



@ FILE NAME: M_CTC_ID_010.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for MCB1: v1.0.1

Test Description : This scenario validates that the O-RU NETCONF Server properly executes a general get command.

***** Connect to the NETCONF Server *****

```
> connect --ssh --host 192.168.49.39 --port 830 --login operator
```

```
Interactive SSH Authentication
```

```
Type your password:
```

```
Password:
```

```
> status
```

```
Current NETCONF session:
```

```
ID      : 4
```

```
Host    : 192.168.49.39
```

```
Port    : 830
```

```
Transport : SSH
```

```
Capabilities:
```

```
urn:ietf:params:netconf:base:1.0 urn:ietf:params:netconf:base:1.1 urn:ietf:params:netconf:capability:writable-running:1.0
urn:ietf:params:netconf:capability:candidate:1.0 urn:ietf:params:netconf:capability:rollback-on-error:1.0
urn:ietf:params:netconf:capability:validate:1.1 urn:ietf:params:netconf:capability:startup:1.0 urn:ietf:params:netconf:capability:xpath:1.0
urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,explicit
urn:ietf:params:netconf:capability:notification:1.0 urn:ietf:params:netconf:capability:interleave:1.0
urn:ietf:params:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05
urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20
urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15
urn:ietf:params:xml:ns:yang:ietf-yang-types?module=ietf-yang-types&revision=2013-07-15
urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=63
urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10
urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14
urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,valid
ate,startup,url,xpath urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01
urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06
urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04
urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14
urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14
urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10
urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06 urn:notification_history?module=notification_history
urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19
```

```
> subscribe
```

```
Ok
```

=====

Step 1 The TER NETCONF Client triggers <rpc><get> towards the O-RU NETCONF Server.

=====

=====

> get

=====

=====

Step 2 The O-RU NETCONF Server responds with <rpc-reply><data> where <data> contains all information elements that the O-RU NETCONF Server is able to expose

=====

```
<?xml version="1.0" ?>
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">
  <hardware xmlns="urn:ietf:params:xml:ns:yang:ietf-hardware">
    <component>
      <name>ru-module</name>
      <class xmlns:o-ran-hw="urn:o-ran:hardware:1.0">o-ran-hw:O-RAN-RADIO</class>
      <state>
        <oper-state>enabled</oper-state>
        <usage-state>idle</usage-state>
        <availability-state xmlns="urn:o-ran:hardware:1.0">NORMAL</availability-state>
      </state>
      <o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-module</o-ran-name>
      <description>VVDN-RU</description>
      <hardware-rev>A1-1011</hardware-rev>
      <software-rev>02-v1.0.1</software-rev>
      <serial-num>1012900122022</serial-num>
      <mfg-name>VVDN-LPRU</mfg-name>
      <model-name>RU_INDOOR_LPRU</model-name>
      <uuid>f81d4fae-7dec-11d0-a765-00a0c91e6bf6</uuid>
      <label-content xmlns="urn:o-ran:hardware:1.0">
        <model-name>true</model-name>
        <serial-number>true</serial-number>
      </label-content>
      <product-code xmlns="urn:o-ran:hardware:1.0">O-RAN RU PROD v1.0.4</product-code>
      <contains-child>ru-port0</contains-child>
      <contains-child>ru-port1</contains-child>
    </component>
    <component>
      <name>ru-port0</name>
      <class xmlns:ianahw="urn:ietf:params:xml:ns:yang:iana-hardware">ianahw:port</class>
      <parent>ru-module</parent>
      <parent-rel-pos>0</parent-rel-pos>
      <state>
        <oper-state>enabled</oper-state>
        <usage-state>idle</usage-state>
        <availability-state xmlns="urn:o-ran:hardware:1.0">NORMAL</availability-state>
```

```
</state>
<o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-port0</o-ran-name>
<description>VVDN_RU_PORT</description>
<hardware-rev>A1-1011</hardware-rev>
<is-fru>false</is-fru>
<mfg-date>2020-05-27T09:00:00-05:30</mfg-date>
</component>
<component>
  <name>ru-port1</name>
  <class xmlns:ianahw="urn:ietf:params:xml:ns:yang:iana-hardware">ianahw:port</class>
  <parent>ru-module</parent>
  <parent-rel-pos>1</parent-rel-pos>
  <state>
    <oper-state>enabled</oper-state>
    <usage-state>idle</usage-state>
    <availability-state xmlns="urn:o-ran:hardware:1.0">NORMAL</availability-state>
  </state>
  <o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-port1</o-ran-name>
  <description>VVDN_RU_PORT</description>
  <hardware-rev>A1-1011</hardware-rev>
  <is-fru>false</is-fru>
  <mfg-date>2020-05-27T09:00:00-05:30</mfg-date>
</component>
<last-change>2103-10-30T08:52:17+08:50</last-change>
</hardware>
<users xmlns="urn:o-ran:user-mgmt:1.0">
  <user>
    <name>oranuser</name>
    <account-type>PASSWORD</account-type>
    <enabled>true</enabled>
  </user>
  <user>
    <name>operator</name>
    <account-type>PASSWORD</account-type>
    <enabled>true</enabled>
  </user>
  <user>
    <name>observer</name>
    <account-type>PASSWORD</account-type>
    <enabled>true</enabled>
  </user>
  <user>
    <name>installer</name>
    <account-type>PASSWORD</account-type>
    <enabled>true</enabled>
  </user>
  <user>
    <name>garuda</name>
    <account-type>PASSWORD</account-type>
```

```
<enabled>true</enabled>
</user>
<user>
  <name>operator11302326379</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator44567591</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator8075861281902</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator17619020756748090</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator86938204120707827368</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator7596639986022389968</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator0126795795152205</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator119986</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>stl</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
</users>
<nacm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">
```

```
<enable-nacm>true</enable-nacm>
<read-default>deny</read-default>
<write-default>deny</write-default>
<exec-default>deny</exec-default>
<enable-external-groups>false</enable-external-groups>
<groups>
  <group>
    <name>sudo</name>
    <user-name>operator</user-name>
  </group>
  <group>
    <name>fm-pm</name>
    <user-name>observer</user-name>
  </group>
  <group>
    <name>nms</name>
    <user-name>installer</user-name>
  </group>
</groups>
<rule-list>
  <name>sudo-access</name>
  <group>sudo</group>
  <rule>
    <name>ietf-netconf-permission</name>
    <module-name>ietf-netconf</module-name>
    <access-operations>exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>o-ran-supervision-permission</name>
    <module-name>o-ran-supervision</module-name>
    <access-operations>exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>o-ran-hardware-permission</name>
    <module-name>o-ran-hardware</module-name>
    <access-operations>read exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>ietf-hardware-permission</name>
    <module-name>ietf-hardware</module-name>
    <access-operations>create read update delete exec</access-operations>
    <action>permit</action>
  </rule>
  <rule>
    <name>iana-hardware-permission</name>
    <module-name>iana-hardware</module-name>
```

```
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission1</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0"/>o-ran-usermgmt:users/o-ran-usermgmt:user</path>
<access-operations>create update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission2</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0"/>o-ran-usermgmt:users/o-ran-usermgmt:user/o-ran-usermgmt:name</path>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission3</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0"/>o-ran-usermgmt:users/o-ran-usermgmt:user/o-ran-usermgmt:account-type</path>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission4</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0"/>o-ran-usermgmt:users/o-ran-usermgmt:user/o-ran-usermgmt:password</path>
<access-operations>create update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-usermgmt-permission5</name>
<module-name>o-ran-usermgmt</module-name>
<path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0"/>o-ran-usermgmt:users/o-ran-usermgmt:user/o-ran-usermgmt:enabled</path>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-fm-permission</name>
<module-name>o-ran-fm</module-name>
<access-operations>read exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-sync-permission</name>
<module-name>o-ran-sync</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
```

```
</rule>
<rule>
  <name>o-ran-delay-management-permission</name>
  <module-name>o-ran-delay-management</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-module-cap-permission</name>
  <module-name>o-ran-module-cap</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-udp-echo-permission</name>
  <module-name>o-ran-udp-echo</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-operations-permission</name>
  <module-name>o-ran-operations</module-name>
  <access-operations>read exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-uplane-conf</name>
  <module-name>o-ran-uplane-conf</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-lbm-permission</name>
  <module-name>o-ran-lbm</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-software-management-permission</name>
  <module-name>o-ran-software-management</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-file-management-permission</name>
  <module-name>o-ran-file-management</module-name>
  <access-operations>exec</access-operations>
  <action>permit</action>
</rule>
```



```
<rule>
<name>o-ran-performance-management-permission</name>
<module-name>o-ran-performance-management</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-ald-port-permission</name>
<module-name>o-ran-ald-port</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-ald-permission</name>
<module-name>o-ran-ald</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-transceiver-permission</name>
<module-name>o-ran-transceiver</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-interfaces-permission</name>
<module-name>o-ran-interfaces</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-ip-permission</name>
<module-name>ietf-ip</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-interfaces-permission</name>
<module-name>ietf-interfaces</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>iana-if-type-permission</name>
<module-name>iana-if-type</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
```

```
<name>ietf-inet-types-permission</name>
<module-name>ietf-inet-types</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-processing-elements-permission</name>
<module-name>o-ran-processing-element</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-mplane-interfaces-permission</name>
<module-name>o-ran-mplane-int</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-dhcp-permission</name>
<module-name>o-ran-dhcp</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-troubleshooting-permission</name>
<module-name>o-ran-troubleshooting</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-trace-permission</name>
<module-name>o-ran-trace</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-yang-library-permission</name>
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-monitoring-permission</name>
```

```
<module-name>ietf-netconf-monitoring</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-notifications-permission</name>
<module-name>ietf-netconf-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>nc-notifications-permission</name>
<module-name>nc-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>notifications-permission</name>
<module-name>notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule-list>
<rule-list>
<name>nms-access</name>
<group>nms</group>
<rule>
<name>ietf-netconf-permission</name>
<module-name>ietf-netconf</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-hardware-permission</name>
<module-name>o-ran-hardware</module-name>
<access-operations>read exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-hardware-permission</name>
<module-name>ietf-hardware</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>iana-hardware-permission</name>
<module-name>iana-hardware</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
```

```
</rule>
<rule>
  <name>o-ran-fm-permission</name>
  <module-name>o-ran-fm</module-name>
  <access-operations>read exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-sync-permission</name>
  <module-name>o-ran-sync</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-delay-management-permission</name>
  <module-name>o-ran-delay-management</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-module-cap-permission</name>
  <module-name>o-ran-module-cap</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-udp-echo-permission</name>
  <module-name>o-ran-udp-echo</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-operations-permission</name>
  <module-name>o-ran-operations</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-uplane-conf</name>
  <module-name>o-ran-uplane-conf</module-name>
  <access-operations>create read update delete exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-lbm-permission</name>
  <module-name>o-ran-lbm</module-name>
  <access-operations>create read update delete</access-operations>
  <action>permit</action>
</rule>
```

```
<rule>
<name>o-ran-software-management-permission</name>
<module-name>o-ran-software-management</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-file-management-permission</name>
<module-name>o-ran-file-management</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-performance-management-permission</name>
<module-name>o-ran-performance-management</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-ald-port-permission</name>
<module-name>o-ran-ald-port</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-transceiver-permission</name>
<module-name>o-ran-transceiver</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-interfaces-permission</name>
<module-name>o-ran-interfaces</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-ip-permission</name>
<module-name>ietf-ip</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-interfaces-permission</name>
<module-name>ietf-interfaces</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
```

```
<name>iana-if-type-permission</name>
<module-name>iana-if-type</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-inet-types-permission</name>
<module-name>ietf-inet-types</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-processing-elements-permission</name>
<module-name>o-ran-processing-element</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-mplane-interfaces-permission</name>
<module-name>o-ran-mplane-int</module-name>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-dhcp-permission</name>
<module-name>o-ran-dhcp</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-troubleshooting-permission</name>
<module-name>o-ran-troubleshooting</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-trace-permission</name>
<module-name>o-ran-trace</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-yang-library-permission</name>
```

```
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-monitoring-permission</name>
<module-name>ietf-netconf-monitoring</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-notifications-permission</name>
<module-name>ietf-netconf-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>nc-notifications-permission</name>
<module-name>nc-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>notifications-permission</name>
<module-name>notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule-list>
<rule-list>
<name>fm-pm-access</name>
<group>fm-pm</group>
<rule>
<name>ietf-netconf-permission</name>
<module-name>ietf-netconf</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-hardware-permission</name>
<module-name>ietf-hardware</module-name>
<access-operations>read exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>iana-hardware-permission</name>
<module-name>iana-hardware</module-name>
<access-operations>read exec</access-operations>
<action>permit</action>
```

```
</rule>
<rule>
  <name>o-ran-fm-permission</name>
  <module-name>o-ran-fm</module-name>
  <access-operations>read exec</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-sync-permission</name>
  <module-name>o-ran-sync</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-delay-management-permission</name>
  <module-name>o-ran-delay-management</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-module-cap-permission</name>
  <module-name>o-ran-module-cap</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-operations-permission</name>
  <module-name>o-ran-operations</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-uplane-conf</name>
  <module-name>o-ran-uplane-conf</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-lbm-permission</name>
  <module-name>o-ran-lbm</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>o-ran-software-management-permission</name>
  <module-name>o-ran-software-management</module-name>
  <access-operations>read</access-operations>
  <action>permit</action>
</rule>
```



```
<rule>
<name>o-ran-file-management-permission</name>
<module-name>o-ran-file-management</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-performance-management-permission</name>
<module-name>o-ran-performance-management</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-transceiver-permission</name>
<module-name>o-ran-transceiver</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-interfaces-permission</name>
<module-name>o-ran-interfaces</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-ip-permission</name>
<module-name>ietf-ip</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-interfaces-permission</name>
<module-name>ietf-interfaces</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>iana-if-type-permission</name>
<module-name>iana-if-type</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-inet-types-permission</name>
<module-name>ietf-inet-types</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
```

```
<name>o-ran-processing-elements-permission</name>
<module-name>o-ran-processing-element</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-mplane-interfaces-permission</name>
<module-name>o-ran-mplane-int</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-dhcp-permission</name>
<module-name>o-ran-dhcp</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-troubleshooting-permission</name>
<module-name>o-ran-troubleshooting</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-trace-permission</name>
<module-name>o-ran-trace</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-yang-library-permission</name>
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-monitoring-permission</name>
<module-name>ietf-netconf-monitoring</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-notifications-permission</name>
```

```
<module-name>ietf-netconf-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>nc-notifications-permission</name>
<module-name>nc-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>notifications-permission</name>
<module-name>notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule-list>
<rule-list>
<name>swm-access</name>
<group>swm</group>
<rule>
<name>ietf-netconf-permission</name>
<module-name>ietf-netconf</module-name>
<access-operations>exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>o-ran-software-management-permission</name>
<module-name>o-ran-software-management</module-name>
<access-operations>create read update delete exec</access-operations>
<action>permit</action>
</rule>
<rule>
<name>iana-if-type-permission</name>
<module-name>iana-if-type</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-inet-types-permission</name>
<module-name>ietf-inet-types</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>read</access-operations>
<action>permit</action>
```

```
</rule>
<rule>
  <name>ietf-yang-library-permission</name>
  <module-name>ietf-yang-library</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-netconf-monitoring-permission</name>
  <module-name>ietf-netconf-monitoring</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>ietf-netconf-notifications-permission</name>
  <module-name>ietf-netconf-notifications</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>nc-notifications-permission</name>
  <module-name>nc-notifications</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
<rule>
  <name>notifications-permission</name>
  <module-name>notifications</module-name>
  <access-operations>*</access-operations>
  <action>permit</action>
</rule>
</rule-list>
<denied-operations>0</denied-operations>
<denied-data-writes>0</denied-data-writes>
<denied-notifications>0</denied-notifications>
</nacm>
<interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
  <interface>
    <name>lo</name>
    <enabled>true</enabled>
    <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
    <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
      <address>
        <ip>127.0.0.1</ip>
        <netmask>255.0.0.0</netmask>
      </address>
      <enabled>true</enabled>
    </ipv4>
    <mac-address xmlns="urn:o-ran:interfaces:1.0">00:00:00:00:00:00</mac-address>
```

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<statistics>
<in-octets>1408</in-octets>
<in-discards>0</in-discards>
<in-errors>0</in-errors>
<out-octets>1408</out-octets>
<out-errors>0</out-errors>
<out-discards>0</out-discards>
</statistics>
<oper-status>up</oper-status>
<phys-address>00:00:00:00:00:00</phys-address>
<last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
<interface>
<name>eth0</name>
<enabled>true</enabled>
<type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
<ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
<address>
<ip>192.168.1.10</ip>
<netmask>255.255.255.0</netmask>
</address>
<enabled>true</enabled>
</ipv4>
<l2-mtu xmlns="urn:o-ran:interfaces:1.0">1500</l2-mtu>
<mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:00:8a:c1</mac-address>
<statistics>
<in-octets>0</in-octets>
<in-discards>0</in-discards>
<in-errors>0</in-errors>
<out-octets>0</out-octets>
<out-errors>0</out-errors>
<out-discards>0</out-discards>
</statistics>
<oper-status>up</oper-status>
<phys-address>98:ae:71:00:8a:c1</phys-address>
<last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
<interface>
<name>eth1</name>
<enabled>true</enabled>
<type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
<ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
<address>
<ip>192.168.4.50</ip>
<netmask>255.255.255.0</netmask>
</address>
<enabled>true</enabled>
</ipv4>
<l2-mtu xmlns="urn:o-ran:interfaces:1.0">1500</l2-mtu>
```

```
<mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:00:8a:c2</mac-address>
<statistics>
  <in-octets>28613</in-octets>
  <in-discards>0</in-discards>
  <in-errors>0</in-errors>
  <out-octets>57354</out-octets>
  <out-errors>0</out-errors>
  <out-discards>0</out-discards>
</statistics>
<oper-status>up</oper-status>
<phys-address>98:ae:71:00:8a:c2</phys-address>
<last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
<interface>
  <name>eth1.428</name>
  <enabled>true</enabled>
  <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:l2vlan</type>
  <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
    <address>
      <ip>192.168.241.37</ip>
      <netmask>255.255.255.0</netmask>
    </address>
    <enabled>true</enabled>
  </ipv4>
  <base-interface xmlns="urn:o-ran:interfaces:1.0">eth1</base-interface>
  <vlan-id xmlns="urn:o-ran:interfaces:1.0">428</vlan-id>
  <mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:00:8a:c2</mac-address>
  <port-reference xmlns="urn:o-ran:interfaces:1.0">
    <port-name>ru-port1</port-name>
    <port-number>1</port-number>
  </port-reference>
  <statistics>
    <in-octets>0</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>2488</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
  <last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
<interface>
  <name>eth1.490</name>
  <enabled>true</enabled>
  <type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:l2vlan</type>
  <ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
    <address>
```

```
<ip>192.168.49.39</ip>
<netmask>255.255.255.0</netmask>
</address>
<enabled>true</enabled>
</ipv4>
<base-interface xmlns="urn:o-ran:interfaces:1.0">eth1</base-interface>
<vlan-id xmlns="urn:o-ran:interfaces:1.0">490</vlan-id>
<mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:00:8a:c2</mac-address>
<port-reference xmlns="urn:o-ran:interfaces:1.0">
  <port-name>ru-port1</port-name>
  <port-number>1</port-number>
</port-reference>
<statistics>
  <in-octets>25643</in-octets>
  <in-discards>0</in-discards>
  <in-errors>0</in-errors>
  <out-octets>52005</out-octets>
  <out-errors>0</out-errors>
  <out-discards>0</out-discards>
</statistics>
<oper-status>up</oper-status>
<phys-address>98:ae:71:00:8a:c2</phys-address>
<last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
</interfaces>
<mplane-info xmlns="urn:o-ran:mplane-interfaces:1.0">
  <m-plane-interfaces>
    <m-plane-sub-interfaces>
      <interface-name>eth1.428</interface-name>
      <sub-interface>428</sub-interface>
      <client-info>
        <mplane-ipv4-info>
          <mplane-ipv4>192.168.49.88</mplane-ipv4>
          <port>4334</port>
        </mplane-ipv4-info>
      </client-info>
    </m-plane-sub-interfaces>
    <m-plane-sub-interfaces>
      <interface-name>eth1.490</interface-name>
      <sub-interface>490</sub-interface>
      <client-info>
        <mplane-ipv4-info>
          <mplane-ipv4>192.168.49.88</mplane-ipv4>
          <port>4334</port>
        </mplane-ipv4-info>
      </client-info>
    </m-plane-sub-interfaces>
  </m-plane-interfaces>
</mplane-info>
```

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<processing-elements xmlns="urn:o-ran:processing-element:1.0">
  <maximum-number-of-transport-flows>4</maximum-number-of-transport-flows>
</processing-elements>
<ald-ports-io xmlns="urn:o-ran:ald-port:1.0">
  <over-current-supported>false</over-current-supported>
  <ald-port>
    <name>PORT0</name>
    <port-id>0</port-id>
    <dc-control-support>false</dc-control-support>
    <dc-enabled-status>true</dc-enabled-status>
    <supported-connector>RS485_PORT</supported-connector>
  </ald-port>
</ald-ports-io>
<sync xmlns="urn:o-ran:sync:1.0">
  <ptp-config>
    <domain-number>24</domain-number>
    <accepted-clock-classes>
      <clock-classes>255</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>248</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>165</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>160</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>150</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>140</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>135</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>7</clock-classes>
    </accepted-clock-classes>
    <accepted-clock-classes>
      <clock-classes>6</clock-classes>
    </accepted-clock-classes>
    <ptp-profile>G_8275_1</ptp-profile>
    <g-8275-1-config>
      <multicast-mac-address>FORWARDABLE</multicast-mac-address>
      <delay-asymmetry>0</delay-asymmetry>
    </g-8275-1-config>
  </ptp-config>
</sync>
</processing-elements>
```



```
<ptp-status>
<reporting-period>10</reporting-period>
<lock-state>UNLOCKED</lock-state>
<clock-class>0</clock-class>
<partial-timing-supported>false</partial-timing-supported>
<sources>
<local-port-number>0</local-port-number>
<two-step-flag>false</two-step-flag>
<leap61>false</leap61>
<leap59>false</leap59>
<current-utc-offset-valid>false</current-utc-offset-valid>
<ptp-timescale>false</ptp-timescale>
<time-traceable>false</time-traceable>
<frequency-traceable>false</frequency-traceable>
<source-port-number>0</source-port-number>
<current-utc-offset>0</current-utc-offset>
<priority1>0</priority1>
<clock-class>0</clock-class>
<clock-accuracy>0</clock-accuracy>
<offset-scaled-log-variance>0</offset-scaled-log-variance>
<priority2>0</priority2>
<steps-removed>0</steps-removed>
<time-source>0</time-source>
</sources>
</ptp-status>
<synce-config>
<acceptance-list-of-ssm>PRC</acceptance-list-of-ssm>
<acceptance-list-of-ssm>EEC1</acceptance-list-of-ssm>
<acceptance-list-of-ssm>DNU</acceptance-list-of-ssm>
<acceptance-list-of-ssm>NONE</acceptance-list-of-ssm>
<ssm-timeout>5</ssm-timeout>
</synce-config>
<synce-status>
<reporting-period>10</reporting-period>
<lock-state>UNLOCKED</lock-state>
<sources>
<local-port-number>0</local-port-number>
<quality-level>0</quality-level>
</sources>
</synce-status>
<sync-status>
<sync-state>FREERUN</sync-state>
<supported-reference-types>
<item>PTP</item>
</supported-reference-types>
<supported-reference-types>
<item>SYNCE</item>
</supported-reference-types>
</sync-status>
```

```
<sync-capability>
  <sync-t-tsc>ENCHANCED</sync-t-tsc>
</sync-capability>
</sync>
<module-capability xmlns="urn:o-ran:module-cap:1.0">
  <ru-capabilities>
    <ru-supported-category>CAT_A</ru-supported-category>
    <number-of-ru-ports>4</number-of-ru-ports>
    <number-of-spatial-streams>4</number-of-spatial-streams>
    <max-power-per-pa-antenna>43.0</max-power-per-pa-antenna>
    <min-power-per-pa-antenna>43.0</min-power-per-pa-antenna>
    <fronthaul-split-option>7</fronthaul-split-option>
    <format-of-iq-sample>
      <dynamic-compression-supported>>false</dynamic-compression-supported>
      <realtime-variable-bit-width-supported>>false</realtime-variable-bit-width-supported>
      <compression-method-supported>
        <iq-bitwidth>9</iq-bitwidth>
        <compression-type>STATIC</compression-type>
        <bitwidth>9</bitwidth>
        <exponent>4</exponent>
      </compression-method-supported>
      <compression-method-supported>
        <iq-bitwidth>12</iq-bitwidth>
        <compression-type>STATIC</compression-type>
        <bitwidth>12</bitwidth>
        <exponent>4</exponent>
      </compression-method-supported>
      <compression-method-supported>
        <iq-bitwidth>16</iq-bitwidth>
        </compression-method-supported>
      </compression-method-supported>
      <variable-bit-width-per-channel-supported>>false</variable-bit-width-per-channel-supported>
      <syminc-supported>>false</syminc-supported>
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  <revision>2019-01-04</revision>
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<module>
  <name>ietf-netconf-nmda</name>
  <revision>2019-01-07</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-nmda</namespace>
  <location>file:///etc/sysrepo/yang/ietf-netconf-nmda@2019-01-07.yang</location>
  <feature>origin</feature>
  <feature>with-defaults</feature>
</module>
<module>
  <name>notifications</name>
  <revision>2008-07-14</revision>
  <namespace>urn:ietf:params:xml:ns:netconf:notification:1.0</namespace>
  <location>file:///etc/sysrepo/yang/notifications@2008-07-14.yang</location>
</module>
<module>
  <name>nc-notifications</name>
  <revision>2008-07-14</revision>
  <namespace>urn:ietf:params:xml:ns:netmod:notification</namespace>
  <location>file:///etc/sysrepo/yang/nc-notifications@2008-07-14.yang</location>
</module>
<module>
  <name>ietf-x509-cert-to-name</name>
  <revision>2014-12-10</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name</namespace>
  <location>file:///etc/sysrepo/yang/ietf-x509-cert-to-name@2014-12-10.yang</location>
</module>
<module>
  <name>ietf-crypto-types</name>
  <revision>2019-07-02</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-crypto-types</namespace>
```

```
<location>file:///etc/sysrepo/yang/ietf-crypto-types@2019-07-02.yang</location>
</module>
<module>
<name>ietf-keystore</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-keystore</namespace>
<location>file:///etc/sysrepo/yang/ietf-keystore@2019-07-02.yang</location>
<feature>keystore-supported</feature>
</module>
<module>
<name>ietf-truststore</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-truststore</namespace>
<location>file:///etc/sysrepo/yang/ietf-truststore@2019-07-02.yang</location>
<feature>truststore-supported</feature>
<feature>x509-certificates</feature>
</module>
<module>
<name>ietf-tcp-common</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-common</namespace>
<location>file:///etc/sysrepo/yang/ietf-tcp-common@2019-07-02.yang</location>
<feature>keepalives-supported</feature>
</module>
<import-only-module>
<name>ietf-ssh-common</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ssh-common</namespace>
<location>file:///etc/sysrepo/yang/ietf-ssh-common@2019-07-02.yang</location>
</import-only-module>
<import-only-module>
<name>iana-crypt-hash</name>
<revision>2014-08-06</revision>
<namespace>urn:ietf:params:xml:ns:yang:iana-crypt-hash</namespace>
<location>file:///etc/sysrepo/yang/iana-crypt-hash@2014-08-06.yang</location>
</import-only-module>
<module>
<name>ietf-ssh-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ssh-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-ssh-server@2019-07-02.yang</location>
<feature>local-client-auth-supported</feature>
</module>
<import-only-module>
<name>ietf-tls-common</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tls-common</namespace>
<location>file:///etc/sysrepo/yang/ietf-tls-common@2019-07-02.yang</location>
</import-only-module>
```

```
<module>
<name>ietf-tls-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tls-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-tls-server@2019-07-02.yang</location>
<feature>local-client-auth-supported</feature>
</module>
<import-only-module>
<name>ietf-tcp-client</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-client</namespace>
<location>file:///etc/sysrepo/yang/ietf-tcp-client@2019-07-02.yang</location>
</import-only-module>
<import-only-module>
<name>ietf-tcp-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-tcp-server@2019-07-02.yang</location>
</import-only-module>
<module>
<name>ietf-netconf-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-netconf-server@2019-07-02.yang</location>
<feature>ssh-listen</feature>
<feature>tls-listen</feature>
<feature>ssh-call-home</feature>
<feature>tls-call-home</feature>
</module>
<module>
<name>vvdn_mcel-wdm</name>
<revision>2022-05-03</revision>
<namespace>urn:vvdn_mcel:wdm:1.1</namespace>
<location>file:///etc/sysrepo/yang/vvdn_mcel-wdm@2022-05-03.yang</location>
</module>
<module>
<name>vvdn_mcel-opm</name>
<revision>2020-11-08</revision>
<namespace>urn:vvdn_mcel-opm:1.1</namespace>
<location>file:///etc/sysrepo/yang/vvdn_mcel-opm@2020-11-08.yang</location>
</module>
<module>
<name>notification_history</name>
<namespace>urn:notification_history</namespace>
<location>file:///etc/sysrepo/yang/notification_history.yang</location>
</module>
<module>
<name>iana-hardware</name>
<revision>2018-03-13</revision>
```



```
<namespace>urn:ietf:params:xml:ns:yang:iana-hardware</namespace>
<location>file:///etc/sysrepo/yang/iana-hardware@2018-03-13.yang</location>
</module>
<module>
<name>ietf-hardware</name>
<revision>2018-03-13</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-hardware</namespace>
<location>file:///etc/sysrepo/yang/ietf-hardware@2018-03-13.yang</location>
<feature>hardware-state</feature>
</module>
<module>
<name>ietf-interfaces</name>
<revision>2018-02-20</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-interfaces</namespace>
<location>file:///etc/sysrepo/yang/ietf-interfaces@2018-02-20.yang</location>
</module>
<module>
<name>iana-if-type</name>
<revision>2017-01-19</revision>
<namespace>urn:ietf:params:xml:ns:yang:iana-if-type</namespace>
<location>file:///etc/sysrepo/yang/iana-if-type@2017-01-19.yang</location>
</module>
<module>
<name>ietf-dhcpv6-types</name>
<revision>2018-01-30</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-dhcpv6-types</namespace>
<location>file:///etc/sysrepo/yang/ietf-dhcpv6-types@2018-01-30.yang</location>
</module>
<module>
<name>ietf-ip</name>
<revision>2018-02-22</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ip</namespace>
<location>file:///etc/sysrepo/yang/ietf-ip@2018-02-22.yang</location>
<feature>ipv4-non-contiguous-netmasks</feature>
</module>
<module>
<name>o-ran-dhcp</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:dhcp:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-dhcp@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-interfaces</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:interfaces:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-interfaces@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-mplane-int</name>
```

```
<revision>2019-07-03</revision>
<namespace>urn:o-ran:mplane-interfaces:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-mplane-int@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-transceiver</name>
  <revision>2019-07-03</revision>
  <namespace>urn:o-ran:transceiver:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-transceiver@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-processing-element</name>
  <revision>2019-07-03</revision>
  <namespace>urn:o-ran:processing-element:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-processing-element@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-ald-port</name>
  <revision>2019-07-03</revision>
  <namespace>urn:o-ran:ald-port:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-ald-port@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-supervision</name>
  <revision>2019-07-03</revision>
  <namespace>urn:o-ran:supervision:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-supervision@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-hardware</name>
  <revision>2019-07-03</revision>
  <namespace>urn:o-ran:hardware:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-hardware@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-fm</name>
  <revision>2019-02-04</revision>
  <namespace>urn:o-ran:fm:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-fm@2019-02-04.yang</location>
</module>
<module>
  <name>o-ran-usermgmt</name>
  <revision>2019-07-03</revision>
  <namespace>urn:o-ran:user-mgmt:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-usermgmt@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-sync</name>
  <revision>2019-07-03</revision>
```

```
<namespace>urn:o-ran:sync:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-sync@2019-07-03.yang</location>
<feature>GNSS</feature>
</module>
<module>
<name>o-ran-compression-factors</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:compression-factors:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-compression-factors@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-module-cap</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:module-cap:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-module-cap@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-delay-management</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:delay:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-delay-management@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-operations</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:operations:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-operations@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-uplane-conf</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:uplane-conf:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-uplane-conf@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-file-management</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:file-management:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-file-management@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-software-management</name>
<revision>2019-07-03</revision>
<namespace>urn:o-ran:software-management:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-software-management@2019-07-03.yang</location>
</module>
<module>
<name>o-ran-performance-management</name>
<revision>2019-07-03</revision>
```

```
<namespace>urn:o-ran:performance-management:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-performance-management@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-ald</name>
  <revision>2019-07-03</revision>
  <namespace>urn:o-ran:ald:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-ald@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-trace</name>
  <revision>2019-07-03</revision>
  <namespace>urn:o-ran:trace:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-trace@2019-07-03.yang</location>
</module>
<module>
  <name>o-ran-troubleshooting</name>
  <revision>2019-02-04</revision>
  <namespace>urn:o-ran:troubleshooting:1.0</namespace>
  <location>file:///etc/sysrepo/yang/o-ran-troubleshooting@2019-02-04.yang</location>
</module>
</module-set>
<schema>
  <name>complete</name>
  <module-set>complete</module-set>
</schema>
<content-id>63</content-id>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:candidate</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:startup</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</name>
  <schema>complete</schema>
</datastore>
</yang-library>
<modules-state xmlns="urn:ietf:params:xml:ns:yang:ietf-yang-library">
  <module>
    <name>ietf-yang-metadata</name>
    <revision>2016-08-05</revision>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-metadata</namespace>
```

```
<conformance-type>import</conformance-type>
</module>
<module>
  <name>yang</name>
  <revision>2017-02-20</revision>
  <namespace>urn:ietf:params:xml:ns:yang:1</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-inet-types</name>
  <revision>2013-07-15</revision>
  <schema>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-inet-types.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-inet-types</namespace>
  <conformance-type>import</conformance-type>
</module>
<module>
  <name>ietf-yang-types</name>
  <revision>2013-07-15</revision>
  <schema>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-yang-types.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-types</namespace>
  <conformance-type>import</conformance-type>
</module>
<module>
  <name>sysrepo</name>
  <revision>2021-01-18</revision>
  <namespace>http://www.sysrepo.org/yang/sysrepo</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-datastores</name>
  <revision>2018-02-14</revision>
  <schema>file:///etc/sysrepo/yang/ietf-datastores@2018-02-14.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-datastores</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-yang-library</name>
  <revision>2019-01-04</revision>
  <schema>file:///etc/sysrepo/yang/ietf-yang-library@2019-01-04.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-library</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>sysrepo-monitoring</name>
  <revision>2021-01-15</revision>
  <schema>file:///etc/sysrepo/yang/sysrepo-monitoring@2021-01-15.yang</schema>
  <namespace>http://www.sysrepo.org/yang/sysrepo-monitoring</namespace>
  <conformance-type>implement</conformance-type>
</module>
```

```
<module>
<name>sysrepo-plugind</name>
<revision>2020-12-10</revision>
<schema>file:///etc/sysrepo/yang/sysrepo-plugind@2020-12-10.yang</schema>
<namespace>urn:sysrepo:plugind</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-acm</name>
<revision>2018-02-14</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-acm@2018-02-14.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-acm</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf</name>
<revision>2013-09-29</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf@2013-09-29.yang</schema>
<namespace>urn:ietf:params:xml:ns:netconf:base:1.0</namespace>
<feature>writable-running</feature>
<feature>candidate</feature>
<feature>rollback-on-error</feature>
<feature>validate</feature>
<feature>startup</feature>
<feature>url</feature>
<feature>xpath</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-with-defaults</name>
<revision>2011-06-01</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-with-defaults@2011-06-01.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-notifications</name>
<revision>2012-02-06</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-notifications@2012-02-06.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-notifications</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-origin</name>
<revision>2018-02-14</revision>
<schema>file:///etc/sysrepo/yang/ietf-origin@2018-02-14.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-origin</namespace>
<conformance-type>implement</conformance-type>
</module>
```

```
<module>
<name>ietf-netconf-monitoring</name>
<revision>2010-10-04</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-monitoring@2010-10-04.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-netconf-nmda</name>
<revision>2019-01-07</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-nmda@2019-01-07.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-nmda</namespace>
<feature>origin</feature>
<feature>with-defaults</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>notifications</name>
<revision>2008-07-14</revision>
<schema>file:///etc/sysrepo/yang/notifications@2008-07-14.yang</schema>
<namespace>urn:ietf:params:xml:ns:netconf:notification:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>nc-notifications</name>
<revision>2008-07-14</revision>
<schema>file:///etc/sysrepo/yang/nc-notifications@2008-07-14.yang</schema>
<namespace>urn:ietf:params:xml:ns:netmod:notification</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-x509-cert-to-name</name>
<revision>2014-12-10</revision>
<schema>file:///etc/sysrepo/yang/ietf-x509-cert-to-name@2014-12-10.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-crypto-types</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-crypto-types@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-crypto-types</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-keystore</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-keystore@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-keystore</namespace>
```

```
<feature>keystore-supported</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-truststore</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-truststore@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-truststore</namespace>
  <feature>truststore-supported</feature>
  <feature>x509-certificates</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-tcp-common</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-tcp-common@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-common</namespace>
  <feature>keepalives-supported</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-ssh-common</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-ssh-common@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-ssh-common</namespace>
  <conformance-type>import</conformance-type>
</module>
<module>
  <name>iana-crypt-hash</name>
  <revision>2014-08-06</revision>
  <schema>file:///etc/sysrepo/yang/iana-crypt-hash@2014-08-06.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:iana-crypt-hash</namespace>
  <conformance-type>import</conformance-type>
</module>
<module>
  <name>ietf-ssh-server</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-ssh-server@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-ssh-server</namespace>
  <feature>local-client-auth-supported</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-tls-common</name>
  <revision>2019-07-02</revision>
  <schema>file:///etc/sysrepo/yang/ietf-tls-common@2019-07-02.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-tls-common</namespace>
  <conformance-type>import</conformance-type>
</module>
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<module>
<name>ietf-tls-server</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-tls-server@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tls-server</namespace>
<feature>local-client-auth-supported</feature>
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</module>
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<revision>2019-07-02</revision>
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<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-client</namespace>
<conformance-type>import</conformance-type>
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<revision>2019-07-02</revision>
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<revision>2019-07-02</revision>
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<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-server</namespace>
<feature>ssh-listen</feature>
<feature>tls-listen</feature>
<feature>ssh-call-home</feature>
<feature>tls-call-home</feature>
<conformance-type>implement</conformance-type>
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<revision>2022-05-03</revision>
<schema>file:///etc/sysrepo/yang/vvdn_mcel-wdm@2022-05-03.yang</schema>
<namespace>urn:vvdn_mcel:wdm:1.1</namespace>
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<name>notification_history</name>
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<name>iana-hardware</name>
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<schema>file:///etc/sysrepo/yang/iana-hardware@2018-03-13.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:iana-hardware</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
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<feature>hardware-state</feature>
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<name>ietf-interfaces</name>
<revision>2018-02-20</revision>
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<name>ietf-ip</name>
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<schema>file:///etc/sysrepo/yang/ietf-ip@2018-02-22.yang</schema>
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</module>
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</module>
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<conformance-type>implement</conformance-type>
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</module>
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  <namespace>urn:o-ran:operations:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
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  <namespace>urn:o-ran:uplane-conf:1.0</namespace>
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</module>
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  <revision>2019-07-03</revision>
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  <namespace>urn:o-ran:ald:1.0</namespace>
  <conformance-type>implement</conformance-type>
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  <namespace>urn:o-ran:trace:1.0</namespace>
  <conformance-type>implement</conformance-type>
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</module>
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  <schema>file:///etc/sysrepo/yang/o-ran-troubleshooting@2019-02-04.yang</schema>
  <namespace>urn:o-ran:troubleshooting:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
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    <capability>urn:ietf:params:netconf:base:1.1</capability>
    <capability>urn:ietf:params:netconf:capability:writable-running:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:candidate:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:rollback-on-error:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:validate:1.1</capability>
    <capability>urn:ietf:params:netconf:capability:startup:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:xpath:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,expl
  </capability>
    <capability>urn:ietf:params:netconf:capability:notification:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:interleave:1.0</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05</capability>
    <capability>urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15</capability>
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    <capability>urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=63</capability>
    <capability>urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14</capability>
    <capability>urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate
,rollback-on-error,validate,startup,url,xpath</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04</capability>
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    <capability>urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06</capability>
    <capability>urn:notification_history?module=notification_history</capability>
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</modules-state>
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    <version>2016-08-05</version>
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<identifier>o-ran-troubleshooting</identifier>
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<format>yang</format>
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<format>yin</format>
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<location>NETCONF</location>
</schema>
</schemas>
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<session>
<session-id>4</session-id>
<transport>netconf-ssh</transport>
<username>operator</username>
<source-host>192.168.49.88</source-host>
<login-time>2103-10-30T00:03:06Z</login-time>
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<in-bad-rpcs>0</in-bad-rpcs>
<out-rpc-errors>0</out-rpc-errors>
<out-notifications>0</out-notifications>
</session>
</sessions>
<statistics>
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<in-sessions>4</in-sessions>
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<in-rpcs>8</in-rpcs>
<in-bad-rpcs>0</in-bad-rpcs>
<out-rpc-errors>0</out-rpc-errors>
<out-notifications>0</out-notifications>
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<description>Default NETCONF stream containing notifications from all the modules. Replays only notifications for modules that support
replay.</description>
<replaySupport>true</replaySupport>
</stream>
<stream>
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<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
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<stream>
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<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
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<description>Stream with all notifications of a module.</description>
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<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
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<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
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<replaySupport>>false</replaySupport>
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<name>o-ran-operations</name>
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<name>o-ran-troubleshooting</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
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</streams>
</netconf>
<interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
<interface>
```

```
<name>lo</name>
<oper-status>up</oper-status>
<phys-address>00:00:00:00:00:00</phys-address>
<statistics>
  <in-octets>1408</in-octets>
  <in-discards>0</in-discards>
  <in-errors>0</in-errors>
  <out-octets>1408</out-octets>
  <out-errors>0</out-errors>
  <out-discards>0</out-discards>
</statistics>
</interface>
<interface>
  <name>eth0</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c1</phys-address>
  <statistics>
    <in-octets>0</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>0</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
</interface>
<interface>
  <name>eth1</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
  <statistics>
    <in-octets>28613</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>57354</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
</interface>
<interface>
  <name>eth1.428</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
  <statistics>
    <in-octets>0</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>2488</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
```

```
</statistics>
</interface>
<interface>
  <name>eth1.490</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:00:8a:c2</phys-address>
  <statistics>
    <in-octets>25643</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>52005</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
</interface>
</interfaces-state>
<dhcp xmlns="urn:o-ran:dhcp:1.0">
  <interfaces>
    <interface>eth1.490</interface>
    <dhcpv4>
      <dhcp-server-identifier>192.168.49.88</dhcp-server-identifier>
      <domain-name>vvdntech.com</domain-name>
      <domain-name-servers>192.168.49.88</domain-name-servers>
      <interface-mtu>1500</interface-mtu>
      <default-gateways>192.168.49.88</default-gateways>
      <netconf-clients>
        <client>192.168.49.88</client>
      </netconf-clients>
    </dhcpv4>
  </interfaces>
</dhcp>
<software-inventory xmlns="urn:o-ran:software-management:1.0">
  <software-slot>
    <name>swSlot1</name>
    <status>VALID</status>
    <active>false</active>
    <running>false</running>
    <access>READ_WRITE</access>
    <product-code>STL=O-RU</product-code>
    <vendor-code>VN</vendor-code>
    <build-id>factory_img</build-id>
    <build-name>Beta Release</build-name>
    <build-version>1.0.0</build-version>
    <files>
      <name>boot</name>
      <version>1.0.0</version>
      <local-path>/media/sd-mmcb1k0p1/BOOT0001.BIN</local-path>
      <integrity>OK</integrity>
    </files>
```



```
<files>
<name>kernel</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p1/image0001.ub</local-path>
<integrity>OK</integrity>
</files>
<files>
<name>rootfs</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p2/</local-path>
<integrity>OK</integrity>
</files>
</software-slot>
<software-slot>
<name>swSlot2</name>
<status>VALID</status>
<active>true</active>
<running>true</running>
<access>READ_WRITE</access>
<product-code>STL=O-RU</product-code>
<vendor-code>VN</vendor-code>
<build-id>abaa284</build-id>
<build-name>Beta Release</build-name>
<build-version>1.0.1</build-version>
<files>
<name>boot</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p1/BOOT0002.BIN</local-path>
<integrity>OK</integrity>
</files>
<files>
<name>kernel</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p1/image0002.ub</local-path>
<integrity>OK</integrity>
</files>
<files>
<name>rootfs</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p3/</local-path>
<integrity>OK</integrity>
</files>
</software-slot>
<software-slot>
<name>swRecoverySlot</name>
<status>VALID</status>
<active>false</active>
<running>false</running>
<access>READ_ONLY</access>
```

```
<product-code>STL=O-RU</product-code>
<vendor-code>VN</vendor-code>
<build-id>factory_img</build-id>
<build-name>Beta Release</build-name>
<build-version>1.0.0</build-version>
<files>
  <name>boot</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/BOOT0003.BIN</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/golden.ub</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>rootfs</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/golden.ub</local-path>
  <integrity>OK</integrity>
</files>
</software-slot>
</software-inventory>
</data>
```

=====

SYSTEM LOGS

=====

Expected Result : The O-RU NETCONF Server responds with <rpc-reply><data> where <data> contains all information elements that the O-RU NETCONF Server is able to expose

=====
***** **Actual Result** *****
=====

=====
Retrieval without Filter Applied = SUCCESS
=====