \"Last in range of consecutive IPv6 addresses\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf nisplus-domain {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[- a-zA-Z0-9\\.]+' {\t\t\t\t\t\t\t\tconfigd:error-message \"invalid NIS Plus domain name syntax \"$VAR(@)\"\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"NIS Plus domain name for client to use\";\t\t\t\t\t}\t\t\t\t\tleaf-list sip-server-name {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[- a-zA-Z0-9\\.]+' {\t\t\t\t\t\t\t\tconfigd:error-message \"invalid SIP server name syntax \"$VAR(@)\"\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"SIP server name\";\t\t\t\t\t}\t\t\t\t\tleaf-list name-server {\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IPv6 address of a Recursive DNS Server\";\t\t\t\t\t}\t\t\t\t\tleaf-list sip-server-address {\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IPv6 address of a SIP name server\";\t\t\t\t\t}\t\t\t\t\tcontainer prefix-delegation {\t\t\t\t\t\tconfigd:help \"Parameters relating to IPv6 prefix delegation\";\t\t\t\t\t\tlist start {\t\t\t\t\t\t\tconfigd:help \"First in range of IPv6 addresses to be used in prefix delegation\";\t\t\t\t\t\t\tkey \"startip\";\t\t\t\t\t\t\tleaf startip {\t\t\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\t\t\tconfigd:help \"First in range of IPv6 addresses to be used in prefix delegation\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tleaf stop {\t\t\t\t\t\t\t\tmandatory true;\t\t\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\t\t\tconfigd:help \"Last in range of IPv6 addresses to be used in prefix delegation\";\t\t\t\t\t\t\t}\t\t\t\t\t\t\tleaf prefix-length {\t\t\t\t\t\t\t\tmandatory true;\t\t\t\t\t\t\t\ttype uint32 {\t\t\t\t\t\t\t\t\trange 0..128;\t\t\t\t\t\t\t\t}\t\t\t\t\t\t\t\tconfigd:help \"Length in bits of prefixes to be delegated\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t\tleaf-list sntp-server {\t\t\t\t\t\ttype types:ipv6-address;\t\t\t\t\t\tordered-by \"user\";\t\t\t\t\t\tconfigd:help \"IPv6 address of an SNTP Server for client to use\";\t\t\t\t\t}\t\t\t\t\tleaf nis-domain {\t\t\t\t\t\ttype string {\t\t\t\t\t\t\tpattern '[- a-zA-Z0-9\\.]+' {\t\t\t\t\t\t\t\tconfigd:error-message \"invalid NIS domain name syntax \"$VAR(@)\"\";\t\t\t\t\t\t\t}\t\t\t\t\t\t}\t\t\t\t\t\tconfigd:help \"NIS domain name for client to use\";\t\t\t\t\t}\t\t\t\t\tcontainer lease-time {\t\t\t\t\t\tpresence \"true\";\t\t\t\t\t\tconfigd:help \"Parameters relating to the lease time\";\t\t\t\t\t\tleaf maximum {\t\t\t\t\t\t\ttype uint32;\t\t\t\t\t\t\tconfigd:help \"Maximum time (in seconds) that will be assigned to a lease\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf default {\t\t\t\t\t\t\ttype uint32;\t\t\t\t\t\t\tconfigd:help \"Default time (in seconds) that will be assigned to a lease\";\t\t\t\t\t\t}\t\t\t\t\t\tleaf minimum {\t\t\t\t\t\t\ttype uint32;\t\t\t\t\t\t\tconfigd:help \"Minimum time (in seconds) that will be assigned to a lease\";\t\t\t\t\t\t}\t\t\t\t\t}\t\t\t\t}\t}\taugment /service:service {\t\tuses dhcpv6-server-service;\t}}</module<module name=\"vyatta-service-snmp-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-snmp-routing-instance:1\" revision=\"2016-03-07\" format=\"yang\" length=\"2431\"module vyatta-service-snmp-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-service-snmp-routing-instance:1\";\tprefix vyatta-service-snmp--routing-instance-v1;\timport vyatta-services-v1 {\t\tprefix service;\t}\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-service-snmp-v1 {\t\tprefix snmp;\t}\timport vyatta-routing-v1 {\t\tprefix vyatta-routing;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t All rights reserved.\t SNMP routing-instance configuration\";\trevision 2016-03-07 {\t\tdescription \"Added support for VRF-aware SNMP.\";\t}}\tgrouping routing-instance-group {\t\tleaf routing-instance {\t\t\tdescription \"This leaf is used to associate a routing-instance with trap-target,\t\t\t   allowing VRF specific traps to be sent to specific trap receivers.\";\t\t\tconfigd:help \"Specifies the routing-instance for trap-target\";\t\t\ttype leafref {\t\t\t\tpath \"/vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-routing:instance-name\";\t\t\t}\t\t}\t}\taugment /service:service/snmp:snmp/snmp:trap-target {\t\tuses routing-instance-group {\t\t\trefine routing-instance {\t\t\t\tconfigd:help \"Specifies routing-instance for SNMPv2 trap-target, default otherwise\";\t\t\t}\t\t}\t}\taugment /service:service/snmp:snmp/snmp:community {\t\tleaf context {\t\t\tdescription \"This leaf is used to map a context to SNMP v1/v2c community string.\";\t\t\tconfigd:help \"Defines the name of the routing instance\";\t\t\ttype leafref {\t\t\t\tpath \"/vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-routing:instance-name\";\t\t\t}\t\t}\t}\taugment /service:service/snmp:snmp/snmp:v3/snmp:trap-target {\t\tuses routing-instance-group {\t\t\trefine routing-instance {\t\t\t\tconfigd:help \"Specifies routing-instance for SNMPv3 trap-target, default otherwise\";\t\t\t}\t\t}\t}\taugment /service:service/snmp:snmp {\t\tleaf-list routing-instance {\t\t\tdescription \"This leaf specifies the routing-instance SNMP agent is listening\t\t\t\ton for incoming SNMP requests.\";\t\t\tconfigd:help \"Specifies the routing-instance to listen on for SNMP requests\";\t\t\tmax-elements \"1\";\t\t\ttype leafref {\t\t\t\tpath \"/vyatta-routing:routing/vyatta-routing:routing-instance/vyatta-routing:instance-name\";\t\t\t}\t\t}\t}}</module<module name=\"vyatta-system-session-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-system-session-routing-instance:1\" revision=\"2016-06-17\" format=\"yang\" length=\"1041\"module vyatta-system-session-routing-instance-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-system-session-routing-instance:1\";\tprefix vyatta-system-session-routing-instance-v1;\timport vyatta-routing-v1 {\t\tprefix routing;\t}\timport vyatta-system-session-v1 {\t\tprefix system-session;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger

Way\t\t\t San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t YANG module for Vyatta firewall session configuration and operation\t\t for routing
instances.\";\trevision 2016-06-17 {\t\tdescription \"Initial revision.\";\t}\taugment
/routing:routing/routing:routing-instance/routing:system {\t\tcontainer session {\t\t\tdescription
\"Configure timeouts for session\";\t\t\tconfigd:help \"Configure timeouts for session\";\t\t\tuses system-
session:timeout-group;\t\t}\t}}</module><module name=\"vyatta-service-dhcp-server-routing-instance-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-service-dhcp-server-routing-instance:1\" revision=\"2016-06-12\"
format=\"yang\" length=\"2487\"module vyatta-service-dhcp-server-routing-instance-v1 {\tnamespace
\"urn:vyatta.com:mgmt:vyatta-service-dhcp-server-routing-instance:1\";\tprefix vyatta-service-dhcp-server-
routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-service-dhcp-server-v1
{\t\tprefix server;\t}\timport vyatta-routing-v1 {\t\tprefix routing;\t}\timport vyatta-interfaces-v1
{\t\tprefix if;\t}\timport vyatta-interfaces-bridge-v1 {\t\tprefix if-bridge;\t}\timport vyatta-interfaces-
dataplane-v1 {\t\tprefix if-dataplane;\t}\timport vyatta-interfaces-bonding-v1 {\t\tprefix if-
bonding;\t}\timport vyatta-routing-instance-interfaces-v1 {\t\tprefix rtintf;\t}\torganization \"Brocade
Communications Systems, Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger
Way\t\t   San Jose, CA 95134\t\t E-mail: support@Brocade.com\t\t Web:
www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade Communications Systems, Inc.\t\t All
rights reserved.\t\t The YANG module for vyatta-service-dhcp-server-routing-instance-v1\";\trevision 2016-06-
12 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment /routing:routing/routing:routing-
instance/routing:service {\t\tuses server:dhcp-server-service {\t\t\trefine dhcp-server {\t\t\t\tconfigd:end
\"/opt/vyatta/share/tmplscripts/service/dhcp-server/configd vrf end1.cli\";\t\t\t}\t\t\trefine dhcp-
server/listento/interface {\t\t\t\tconfigd:allowed \"vyatta-show-interfaces.pl --vrf=$VAR(../../../../@) --
action=dhcp_allowed\";\t\t\t\tmust \"(current() = /if:interfaces/if-dataplane:dataplane/if-
dataplane:tagnode)\"\t\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-
dataplane:dataplane\"\t\t\t\t\t+ \"[if-dataplane:tagnode = substring-before(current(), '.')]/if-
dataplane:vif/if-dataplane:tagnode)\"\t\t\t\t\t+ \"or (current() = /if:interfaces/if-bridge:bridge/if-
bridge:tagnode)\"\t\t\t\t\t+ \"or (current() = /if:interfaces/if-bonding:bonding/if-
bonding:tagnode)\"\t\t\t\t\t+ \"or (substring-after(current(), '.') = /if:interfaces/if-
bonding:bonding\"\t\t\t\t\t+ \"[if-bonding:tagnode = substring-before(current(), '.')]/if-bonding:vif/if-
bonding:tagnode)\" {\t\t\t\terror-message \"Interface name must refer to an existing dataplane, bonding or
bridge interface name\";\t\t\t}\t\t\t\tmust \"current() = /routing:routing/routing:routing-instance\"
+\t\t\t\t\t\"[routing:instance-name = current()/../../../../routing:instance-name]\"
+\t\t\t\t\t\"/rtintf:interface/rtintf:name\" {\t\t\t\terror-message \"Interface must be configured in this
routing instance\";\t\t\t}\t\t\t}\t\t}\t}}</module><module name=\"vyatta-interfaces-policy-
v1\"uri=\"urn:vyatta.com:mgmt:vyatta-interfaces-policy:1\" revision=\"2015-10-05\" format=\"yang\"
length=\"1495\"module vyatta-interfaces-policy-v1 {\tnamespace \"urn:vyatta.com:mgmt:vyatta-interfaces-
policy:1\";\tprefix vyatta-interfaces-policy-v1;\timport vyatta-policy-v1 {\t\tprefix policy;\t}\timport
vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-dataplane-v1 {\t\tprefix interfaces-
dataplane;\t}\timport vyatta-interfaces-l2tpeth-v1 {\t\tprefix interfaces-l2tpeth;\t}\timport vyatta-
interfaces-bonding-v1 {\t\tprefix interfaces-bonding;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t \t San Jose, CA
95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2014-2016
by Brocade Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-interfaces-
policy-v1\";\trevision 2015-10-05 {\t\tdescription \"Initial revision of version 1.\";\t}\taugment
/if:interfaces/interfaces-dataplane:dataplane {\t\tuses policy:policy-binding;\t}\taugment
/if:interfaces/interfaces-dataplane:dataplane/interfaces-dataplane:vif {\t\tuses policy:policy-
binding;\t}\taugment /if:interfaces/interfaces-l2tpeth:l2tpeth {\t\tuses policy:policy-binding;\t}\taugment
/if:interfaces/interfaces-l2tpeth:l2tpeth/interfaces-l2tpeth:vif {\t\tuses policy:policy-binding;\t}\taugment
/if:interfaces/interfaces-bonding:bonding {\t\tuses policy:policy-binding;\t}\taugment
/if:interfaces/interfaces-bonding:bonding/interfaces-bonding:vif {\t\tuses policy:policy-
binding;\t}}</module><module name=\"vyatta-ssl-vpn-bundler-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-ssl-vpn-
bundler:1\" revision=\"2015-08-14\" format=\"yang\" length=\"1198\"module vyatta-ssl-vpn-bundler-v1
{\tnamespace \"urn:vyatta.com:mgmt:vyatta-ssl-vpn-bundler:1\";\tprefix vyatta-ssl-vpn-bundler-v1;\timport
vyatta-interfaces-v1 {\t\tprefix if;\t}\timport vyatta-interfaces-openvpn-v1 {\t\tprefix interfaces-
openvpn;\t}\timport configd-v1 {\t\tprefix configd;\t}\torganization \"Brocade Communications Systems,
Inc.\";\tcontact\t\t\"Brocade Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose,
CA 95134\t\t E-mail: support@Brocade.com\t\t Web: www.brocade.com\";\trevision 2015-08-14 {\t\tdescription
\"Initial revision of version 1.\";\t}\taugment /if:interfaces/interfaces-openvpn:openvpn {\t\tcontainer
client-bundle {\t\t\tpresence \"true\";\t\t\tconfigd:help \"Generate SSL-VPN Client Bundles\";\t\t\tleaf osx
{\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Generate OpenVPN formatted config file for OS X OpenVPN
clients\";\t\t\t}\t\t\tleaf linux {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Generate SSL-VPN Client Bundle
for Linux\";\t\t\t}\t\t\tleaf windows {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Generate SSL-VPN Client
Bundle for Windows\";\t\t\t}\t\t\tleaf generic {\t\t\t\ttype empty;\t\t\t\tconfigd:help \"Generate standard
OpenVPN formatted config file with CA certificate inline\";\t\t\t}\t\t}\t}}</module><module name=\"vyatta-
protocols-pim6-routing-instance-v1\"uri=\"urn:vyatta.com:mgmt:vyatta-protocols-pim6-routing-instance:1\"
revision=\"2016-04-26\" format=\"yang\" length=\"1988\"module vyatta-protocols-pim6-routing-instance-v1
{\tnamespace \"urn:vyatta.com:mgmt:vyatta-protocols-pim6-routing-instance:1\";\tprefix vyatta-protocols-pim6-
routing-instance-v1;\timport configd-v1 {\t\tprefix configd;\t}\timport vyatta-routing-v1 {\t\tprefix
routing;\t}\timport vyatta-protocols-pim6-v1 {\t\tprefix pim6;\t}\timport vyatta-routing-instance-interfaces-
v1 {\t\tprefix rif;\t}\t\torganization \"Brocade Communications Systems, Inc.\";\tcontact\t\t\"Brocade
Communications Systems, Inc.\t Postal: 130 Holger Way\t\t   San Jose, CA 95134\t\t E-mail:
support@Brocade.com\t\t Web: www.brocade.com\";\tdescription\t\t\"Copyright (c) 2016 by Brocade
Communications Systems, Inc.\t\t All rights reserved.\t\t The YANG module for vyatta-protocols-pim6-routing-
instance-v1\";\trevision 2016-04-26 {\t\tdescription \"Augment /routing/routing-
instance/protocols\";\t}\taugment /routing:routing/routing:routing-instance/routing:protocols {\t\tuses
pim6:pim6-parameters {\t\trefine pim6 {\t\t\tconfigd:end \"vyatta-pim 6 --routing-instance
$VAR(../../@)\";\t\t\t}\t\t\trefine pim6/register-source/interface {\t\t\tmust \"current() =
/routing:routing/routing:routing-instance\" +\t\t\t\t\t\"[routing:instance-name =
current()/../../../../routing:instance-name]\" +\t\t\t\t\t\"/rif:interface/rif:name\" {\t\t\t\terror-
message \"Interface must be configured in this routing instance\";\t\t\t}\t\t\t}\t\t\trefine pim6/bsr-
candidate/interface {\t\t\tmust \"current() = /routing:routing/routing:routing-instance\"
+\t\t\t\t\t\"[routing:instance-name = current()/../../../../routing:instance-name]\"
+\t\t\t\t\t\"/rif:interface/rif:name\" {\t\t\t\terror-message \"Interface must be configured in this

routing instance\";\t\t\t\t}\t\t\t}\t\t\trefine pim6/rp-candidate/interface {\t\t\t\tmust \"current()/tagnode
= /routing:routing/routing:routing-instance\" +\t\t\t\t\t\"[routing:instance-name =
current()/../../../../routing:instance-name]\" +\t\t\t\t\t\"/rif:interface/rif:name\" {\t\t\t\t\terror-
message \"Interface must be configured in this routing
instance\";\t\t\t\t}\t\t\t}\t\t}\t}}</module></schema>",
        "rpcException": false,
        "messageId": 8,
        "sessionId": 7,
        "rpcOk": true,
        "rpcMessages": [
          {
            "message": [
              "started:2017-01-05 16:47:32",
              "ok:target host 192.168.3.135:22 connected",
              "ok:target host 192.168.3.135:22 NETCONF established",
              "ok:capability:vyatta-protocols-mld-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-mld:1
revision:2016-07-27",
              "ok:capability:vyatta-protocols-interface-validation-mpls-v1, URI:urn:vyatta.com:mgmt:vyatta-
protocols-interface-validation-mpls:1 revision:2016-06-14",
              "ok:capability:vyatta-service-dhcpv6-relay-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
service-dhcpv6-relay-routing-instance:1 revision:2016-07-12",
              "ok:capability:vyatta-system-network-v1, URI:urn:vyatta.com:mgmt:vyatta-system-network:1
revision:2016-05-31",
              "ok:capability:vyatta-routing-instance-interfaces-v1, URI:urn:vyatta.com:mgmt:vyatta-routing-
instance-interfaces-v1:1 revision:2016-04-11",
              "ok:capability:ietf-inet-types, URI:urn:ietf:params:xml:ns:yang:ietf-inet-types revision:2013-
07-15",
              "ok:capability:vyatta-service-dns-v1, URI:urn:vyatta.com:mgmt:vyatta-service-dns:1
revision:2016-08-24",
              "ok:capability:vyatta-system-syslog-v1, URI:urn:vyatta.com:mgmt:vyatta-system-syslog:1
revision:2016-08-15",
              "ok:capability:vyatta-system-acm-v1, URI:urn:vyatta.com:mgmt:vyatta-system-acm:1 revision:2016-
03-25",
              "ok:capability:vyatta-protocols-igmp-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
protocols-igmp-routing-instance:1 revision:2016-04-22",
              "ok:capability:vyatta-protocols-msdp-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-msdp:1
revision:2016-07-27",
              "ok:capability:vyatta-xconnect-v1, URI:urn:vyatta.com:mgmt:vyatta-xconnect:1 revision:2016-06-
17",
              "ok:capability:vyatta-protocols-mpls-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-mpls:1
revision:2015-07-28",
              "ok:capability:ietf-yang-types, URI:urn:ietf:params:xml:ns:yang:ietf-yang-types revision:2013-
07-15",
              "ok:capability:vyatta-op-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-op-routing-
instance:1 revision:2016-04-12",
              "ok:capability:vyatta-op-v1, URI:urn:vyatta.com:mgmt:vyatta-op:1 revision:2015-08-14",
              "ok:capability:vyatta-protocols-nsm-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
protocols-nsm-routing-instance:1 revision:2016-05-18",
              "ok:capability:vyatta-system-package-v1, URI:urn:vyatta.com:mgmt:vyatta-system-package:1
revision:2016-03-15",
              "ok:capability:vyatta-interfaces-tunnel-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-tunnel:1
revision:2016-06-21",
              "ok:capability:vyatta-service-snmp-v1, URI:urn:vyatta.com:mgmt:vyatta-service-snmp:1
revision:2015-08-18",
              "ok:capability:vyatta-service-flow-monitoring-routing-instance-v1,
URI:urn:vyatta.com:mgmt:vyatta-service-flow-monitoring-routing-instance:1 revision:2016-01-22",
              "ok:capability:vyatta-protocols-static-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
protocols-static-routing-instance:1 revision:2016-05-01",
              "ok:capability:vyatta-nhrp-v1, URI:urn:vyatta.com:mgmt:vyatta-nhrp:1 revision:2015-08-14",
              "ok:capability:vyatta-protocols-rib-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
protocols-rib-routing-instance:1 revision:2016-05-02",
              "ok:capability:vyatta-service-sflow-bonding-v1, URI:urn:vyatta.com:mgmt:vyatta-service-sflow-
bonding:1 revision:2015-09-15",
              "ok:capability:vyatta-interfaces-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces:1 revision:2016-
08-24",
              "ok:capability:vyatta-protocols-ripng-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-ripng:1
revision:2016-07-19",
              "ok:capability:vyatta-protocols-pim-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
protocols-pim-routing-instance:1 revision:2016-04-18",
              "ok:capability:vyatta-interfaces-bridge-spanning-tree-v1, URI:urn:vyatta.com:mgmt:vyatta-
interfaces-bridge-spanning-tree:1 revision:2015-11-18",
              "ok:capability:vyatta-system-time-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-system-
time-routing-instance:1 revision:2016-06-16",
              "ok:capability:vyatta-system-login-sssd-v1, URI:urn:vyatta.com:mgmt:vyatta-system-login-sssd:1
revision:2015-08-14",
              "ok:capability:vyatta-protocols-pim6-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-pim6:1
revision:2016-08-16",
              "ok:capability:vyatta-policy-pbr-v1, URI:urn:vyatta.com:mgmt:vyatta-policy-pbr:1 revision:2016-
05-19",
              "ok:capability:vyatta-security-ssh-known-hosts-routing-instance-v1,
URI:urn:vyatta.com:mgmt:vyatta-security-ssh-known-hosts-routing-instance:1 revision:2016-04-13",
              "ok:capability:vyatta-protocols-bfd-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
protocols-bfd-routing-instance:1 revision:2016-05-10",

            "ok:capability:vyatta-protocols-ecmp-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-ecmp-routing-instance:1 revision:2016-06-01",
            "ok:capability:vyatta-policy-v1, URI:urn:vyatta.com:mgmt:vyatta-policy:1 revision:2015-08-05",
            "ok:capability:vyatta-service-sflow-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-service-sflow-routing-instance:1 revision:2016-01-13",
            "ok:capability:vyatta-protocols-ospfv3-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-ospfv3:1 revision:2016-07-26",
            "ok:capability:configd-v1, URI:urn:vyatta.com:mgmt:configd:1 revision:2016-01-25",
            "ok:capability:vyatta-system-dataplane-v1, URI:urn:vyatta.com:mgmt:vyatta-system-dataplane:1 revision:2015-10-01",
            "ok:capability:vyatta-interfaces-dataplane-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-dataplane:1 revision:2016-06-10",
            "ok:capability:vyatta-system-tacplus-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-system-tacplus-routing-instance:1 revision:2016-02-19",
            "ok:capability:vyatta-system-time-v1, URI:urn:vyatta.com:mgmt:vyatta-system-time:1 revision:2016-06-16",
            "ok:capability:vyatta-fw-types-v1, URI:urn:vyatta.com:mgmt:vyatta-fw-types:1 revision:2016-08-12",
            "ok:capability:vyatta-service-ssh-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-service-ssh-routing-instance:1 revision:2016-04-13",
            "ok:capability:vyatta-policy-route-v1, URI:urn:vyatta.com:mgmt:vyatta-policy-route:1 revision:2016-07-19",
            "ok:capability:vyatta-service-connsync-v1, URI:urn:vyatta.com:mgmt:vyatta-service-connsync:1 revision:2015-10-22",
            "ok:capability:vyatta-protocols-bgp-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-bgp:1 revision:2016-08-26",
            "ok:capability:vyatta-ipv6-rtradv-v1, URI:urn:vyatta.com:mgmt:vyatta-ipv6-rtradv:1 revision:2016-09-08",
            "ok:capability:vyatta-service-flow-monitoring-bonding-v1, URI:urn:vyatta.com:mgmt:vyatta-service-flow-monitoring-bonding:1 revision:2015-09-09",
            "ok:capability:vyatta-service-portmonitor-v1, URI:urn:vyatta.com:mgmt:vyatta-service-portmonitor:1 revision:2015-08-14",
            "ok:capability:vyatta-service-telnet-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-service-telnet-routing-instance:1 revision:2016-04-18",
            "ok:capability:vyatta-protocols-pim-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-pim:1 revision:2016-08-02",
            "ok:capability:vyatta-interfaces-vif-v2, URI:urn:vyatta.com:mgmt:vyatta-interfaces-vif:2 revision:2016-05-19",
            "ok:capability:vyatta-interfaces-openvpn-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-openvpn:1 revision:2015-08-14",
            "ok:capability:vyatta-system-login-radius-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-system-login-radius-routing-instance:1 revision:2016-03-04",
            "ok:capability:vyatta-protocols-static-routing-instance-inter-vrf-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-static-routing-instance-inter-vrf:1 revision:2016-07-18",
            "ok:capability:vyatta-system-alg-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-system-alg-routing-instance:1 revision:2016-04-14",
            "ok:capability:vyatta-resources-v1, URI:urn:vyatta.com:mgmt:vyatta-resources:1 revision:2015-08-05",
            "ok:capability:vyatta-protocols-interface-validation-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-interface-validation-routing-instance:1 revision:2016-05-25",
            "ok:capability:vyatta-service-dhcpv6-relay-v1, URI:urn:vyatta.com:mgmt:vyatta-service-dhcpv6-relay:1 revision:2016-07-19",
            "ok:capability:vyatta-multicast-v1, URI:urn:vyatta.com:mgmt:vyatta-multicast:1 revision:2016-06-20",
            "ok:capability:vyatta-openvpn-access-server-v1, URI:urn:vyatta.com:mgmt:vyatta-openvpn-access-server:1 revision:2015-08-14",
            "ok:capability:vyatta-protocols-pim-interface-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-pim-interface:1 revision:2015-07-27",
            "ok:capability:vyatta-protocols-rip-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-rip:1 revision:2016-06-17",
            "ok:capability:vyatta-protocols-static-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-static:1 revision:2016-07-13",
            "ok:capability:vyatta-interfaces-loopback-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-loopback:1 revision:2015-08-14",
            "ok:capability:vyatta-protocols-msdp-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-msdp-routing-instance:1 revision:2016-04-25",
            "ok:capability:vyatta-security-firewall-v1, URI:urn:vyatta.com:mgmt:vyatta-security-firewall:1 revision:2016-06-22",
            "ok:capability:vyatta-interfaces-vti-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-vti:1 revision:2016-05-09",
            "ok:capability:vyatta-system-session-v1, URI:urn:vyatta.com:mgmt:vyatta-system-session:1 revision:2016-04-15",
            "ok:capability:vyatta-dscp-v1, URI:urn:vyatta.com:mgmt:vyatta-dscp:1 revision:2015-08-05",
            "ok:capability:vyatta-dhcpv6-client-v1, URI:urn:vyatta.com:mgmt:vyatta-dhcpv6-client:1 revision:2015-08-14",
            "ok:capability:vyatta-protocols-ripng-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-ripng-routing-instance:1 revision:2016-05-04",
            "ok:capability:vyatta-system-acm-opd-v1, URI:urn:vyatta.com:mgmt:vyatta-system-acm-opd:1 revision:2016-03-25",
            "ok:capability:vyatta-resources-service-users-v1, URI:urn:vyatta.com:mgmt:vyatta-resources-service-users:1 revision:2015-08-14",
            "ok:capability:vyatta-protocols-mld-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-mld-routing-instance:1 revision:2016-04-22",
            "ok:capability:vyatta-vrrp-v1, URI:urn:vyatta.com:mgmt:vyatta-vrrp:1 revision:2016-06-16",

            "ok:capability:vyatta-security-ssh-known-hosts-v1, URI:urn:vyatta.com:mgmt:vyatta-ssh-known-hosts:1 revision:2016-02-24",
            "ok:capability:vyatta-types-v1, URI:urn:vyatta.com:mgmt:vyatta-types:1 revision:2015-08-05",
            "ok:capability:vyatta-system-mgmt-v1, URI:urn:vyatta.com:mgmt:vyatta-system-mgmt:1 revision:2016-03-17",
            "ok:capability:vyatta-service-dns-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-service-dns-routing-instance:1 revision:2016-04-18",
            "ok:capability:vyatta-protocols-bgp-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-bgp-routing-instance:1 revision:2016-06-01",
            "ok:capability:vyatta-service-twamp-v1, URI:urn:vyatta.com:mgmt:vyatta-service-twamp:1 revision:2016-04-01",
            "ok:capability:vyatta-protocols-rip-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-rip-routing-instance:1 revision:2016-05-12",
            "ok:capability:vyatta-protocols-ospf-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-ospf-routing-instance:1 revision:2016-07-21",
            "ok:capability:vyatta-service-flow-monitoring-v1, URI:urn:vyatta.com:mgmt:vyatta-service-flow-monitoring:1 revision:2015-08-06",
            "ok:capability:vyatta-system-network-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-system-network-routing-instance:1 revision:2016-05-31",
            "ok:capability:vyatta-system-sync-v1, URI:urn:vyatta.com:mgmt:vyatta-system-sync:1 revision:2016-04-19",
            "ok:capability:vyatta-services-v1, URI:urn:vyatta.com:mgmt:vyatta-services:1 revision:2015-08-05",
            "ok:capability:vyatta-policy-pbr-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-policy-pbr-routing-instance:1 revision:2016-04-14",
            "ok:capability:vyatta-system-v1, URI:urn:vyatta.com:mgmt:vyatta-system:1 revision:2016-01-28",
            "ok:capability:vyatta-ipv6-rtradv-groups-v1, URI:urn:vyatta.com:mgmt:vyatta-ipv6-rtradv-groups:1 revision:2016-09-01",
            "ok:capability:vyatta-service-twamp-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-service-twamp-routing-instance:1 revision:2016-04-14",
            "ok:capability:ietf-netconf-with-defaults, URI:urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults revision:2011-06-01",
            "ok:capability:vyatta-policy-qos-v1, URI:urn:vyatta.com:mgmt:vyatta-policy-qos:1 revision:2016-05-16",
            "ok:capability:vyatta-system-syslog-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-system-syslog-routing-instance:1 revision:2016-04-22",
            "ok:capability:vyatta-system-tacplus-v1, URI:urn:vyatta.com:mgmt:vyatta-system-tacplus:1 revision:2016-02-19",
            "ok:capability:vyatta-system-fips-v1, URI:urn:vyatta.com:mgmt:vyatta-system-fips:1 revision:2015-08-14",
            "ok:capability:vyatta-service-ssh-v1, URI:urn:vyatta.com:mgmt:vyatta-service-ssh:1 revision:2016-03-28",
            "ok:capability:vyatta-interfaces-bridge-rstp-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-bridge-rstp:1 revision:2015-10-13",
            "ok:capability:vyatta-opd-v1, URI:urn:vyatta.com:mgmt:vyatta-opd:1 revision:2015-08-14",
            "ok:capability:vyatta-service-dhcp-relay-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-service-dhcp-relay-routing-instance:1 revision:2016-06-12",
            "ok:capability:vyatta-interfaces-bonding-qos-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-bonding-qos:1 revision:2016-04-27",
            "ok:capability:vyatta-bridge-static-fdb-v1, URI:urn:vyatta.com:mgmt:vyatta-bridge-static-fdb:1 revision:2015-07-29",
            "ok:capability:vyatta-system-alg-v1, URI:urn:vyatta.com:mgmt:vyatta-system-alg:1 revision:2016-04-04",
            "ok:capability:vyatta-interfaces-l2tpeth-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-l2tpeth:1 revision:2016-05-04",
            "ok:capability:vyatta-service-nat-v1, URI:urn:vyatta.com:mgmt:vyatta-service-nat:1 revision:2015-09-29",
            "ok:capability:ietf-netconf, URI:urn:ietf:params:xml:ns:netconf:base:1.0 revision:2011-06-01",
            "ok:capability:vyatta-npf-v1, URI:urn:vyatta.com:mgmt:vyatta-npf:1 revision:2016-03-28",
            "ok:capability:vyatta-protocols-rib-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-rib:1 revision:2016-06-14",
            "ok:capability:vyatta-protocols-interface-validation-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-interface-validation:1 revision:2016-07-21",
            "ok:capability:vyatta-interfaces-erspan-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-erspan:1 revision:2015-09-09",
            "ok:capability:vyatta-multicast-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-multicast-routing-instance:1 revision:2016-04-21",
            "ok:capability:vyatta-protocols-ospfv3-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-ospfv3-routing-instance:1 revision:2016-07-27",
            "ok:capability:vyatta-service-lldp-v1, URI:urn:vyatta.com:mgmt:vyatta-service-lldp:1 revision:2015-08-06",
            "ok:capability:vyatta-routing-v1, URI:urn:vyatta.com:mgmt:vyatta-routing-v1:1 revision:2016-06-28",
            "ok:capability:vyatta-protocols-mpls-rsvp-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-mpls-rsvp:1 revision:2015-06-05",
            "ok:capability:vyatta-protocols-bfd-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-bfd:1 revision:2016-04-20",
            "ok:capability:vyatta-system-acm-configd-v1, URI:urn:vyatta.com:mgmt:vyatta-system-acm-configd:1 revision:2014-08-26",
            "ok:capability:vyatta-protocols-nsm-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-nsm:1 revision:2016-05-18",
            "ok:capability:vyatta-resources-group-v1, URI:urn:vyatta.com:mgmt:vyatta-resources-group:1 revision:2016-08-03",

```
            "ok:capability:ietf-netconf-monitoring, URI:urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring
revision:2010-10-04",
            "ok:capability:vyatta-security-vpn-ipsec-v1, URI:urn:vyatta.com:mgmt:vyatta-security-vpn-
ipsec:1 revision:2016-04-12",
            "ok:capability:vyatta-security-v1, URI:urn:vyatta.com:mgmt:vyatta-security:1 revision:2015-08-
05",
            "ok:capability:vyatta-service-dhcp-relay-v1, URI:urn:vyatta.com:mgmt:vyatta-service-dhcp-
relay:1 revision:2015-08-14",
            "ok:capability:vyatta-interfaces-dataplane-unnumbered-v1, URI:urn:vyatta.com:mgmt:vyatta-
interfaces-unnumbered:1 revision:2016-07-13",
            "ok:capability:vyatta-protocols-mpls-ldp-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-mpls-
ldp:1 revision:2015-03-05",
            "ok:capability:vyatta-dhcp-client-v1, URI:urn:vyatta.com:mgmt:vyatta-dhcp-client:1
revision:2015-08-14",
            "ok:capability:vyatta-protocols-ospf-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-ospf:1
revision:2016-07-21",
            "ok:capability:vyatta-protocols-pim-common-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-pim-
common:1 revision:2016-06-02",
            "ok:capability:vyatta-service-netconf-v1, URI:urn:vyatta.com:mgmt:vyatta-service-netconf:1
revision:2015-08-10",
            "ok:capability:vyatta-service-dhcpv6-server-routing-instance-v1,
URI:urn:vyatta.com:mgmt:vyatta-service-dhcpv6-server-routing-instance:1 revision:2016-06-12",
            "ok:capability:vyatta-protocols-igmp-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-igmp:1
revision:2016-03-16",
            "ok:capability:vyatta-protocols-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols:1 revision:2015-
08-05",
            "ok:capability:vyatta-service-sflow-v1, URI:urn:vyatta.com:mgmt:vyatta-service-sflow:1
revision:2015-08-14",
            "ok:capability:vyatta-system-mgmt-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-system-
mgmt-routing-instance:1 revision:2016-04-18",
            "ok:capability:vyatta-service-dhcp-server-v1, URI:urn:vyatta.com:mgmt:vyatta-service-dhcp-
server:1 revision:2016-04-20",
            "ok:capability:vyatta-service-https-v1, URI:urn:vyatta.com:mgmt:vyatta-service-https:1
revision:2015-08-14",
            "ok:capability:vyatta-protocols-ecmp-v1, URI:urn:vyatta.com:mgmt:vyatta-protocols-ecmp:1
revision:2016-06-01",
            "ok:capability:vyatta-interfaces-bridge-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-bridge:1
revision:2016-03-28",
            "ok:capability:vyatta-interfaces-bonding-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-
bonding:1 revision:2016-07-19",
            "ok:capability:vyatta-system-login-v1, URI:urn:vyatta.com:mgmt:vyatta-system-login:1
revision:2016-06-28",
            "ok:capability:vyatta-service-telnet-v1, URI:urn:vyatta.com:mgmt:vyatta-service-telnet:1
revision:2016-03-21",
            "ok:capability:vyatta-security-vpn-l2tp-v1, URI:urn:vyatta.com:mgmt:vyatta-security-vpn-l2tp:1
revision:2015-08-14",
            "ok:capability:vyatta-system-misc-v1, URI:urn:vyatta.com:mgmt:vyatta-system-misc:1
revision:2016-03-02",
            "ok:capability:vyatta-service-dhcpv6-server-v1, URI:urn:vyatta.com:mgmt:vyatta-service-dhcpv6-
server:1 revision:2016-04-20",
            "ok:capability:vyatta-service-snmp-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-service-
snmp-routing-instance:1 revision:2016-03-07",
            "ok:capability:vyatta-system-session-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
system-session-routing-instance:1 revision:2016-06-17",
            "ok:capability:vyatta-service-dhcp-server-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
service-dhcp-server-routing-instance:1 revision:2016-06-12",
            "ok:capability:vyatta-interfaces-policy-v1, URI:urn:vyatta.com:mgmt:vyatta-interfaces-policy:1
revision:2015-10-05",
            "ok:capability:vyatta-ssl-vpn-bundler-v1, URI:urn:vyatta.com:mgmt:vyatta-ssl-vpn-bundler:1
revision:2015-08-14",
            "ok:capability:vyatta-protocols-pim6-routing-instance-v1, URI:urn:vyatta.com:mgmt:vyatta-
protocols-pim6-routing-instance:1 revision:2016-04-26",
            "ok:target host 192.168.3.135:22 NETCONF terminated",
            "ok:target host 192.168.3.135:22 disconnected",
            "stopped:2017-01-05 16:47:38"
          ]
        }
      ]
    }
  ]
}
```

When defining NETCONF

Example 4: NETCONF get-schema operation via HTTP REST

HTTP Request Verb: POST

HTTP Request URL: http://10.51.14.100:7001/netconf/schema/get

HTTP Request Headers:

- Authorization: Basic
- Accept: application/json
- Content-Type: application/json
- Content-Length: 1234

HTTP Request Body:

```
{
  "request": [
    {
      "host": "192.168.56.160",
      "port": 2022,
      "username": "admin",
      "password": "admin",
      "xml": "",
      "datastore": "running",
      "operation": "none",
      "url": "",
      "config": "",
      "bypass": false,
      "ssh": {
        "privateKey": "",
        "passphrase": "",
        "debug": false,
        "readTimeOut": 600,
        "strictHosts": true
      },
      "slaves": [
        {
          "host": "pf-ncs-slave-01.cisco.com",
          "port": 2022
        },
        {
          "host": "pf-ncs-slave-02.cisco.com",
          "port": 2022
        }
      ]
    }
  ]
}
```

```
ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ      TM
   ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZN
      ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
        ZZZZZZZZZZOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOZZZZZZZZZZZ
      ZZZZZZZZZ8                                   ZZZZZZZZ
        ZZZZZZZZZZZ                                 ZZZZZZZN
          ZZZZZZZZZZ8                                ZZZZZZZ
           ZZZZZZZZZZZZ                               ZZZZZZZ
            8ZZZZZZZZZZZZD                             ZZZZZZZ
              ZZZZZZZZZZZZZZ                            ZZZZZZZN
                ZZZZZZZZZZZZZZZN                        ZZZZZZZ
                  ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
                        OZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
                          OZZZZZZZZZZZZZZZZZZZZZZZZZN
                        OZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
                    NZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
               NZZZZZZZZZZZZZZD                        ZZZZZZZ
             ZZZZZZZZZZZZZZ                             ZZZZZZZ
           8ZZZZZZZZZZZZD                               ZZZZZZZ
          ZZZZZZZZZZZ                                  ZZZZZZZ
        ZZZZZZZZZZ8                                   ZZZZZZZ
       ZZZZZZZZZZZ                                    ZZZZZZZN
     ZZZZZZZZZZ8                                       ZZZZZZZ
    ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
   ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
 OZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ8
ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ
```

Copyright (c) 2016 by Brocade

"Since we decided a few weeks ago to adopt the leaf as legal tender, we have, of course, all become immensely rich."