

# Creating a Netconf Mount

When a Netconf mount is required for instances such as testing a VNF configuration action the below procedure will guide you.

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## Create the xml required to build the Netconf mount

### Example of a Netconf mount xml (vtrafficgen.xml)

#### vtrafficgen.xml example

```
<node xmlns="urn:TBD:params:xml:ns:yang:network-topology">
  <node-id>9elf35bf-bc36-4cab-ae9f-baf44bddd673</node-id>
  <host xmlns="urn:opendaylight:netconf-node-topology">10.0.90.2</host>
  <port xmlns="urn:opendaylight:netconf-node-topology">2831</port>
  <username xmlns="urn:opendaylight:netconf-node-topology">admin</username>
  <password xmlns="urn:opendaylight:netconf-node-topology">admin</password>
  <tcp-only xmlns="urn:opendaylight:netconf-node-topology">false</tcp-only>
  <!-- non-mandatory fields with default values, you can safely remove these if you do not wish to override
any of these values-->
  <reconnect-on-changed-schema xmlns="urn:opendaylight:netconf-node-topology">false</reconnect-on-changed-
schema>
  <connection-timeout-millis xmlns="urn:opendaylight:netconf-node-topology">20000</connection-timeout-millis>
  <max-connection-attempts xmlns="urn:opendaylight:netconf-node-topology">0</max-connection-attempts>
  <between-attempts-timeout-millis xmlns="urn:opendaylight:netconf-node-topology">2000</between-attempts-
timeout-millis>
  <sleep-factor xmlns="urn:opendaylight:netconf-node-topology">1.5</sleep-factor>
  <!-- keepalive-delay set to 0 turns off keepalives-->
  <keepalive-delay xmlns="urn:opendaylight:netconf-node-topology">120</keepalive-delay>
</node>
```

## Submit the REST request to create the Netconf mount

### Example curl command used to submit the REST request

#### Sample curl REST request submission


```
curl -v --no-proxy '*' --user "admin":"Kp8bJ4SXszM0WXlhak3eHlcse2gAw84vaoGGmJvUy2U" -d @vtrafficgen.xml -H
"Accept: application/xml" -H "Content-type: application/xml" -X PUT --trace trace.out http://10.12.5.69:8282
/restconf/config/network-topology:network-topology/topology/topology-netconf/node/9elf35bf-bc36-4cab-ae9f-
baf44bddd673
```

## Verify Netconf mount submission

#### Verify Netconf mount was submitted

```
curl -v --no-proxy '*' --user "admin":"Kp8bJ4SXszM0WXlhak3eHlcse2gAw84vaoGGmJvUy2U" -d -H "Accept: application
/xml" -H "Content-type: application/xml" -X GET http://10.12.5.69:8282/restconf/config/network-topology:network-
topology/topology/topology-netconf/node/9elf35bf-bc36-4cab-ae9f-baf44bddd673
```

Verify the Netconf mount was created and able to connect to the VNF

 **OpenDaylight RestConf API Documentation**

Controller Resources

Mounted Resources

Mount Points - Select an API below for details on available queries.  
[/network-topology:network-topology/topology/topology-netconf/node/zdfw1fwl01pgn01/](#)  
[/network-topology:network-topology/topology/topology-netconf/node/9e1f35bf-bc36-4cab-ae9f-baf44bddd673/](#) Netconf Mount Created

Showing mount points for /network-topology:network-topology/topology/topology-netconf/node/9e1f35bf-bc36-4cab-ae9f-baf44bddd673/

Datastores(-) : Provides methods for accessing the data stores.	Show/Hide	List Operations	Expand Operations	Raw
config(2013-04-05)	Show/Hide	List Operations	Expand Operations	Raw
eid-mapping-context(2016-08-01)	Show/Hide	List Operations	Expand Operations	Raw
general-entity(2015-08-20)	Show/Hide	List Operations	Expand Operations	Raw
ietf-access-control-list(2016-07-08)	Show/Hide	List Operations	Expand Operations	Raw
ietf-interfaces(2014-05-08)	Show/Hide	List Operations	Expand Operations	Raw
ietf-netconf(2011-06-01)	Show/Hide	List Operations	Expand Operations	Raw
ietf-netconf-monitoring(2010-10-04)	Show/Hide	List Operations	Expand Operations	Raw
instance-identifier-patch-module(2015-11-21)	Show/Hide	List Operations	Expand Operations	Raw
lisp(2016-05-20)	Show/Hide	List Operations	Expand Operations	Raw
naming-context(2016-05-13)	Show/Hide	List Operations	Expand Operations	Raw
nc-notifications(2008-07-14)	Show/Hide	List Operations	Expand Operations	Raw

Test the Netconf mount

GET

/config/network-topology:network-topology/topology/topology-netconf/node/9e1f35bf-bc36-4cab-ae9f-baf44bddd673/yang-ext:mount/sample-plugin:sample-plugin/pg-streams

Response Class

Model | Model Schema

(config)pg-streams

Response Content Type 

application/json

Try it out! [Hide Response](#)

Request URL

http://10.12.5.69:8282/restconf/config/network-topology:network-topology/topology/topology-netconf/node/9e1f35bf-bc36-4cab-ae9f-baf44bddd673/yang-ext:mount/sample-plugin:sample-plugin/pg-streams

Response Body

```
{
  "pg-streams": {
    "pg-stream": [
      {
        "id": "fw_udp1",
        "is-enabled": true
      }
    ]
  }
}
```

Response Code

200

Response Headers

```
{
  "Expires": "Thu, 01 Jan 1970 00:00:00 GMT",
  "Content-Encoding": "gzip",
  "Transfer-Encoding": "chunked",
  "Server": "Jetty(8.1.19.v20160209)",
  "Vary": "Accept-Encoding, User-Agent",
  "Content-Type": "application/json"
}
```

Follow the test note to the further action requests in APPC:

[APPC ONAP Testing Requests](#)