



**@ 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 \*\*\*\*\*

```
> listen --ssh --login root
```

```
Waiting 60s for an SSH Call Home connection on port 4334...
```

```
The authenticity of the host '::ffff:192.168.49.43' cannot be established.
```

```
ssh-rsa key fingerprint is c0:7c:63:5d:4b:85:e7:27:e0:7e:f0:44:38:4e:ab:83
```

```
Interactive SSH Authentication done.
```

```
> status
```

```
Current NETCONF session:
```

```
ID      : 56
```

```
Host    : 192.168.49.43
```

```
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">
  <keystore xmlns="urn:ietf:params:xml:ns:yang:ietf-keystore">
    <asymmetric-keys>
      <asymmetric-key>
        <name>genkey</name>
        <algorithm>rsa2048</algorithm>
        <public-key>MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAzYRjPYvux03VA/ZokexW2yJ/9ZhjbUAXiIUwcHf5YZyLs1Vsz
vahxASW0X4UtD7UnmVttB2t8/zWqr3QM5Eqae4+IVk09klrZ2O9zRpW6QQX3q3gLiRhUAzN/khkT6Bn4BdzvPqecdFfMBthMf6gxSUUdXbM
wZ2ZfIjjUuUC4StmvNOWYsbb8VDbHH56THkatCGaBQkW71X5piHInYZg9EpUQiAtNzwYztjmyEA3J7niapYcHfthvL7KNL7rWBv+Z6HdsW
Y/jLzpBB89DKuaLatGo3MmTonXAv3CebWvmPt/7uxIU/a431yqlcpnzBFhEaIvvGol8EuTg9x0h70H2wwIDAQAB</public-key>
        <private-key>MIIEvgIBADANBgkqhkiG9w0BAQEFAASCBAQgwwggSkAgEAAoIBAQDNhGM9i+7HTdUD9miR7FbbIn/1mGNtQBeIhTBwd/
lhnIuzVWzO9qHEBjBrfhS0PtSeZW20Ha3z/NaqvdAzkSptTj6VWTT2SWtnY73NGlbpBBfereAuJGFQDM3+SGRPoGfgF3O8+p5x0V8wG2Ex/
qDFJRR1dszBnZi8iONS4LhK2a805ZixtvxUNscfnpMeRq0IZoFCRbvVfmmIcidhmD0SIRCIC03PBjO2ObIQDcnueJqlhwd+2G8vso0vutYG/5nod
2xZj+MvOkEHZ0OS5otq0ajcyZOidcC/cJxta+Y+3/u7EhT9rjfXKqVymfMEWERoi+8agjwSOD3HSHvQfbDagMBAAECggEAB4XkGBmqOP
N5a7a2ZzkOiOD/bB8S7Kne8qld4h8wXz4hC0JWZ4fl8xPNQX3fg2avN2boW9AseC8fu2J1Ilo0v6iPddRH/7aBqPZC8v+CHOU6BrXTPkZ8tM1
Kyy9N0j45HQXUYCfEi2G3XzzFuBqRC0yTYZ2wlOhjbr5FcySEnNKryu6NljdmQsomLQJ/za1yHBEAx7YVi9GrJzBAFENLGqIH7M7wMn4
MLCr5OodoVhdd45BiF5VswP+y67EWhZcF5vi9S/8AxS+GSeGv/hoLB+1KCyxk9vXbshVYOW2zEVUghJ1T4RXf7uW7unxNnzCbuePNVTvA
1uV38A8FMmliQKBgQDuvoZJdu/SdJAnnR65x3aTL/OpChtmYY6qi2+bLn8MLA+hbzKbJcwhqpYxb1CGFSfQssBCRUaX6wVfB3C0e2Sved2C
BXdYMZzRbeEdgilhal2BP2/tW5gazz2d27hCsiU7pyZatnWI6FAV3IOSBU97cAmhfBfZaQJtmguuZaWvtQKBgQDcXwo6rgSSWotzPUhkJWix
ChBoqkE6WFbzZTiVsHp1kplugxe3P0rTjI98MWKcowAHUNGJ7v4IPJlaKB9xYXwp7bJKrkXftluuyQepsau/oljp122GNyJyHeV2KuK7Im55tla3
05Vp4gn57G4U+NkX+QsYR10eNChiHBHKE+/nlwKBgBkqRLTHsKfCWZ+TVDXI7Jq/JzPeON0I01/uqqj00bd6vXsKuY7ZARdbX9F+JkK74C
KDdPiHTNWelEZcBmk/yHEmq06VPOsy75CzwFLX8LkM+SYyhZ3DVdkdlyUYj+eX14zeJZDSQrlXo3lqcQPnQ2WDfcBj0C+zs2CUkD6lwD0
xAoGBANVR6sUCzsodfAABwqGuzm5KH7gxKzKpfr+ry+pf1WixMGhj426YM2piN9bdK0ixCv5OWFc5V6tyrGkTW6SptPbmtGVaFYBrB3
vkVU/wdW5SBRTQ3CtEMv6KzwOCfXYvURf2Mg4YLMtyk8aq7eOsL2QGwM20xcCYIpe/HfOPhAoGBALvMEDLK0se5Qxesj1YgE+b6U3
M+Wwh9JefU1j/sEVJ3h7fCY7iWQA1GIRBUEITltiKkZSSgSF+arASMeBdaR2+R+3ImS5MDWmvnZjAiGSXhIWjTEPe/WsoejtnckjjX0yhPPI
NBKsT2n5wHAcdf6ZlvdcpGkzM4IdQkxZfjbQ</private-key>
      </asymmetric-key>
    </asymmetric-keys>
  </keystore>
  <users xmlns="urn:o-ran:user-mgmt:1.0">
    <user>
      <name>oranuser</name>
      <account-type>PASSWORD</account-type>
      <password>oranuser</password>
      <enabled>true</enabled>
    </user>
  </users>
</data>
```

```
</user>
<user>
  <name>operator</name>
  <account-type>PASSWORD</account-type>
  <password>admin1234895</password>
  <enabled>true</enabled>
</user>
<user>
  <name>observer</name>
  <account-type>PASSWORD</account-type>
  <password>admin123</password>
  <enabled>true</enabled>
</user>
<user>
  <name>installer</name>
  <account-type>PASSWORD</account-type>
  <password>wireless123</password>
  <enabled>true</enabled>
</user>
<user>
  <name>garuda</name>
  <account-type>PASSWORD</account-type>
  <password>garuda12345</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator11302326379</name>
  <account-type>PASSWORD</account-type>
  <password>Aemlsk9}{2xgQVF</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator44567591</name>
  <account-type>PASSWORD</account-type>
  <password>y07)BAFyAm0M7W1lc2mEA_D5[5YytpafL6xTTCXM%Q]~Z2Fv^</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator8075861281902</name>
  <account-type>PASSWORD</account-type>
  <password>GV2QSHVzl}B)vk(!tw2pZhuFkkn%L^E)wgk(Z{KfgXCpdkfEA+NGMY(B^+kDYB8R06v</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator17619020756748090</name>
  <account-type>PASSWORD</account-type>
  <password>nwk75gnD[44LqeBrwKFcBvaUNPKz6gARf_M.EHxwG.EGuk{-n_Os0avM}$XZ}LBYNb+)M!NcV0RunG}_-)9F2gu%nKKsd+X
kOgXvIYxh%QxBQsA7EYqB</password>
  <enabled>true</enabled>
```

```
</user>
<user>
  <name>operator86938204120707827368</name>
  <account-type>PASSWORD</account-type>
  <password>s8icesF.Hl~%FN4_]!MKBMVqa]{RUQkL07x.+)-VmZfAh3nJxwS+y6I!</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator7596639986022389968</name>
  <account-type>PASSWORD</account-type>
  <password>v+Dq5KtKuj(^!x</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator0126795795152205</name>
  <account-type>PASSWORD</account-type>
  <password>RdP1GycV9r]R15N_k7Hnz5wF)vjY~dxBE!v^MxSq4Gke1nCkSCW+1)1z%2}kOtLnjiWbj]EY7QUk%15H0g~QYlrR0bRkZMz1x
TyDy3ca6-r</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator119986</name>
  <account-type>PASSWORD</account-type>
  <password>1Xrl)+$ki)QoleMi)vVRig.u</password>
  <enabled>true</enabled>
</user>
<user>
  <name>stl</name>
  <account-type>PASSWORD</account-type>
  <password>stli12345</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator72008202</name>
  <account-type>PASSWORD</account-type>
  <password>INxRH3HsE</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator06308723954138</name>
  <account-type>PASSWORD</account-type>
  <password>36eb.%^8cvTFI~5SYnjID9E7pVT$A9bJ]VKkDyfolI}Y~1V3uJWrh~]I^o4i}SzQJCD!ufgDHsR5pM-m-xLeMj(vl</password>
  <enabled>true</enabled>
</user>
<user>
  <name>operator21726001215379102</name>
  <account-type>PASSWORD</account-type>
  <password>PuUPKD.3JY4^2f1i$t~CTW12CO8yWjU$b}12jZwrb7kpkwd(b%2s1S}</password>
  <enabled>true</enabled>
```

```
</user>
<user>
  <name>operator441110748091</name>
  <account-type>PASSWORD</account-type>
  <password>uo7gz!W^7YY9Z23.%JJ$u[gDTV8E4EQuhke.8te(7xrg3v9kkN!6E3^VWGI-NuR^oQO-Z9~rDUBDqgxNC~u%]rKM1YSv.nD{pI<
/password>
  <enabled>true</enabled>
</user>
</users>
<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>
    <statistics>
      <in-octets>16016</in-octets>
      <in-discards>0</in-discards>
      <in-errors>0</in-errors>
      <out-octets>16016</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>4643223</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>15140593</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>56951</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>192.168.49.43</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>4067025</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>14922641</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>
<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>
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<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>
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<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>
```

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<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>
```

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<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>
```

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<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>
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```
<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>
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<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>
```

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<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>
<netconf-server xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-server">
<listen>
<endpoint>
<name>default-ssh</name>
<ssh>
<tcp-server-parameters>
<local-address>:</local-address>
<keepalives>
<idle-time>1</idle-time>
<max-probes>10</max-probes>
<probe-interval>5</probe-interval>
</keepalives>
</tcp-server-parameters>
<ssh-server-parameters>
```

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<server-identity>
  <host-key>
    <name>default-key</name>
    <public-key>
      <keystore-reference>genkey</keystore-reference>
    </public-key>
  </host-key>
</server-identity>
<client-authentication>
  <supported-authentication-methods>
    <publickey/>
    <passsword/>
    <other>interactive</other>
  </supported-authentication-methods>
  <users/>
</client-authentication>
</ssh-server-parameters>
</ssh>
</endpoint>
</listen>
<call-home>
  <netconf-client>
    <name>default-client</name>
    <endpoints>
      <endpoint>
        <name>endpoint-1</name>
        <ssh>
          <tcp-client-parameters>
            <remote-address>192.168.49.88</remote-address>
            <keepalives>
              <idle-time>1</idle-time>
              <max-probes>10</max-probes>
              <probe-interval>5</probe-interval>
            </keepalives>
          </tcp-client-parameters>
          <ssh-server-parameters>
            <server-identity>
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                </public-key>
              </host-key>
            </server-identity>
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<alert>critical</alert>
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</module-notification>
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<model-name>RU_INDOOR_LPRU</model-name>
<uuid>f81d4fae-7dec-11d0-a765-00a0c91e6bf6</uuid>
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  <parent-rel-pos>0</parent-rel-pos>
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  <acceptance-list-of-ssm>DNU</acceptance-list-of-ssm>
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    <zenith-angle>1.0</zenith-angle>
  </normal-vector-direction>
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    <y>1.0</y>
    <z>1.0</z>
  </leftmost-bottom-array-element-position>
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</capabilities>
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</capabilities>
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  </array1>
  <array2>
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  </array2>
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    </pairs>
  </types>
</relations>
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    </pairs>
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  <array2>
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  </array2>
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      <element-array2>2</element-array2>
```

```
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</relations>
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  <max-prb-per-symbol>273</max-prb-per-symbol>
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```

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<eaxc-measured-result>
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</min>
<max>
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</latest>
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```

```
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<max>
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  <remote-SFTP-upload-path>sftp://vvdn@192.168.1.12:22/home/vvdn</remote-SFTP-upload-path>
  <password>
    <password>vvdn</password>
  </password>
  <server>
    <keys>
      <algorithm>rsa2048</algorithm>
      <public-key>AAAAB3NzaC1yc2EAAAADAQABAAQADvnAH0aJm0jCsRhKx4dP2QZ569sxiEnCFRBF0l1gemOeuV+MmaScGChWIB
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+Ad4ocSvG7epu2kpC1FGWJ4DIb+yzUpHleYap9vX+C2zMLYV0HhN+Guhy5uUdL12NOfdykSs0QsOODovRu1SqA9Jn0JtaXZak0e1pr6UM0G
qK1GlsZfbmkFo0TupBn8hr2j1ik34cEglUe2DZJO4YSzwox+MdJRErS8t6Z36MrSGOO6MLAowA5</public-key>
    </keys>
  </server>
</remote-SFTP-uploads>
</performance-measurement-objects>
<yang-library xmlns="urn:ietf:params:xml:ns:yang:ietf-yang-library">
  <module-set>
    <name>complete</name>
    <import-only-module>
      <name>ietf-yang-metadata</name>
      <revision>2016-08-05</revision>
      <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-metadata</namespace>
    </import-only-module>
    <module>
      <name>yang</name>
      <revision>2017-02-20</revision>
      <namespace>urn:ietf:params:xml:ns:yang:1</namespace>
    </module>
    <import-only-module>
      <name>ietf-inet-types</name>
      <revision>2013-07-15</revision>
      <namespace>urn:ietf:params:xml:ns:yang:ietf-inet-types</namespace>
      <location>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-inet-types.yang</location>
```

```
</import-only-module>
<import-only-module>
  <name>ietf-yang-types</name>
  <revision>2013-07-15</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-types</namespace>
  <location>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-yang-types.yang</location>
</import-only-module>
<module>
  <name>sysrepo</name>
  <revision>2021-01-18</revision>
  <namespace>http://www.sysrepo.org/yang/sysrepo</namespace>
</module>
<module>
  <name>ietf-datastores</name>
  <revision>2018-02-14</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-datastores</namespace>
  <location>file:///etc/sysrepo/yang/ietf-datastores@2018-02-14.yang</location>
</module>
<module>
  <name>ietf-yang-library</name>
  <revision>2019-01-04</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-library</namespace>
  <location>file:///etc/sysrepo/yang/ietf-yang-library@2019-01-04.yang</location>
</module>
<module>
  <name>sysrepo-monitoring</name>
  <revision>2021-01-15</revision>
  <namespace>http://www.sysrepo.org/yang/sysrepo-monitoring</namespace>
  <location>file:///etc/sysrepo/yang/sysrepo-monitoring@2021-01-15.yang</location>
</module>
<module>
  <name>sysrepo-plugind</name>
  <revision>2020-12-10</revision>
  <namespace>urn:sysrepo:plugind</namespace>
  <location>file:///etc/sysrepo/yang/sysrepo-plugind@2020-12-10.yang</location>
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<module>
  <name>ietf-netconf-acm</name>
  <revision>2018-02-14</revision>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-acm</namespace>
  <location>file:///etc/sysrepo/yang/ietf-netconf-acm@2018-02-14.yang</location>
</module>
<module>
  <name>ietf-netconf</name>
  <revision>2013-09-29</revision>
  <namespace>urn:ietf:params:xml:ns:netconf:base:1.0</namespace>
  <location>file:///etc/sysrepo/yang/ietf-netconf@2013-09-29.yang</location>
  <feature>writable-running</feature>
  <feature>candidate</feature>
```

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<feature>rollback-on-error</feature>
<feature>validate</feature>
<feature>startup</feature>
<feature>url</feature>
<feature>xpath</feature>
</module>
<module>
<name>ietf-netconf-with-defaults</name>
<revision>2011-06-01</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults</namespace>
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</module>
<module>
<name>ietf-netconf-notifications</name>
<revision>2012-02-06</revision>
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<location>file:///etc/sysrepo/yang/ietf-netconf-notifications@2012-02-06.yang</location>
</module>
<module>
<name>ietf-origin</name>
<revision>2018-02-14</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-origin</namespace>
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</module>
<module>
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<revision>2010-10-04</revision>
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</module>
<module>
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<revision>2019-01-07</revision>
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<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>
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</module>
<module>
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<revision>2008-07-14</revision>
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```
</module>
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  <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>
<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>
<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>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-tcp-client</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-tcp-client@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-client</namespace>
<conformance-type>import</conformance-type>
</module>
<module>
<name>ietf-tcp-server</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-tcp-server@2019-07-02.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-server</namespace>
<conformance-type>import</conformance-type>
</module>
<module>
<name>ietf-netconf-server</name>
<revision>2019-07-02</revision>
<schema>file:///etc/sysrepo/yang/ietf-netconf-server@2019-07-02.yang</schema>
<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>
</module>
<module>
<name>vvdn_mcel-wdm</name>
<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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<conformance-type>implement</conformance-type>
</module>
<module>
  <name>vvdn_mcel-opm</name>
  <revision>2020-11-08</revision>
  <schema>file:///etc/sysrepo/yang/vvdn_mcel-opm@2020-11-08.yang</schema>
  <namespace>urn:vvdn_mcel-opm:1.1</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>notification_history</name>
  <revision/>
  <schema>file:///etc/sysrepo/yang/notification_history.yang</schema>
  <namespace>urn:notification_history</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>iana-hardware</name>
  <revision>2018-03-13</revision>
  <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>
  <name>ietf-hardware</name>
  <revision>2018-03-13</revision>
  <schema>file:///etc/sysrepo/yang/ietf-hardware@2018-03-13.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-hardware</namespace>
  <feature>hardware-state</feature>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-interfaces</name>
  <revision>2018-02-20</revision>
  <schema>file:///etc/sysrepo/yang/ietf-interfaces@2018-02-20.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-interfaces</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>iana-if-type</name>
  <revision>2017-01-19</revision>
  <schema>file:///etc/sysrepo/yang/iana-if-type@2017-01-19.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:iana-if-type</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-dhcpv6-types</name>
  <revision>2018-01-30</revision>
  <schema>file:///etc/sysrepo/yang/ietf-dhcpv6-types@2018-01-30.yang</schema>
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<namespace>urn:ietf:params:xml:ns:yang:ietf-dhcpv6-types</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>ietf-ip</name>
<revision>2018-02-22</revision>
<schema>file:///etc/sysrepo/ietf-ip@2018-02-22.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ip</namespace>
<feature>ipv4-non-contiguous-netmasks</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-dhcp</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/ietf-ip@2019-07-03.yang</schema>
<namespace>urn:o-ran:dhcp:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-interfaces</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/ietf-ip@2019-07-03.yang</schema>
<namespace>urn:o-ran:interfaces:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-mplane-int</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/ietf-ip@2019-07-03.yang</schema>
<namespace>urn:o-ran:mplane-interfaces:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-transceiver</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/ietf-ip@2019-07-03.yang</schema>
<namespace>urn:o-ran:transceiver:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-processing-element</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/ietf-ip@2019-07-03.yang</schema>
<namespace>urn:o-ran:processing-element:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-ald-port</name>
<revision>2019-07-03</revision>
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<schema>file:///etc/sysrepo/yang/o-ran-ald-port@2019-07-03.yang</schema>
<namespace>urn:o-ran:ald-port:1.0</namespace>
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</module>
<module>
<name>o-ran-supervision</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-supervision@2019-07-03.yang</schema>
<namespace>urn:o-ran:supervision:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-hardware</name>
<revision>2019-07-03</revision>
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<namespace>urn:o-ran:hardware:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-fm</name>
<revision>2019-02-04</revision>
<schema>file:///etc/sysrepo/yang/o-ran-fm@2019-02-04.yang</schema>
<namespace>urn:o-ran:fm:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-usermgmt</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-usermgmt@2019-07-03.yang</schema>
<namespace>urn:o-ran:user-mgmt:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-sync</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-sync@2019-07-03.yang</schema>
<namespace>urn:o-ran:sync:1.0</namespace>
<feature>GNSS</feature>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-compression-factors</name>
<revision>2019-07-03</revision>
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<namespace>urn:o-ran:compression-factors:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
<name>o-ran-module-cap</name>
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<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-module-cap@2019-07-03.yang</schema>
<namespace>urn:o-ran:module-cap:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-delay-management</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-delay-management@2019-07-03.yang</schema>
  <namespace>urn:o-ran:delay:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-operations</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-operations@2019-07-03.yang</schema>
  <namespace>urn:o-ran:operations:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-uplane-conf</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-uplane-conf@2019-07-03.yang</schema>
  <namespace>urn:o-ran:uplane-conf:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-file-management</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-file-management@2019-07-03.yang</schema>
  <namespace>urn:o-ran:file-management:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-software-management</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-software-management@2019-07-03.yang</schema>
  <namespace>urn:o-ran:software-management:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-performance-management</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-performance-management@2019-07-03.yang</schema>
  <namespace>urn:o-ran:performance-management:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-ald</name>
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<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-ald@2019-07-03.yang</schema>
<namespace>urn:o-ran:ald:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-trace</name>
  <revision>2019-07-03</revision>
  <schema>file:///etc/sysrepo/yang/o-ran-trace@2019-07-03.yang</schema>
  <namespace>urn:o-ran:trace:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>o-ran-troubleshooting</name>
  <revision>2019-02-04</revision>
  <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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</modules-state>
<sysrepo-state xmlns="http://www.sysrepo.org/yang/sysrepo-monitoring">
  <module>
    <name>yang</name>
  </module>
  <module>
    <name>ietf-datastores</name>
  </module>
  <module>
    <name>ietf-yang-library</name>
    <data-lock>
      <cid>1</cid>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <mode>read</mode>
    </data-lock>
    <data-lock>
      <cid>1</cid>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
      <mode>read</mode>
    </data-lock>
    <subscriptions>
      <notification-sub>1</notification-sub>
      <notification-sub>1</notification-sub>
    </subscriptions>
  </module>
  <module>
    <name>sysrepo-monitoring</name>
    <data-lock>
      <cid>1</cid>
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<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
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<data-lock>
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<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
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</data-lock>
</module>
<module>
<name>sysrepo-pluginind</name>
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</data-lock>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
</module>
<module>
<name>ietf-netconf-with-defaults</name>
</module>
<module>
<name>ietf-netconf-notifications</name>
<subscriptions>
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<notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
<name>ietf-origin</name>
</module>
<module>
<name>ietf-netconf-acm</name>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
```



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<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"/>/nacm:nacm</xpath>
<priority>0</priority>
<cid>1</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
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<cid>1</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
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<cid>1</cid>
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<change-sub>
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<xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"/>/nacm:nacm/nacm:denied-operations</xpath>
<cid>1</cid>
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<operational-sub>
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<cid>1</cid>
</operational-sub>
<operational-sub>
<xpath xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"/>/nacm:nacm/nacm:denied-notifications</xpath>
<cid>1</cid>
</operational-sub>
</subscriptions>
</module>
<module>
<name>ietf-netconf</name>
</module>
<module>
<name>ietf-netconf-monitoring</name>
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<mode>read</mode>
</data-lock>
<data-lock>
<cid>1</cid>
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<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
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<subscriptions>
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    <xpath xmlns:ncm="urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring">/ncm:netconf-state</xpath>
    <cid>1</cid>
  </operational-sub>
</subscriptions>
</module>
<module>
  <name>ietf-netconf-nmda</name>
</module>
<module>
  <name>nc-notifications</name>
  <data-lock>
    <cid>1</cid>
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    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
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    </operational-sub>
    <notification-sub>1</notification-sub>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>notifications</name>
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<module>
  <name>ietf-x509-cert-to-name</name>
</module>
<module>
  <name>ietf-crypto-types</name>
</module>
<module>
  <name>ietf-keystore</name>
  <data-lock>
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<data-lock>
  <cid>1</cid>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
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</data-lock>
<subscriptions>
  <change-sub>
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    <xpath xmlns:ks="urn:ietf:params:xml:ns:yang:ietf-keystore">/ks:keystore/ks:asymmetric-keys</xpath>
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    <cid>1</cid>
  </change-sub>
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  <notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>ietf-truststore</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:ts="urn:ietf:params:xml:ns:yang:ietf-truststore">/ts:truststore/ts:certificates</xpath>
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    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>ietf-tcp-common</name>
</module>
<module>
  <name>ietf-ssh-server</name>
</module>
<module>
  <name>ietf-tls-server</name>
</module>
```

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<module>
  <name>ietf-netconf-server</name>
  <data-lock>
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    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:idle-timeout</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
    <change-sub>
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      <xpath xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:ssh</xpath>
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      <cid>1</cid>
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      <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:ssh/ncs:tcp-server-parameters</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:ssh/ncs:ssh-server-parameters/ncs:ser
ver-identity/ncs:host-key/ncs:public-key/ncs:keystore-reference</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
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      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:ssh/ncs:ssh-server-parameters/ncs:cli
ent-authentication/ncs:supported-authentication-methods</xpath>
      <priority>0</priority>
      <cid>1</cid>
    </change-sub>
  </subscriptions>

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<change-sub>
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<xpath xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:tls</xpath>
<priority>0</priority>
<cid>1</cid>
</change-sub>
<change-sub>
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<xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:tls/ncs:tcp-server-parameters</xpath>
</change-sub>
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<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:listen/ncs:endpoint/ncs:tls/ncs:tls-server-parameters/ncs:server-identity/ncs:keystore-reference</xpath>
<priority>0</priority>
<cid>1</cid>
</change-sub>
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  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
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  <cid>1</cid>
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  <cid>1</cid>
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  <priority>0</priority>
  <cid>1</cid>
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  <cid>1</cid>
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  <xpath
xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
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  <cid>1</cid>
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tls</xpath>
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xmlns:ncs="urn:ietf:params:xml:ns:yang:ietf-netconf-server">/ncs:netconf-server/ncs:call-home/ncs:netconf-client/ncs:endpoints/ncs:endpoint/ncs:
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tls/ncs:tls-server-parameters/ncs:client-authentication/ncs:cert-maps</xpath>
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    <cid>1</cid>
  </change-sub>
<operational-sub>
  <xpath
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ent-authentication/ncs:users</xpath>
    <cid>1</cid>
  </operational-sub>
  <notification-sub>1</notification-sub>
  <notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>vvdn_mcel-wdm</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
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</module>
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</data-lock>
</module>
<module>
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</module>
<module>
<name>iana-hardware</name>
</module>
<module>
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<mode>read</mode>
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<subscriptions>
<change-sub>
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</change-sub>
<operational-sub>
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</operational-sub>
<notification-sub>1</notification-sub>
<notification-sub>1</notification-sub>
</subscriptions>
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<cid>11</cid>
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<priority>0</priority>
<cid>3</cid>
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  <cid>3</cid>
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<operational-sub>
  <xpath xmlns:if="urn:ietf:params:xml:ns:yang:ietf-interfaces">/if:interfaces-state</xpath>
  <cid>3</cid>
</operational-sub>
</subscriptions>
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<module>
  <name>iana-if-type</name>
</module>
<module>
  <name>ietf-dhcpv6-types</name>
</module>
<module>
  <name>ietf-ip</name>
</module>
<module>
  <name>o-ran-dhcp</name>
  <data-lock>
    <cid>1</cid>
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    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <operational-sub>
      <xpath xmlns:o-ran-dhcp="urn:o-ran:dhcp:1.0">/o-ran-dhcp:dhcp/o-ran-dhcp:interfaces</xpath>
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    </operational-sub>
  </subscriptions>
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<module>
  <name>o-ran-interfaces</name>
</module>
<module>
  <name>o-ran-mplane-int</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
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<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath
xmlns:o-ran-mplane-int="urn:o-ran:mplane-interfaces:1.0"/>o-ran-mplane-int:mplane-info/o-ran-mplane-int:searchable-mplane-access-vlans-info<
/xpath>
<priority>0</priority>
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</operational-sub>
</subscriptions>
</module>
<module>
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<mode>read</mode>
</data-lock>
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<mode>read</mode>
</data-lock>
<subscriptions>
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<xpath xmlns:o-ran-transceiver="urn:o-ran:transceiver:1.0"/>o-ran-transceiver:port-transceivers</xpath>
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</module>
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    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
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  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath
xmlns:o-ran-elements="urn:o-ran:processing-element:1.0">/o-ran-elements:processing-elements/o-ran-elements:transport-session-type</xpath>
      <priority>0</priority>
      <cid>8</cid>
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    <change-sub>
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    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <xpath
xmlns:o-ran-elements="urn:o-ran:processing-element:1.0">/o-ran-elements:processing-elements/o-ran-elements:enhanced-uplane-mapping</xpath>
    >
      <priority>0</priority>
      <cid>8</cid>
    </change-sub>
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</subscriptions>
</module>
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    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
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    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <operational-sub>
      <xpath xmlns:o-ran-ald-port="urn:o-ran-ald-port:1.0">/o-ran-ald-port:ald-ports-io</xpath>
      <cid>12</cid>
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    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
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    <mode>read</mode>
  </data-lock>
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    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
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    <notification-sub>1</notification-sub>
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<module>
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<mode>read</mode>
</data-lock>
<subscriptions>
<operational-sub>
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<notification-sub>1</notification-sub>
</subscriptions>
</module>
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</data-lock>
<subscriptions>
<change-sub>
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<xpath xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users</xpath>
<priority>0</priority>
<cid>5</cid>
</change-sub>
</subscriptions>
</module>
<module>
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<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
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<data-lock>
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<cid>7</cid>
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</subscriptions>
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</module>
<module>
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</subscriptions>
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<data-lock>
  <cid>1</cid>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
  <mode>read</mode>
</data-lock>
<subscriptions>
  <change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath xmlns:o-ran-delay="urn:o-ran:delay:1.0">/o-ran-delay:delay-management</xpath>
    <priority>0</priority>
  <cid>14</cid>
</change-sub>
  <change-sub>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <xpath xmlns:o-ran-delay="urn:o-ran:delay:1.0">/o-ran-delay:delay-management/o-ran-delay:adaptive-delay-configuration</xpath>
    <priority>0</priority>
  <cid>14</cid>
</change-sub>
  <operational-sub>
    <xpath xmlns:o-ran-delay="urn:o-ran:delay:1.0">/o-ran-delay:delay-management</xpath>
  <cid>14</cid>
</operational-sub>
</subscriptions>
</module>
<module>
  <name>o-ran-operations</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <change-sub>
      <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
      <priority>0</priority>
    <cid>8</cid>
    </change-sub>
    <operational-sub>
      <xpath xmlns:o-ran-ops="urn:o-ran:operations:1.0">/o-ran-ops:operational-info</xpath>
    <cid>8</cid>
    </operational-sub>
  </subscriptions>
</module>
```



```
<module>
<name>o-ran-uplane-conf</name>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>11</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>11</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<subscriptions>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:low-level-tx-links</xpath>
<priority>0</priority>
<cid>8</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:low-level-rx-links</xpath>
<priority>0</priority>
<cid>8</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:low-level-tx-endpoints</xpa
th>
<priority>0</priority>
<cid>8</cid>
</change-sub>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:low-level-rx-endpoints</xpa
```

```
th>
  <priority>0</priority>
  <cid>8</cid>
</change-sub>
<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-array-carriers</xpath>
  <priority>0</priority>
  <cid>8</cid>
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<change-sub>
  <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
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xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-array-carriers</xpath>
  <priority>0</priority>
  <cid>8</cid>
</change-sub>
<operational-sub>
  <xpath xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-arrays</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-arrays</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:relations</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:endpoint-types</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-array-carriers</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-array-carriers</xpath>
  <cid>8</cid>
</operational-sub>
<operational-sub>
  <xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0"/>o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:static-low-level-tx-endpoints
  </xpath>
```

```

    <cid>8</cid>
  </operational-sub>
</operational-sub>
<xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0">/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:static-low-level-rx-endpoint
s</xpath>
    <cid>8</cid>
  </operational-sub>
</operational-sub>
<xpath
xmlns:o-ran-uplane-conf="urn:o-ran:uplane-conf:1.0">/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:endpoint-capacity-sharing-g
roups</xpath>
    <cid>8</cid>
  </operational-sub>
<notification-sub>1</notification-sub>
<notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
  <name>o-ran-file-management</name>
  <subscriptions>
    <notification-sub>1</notification-sub>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>o-ran-software-management</name>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
    <mode>read</mode>
  </data-lock>
  <data-lock>
    <cid>1</cid>
    <datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
    <mode>read</mode>
  </data-lock>
  <subscriptions>
    <operational-sub>
      <xpath xmlns:o-ran-swm="urn:o-ran:software-management:1.0">/o-ran-swm:software-inventory</xpath>
      <cid>6</cid>
    </operational-sub>
    <notification-sub>1</notification-sub>
    <notification-sub>1</notification-sub>
  </subscriptions>
</module>
<module>
  <name>o-ran-performance-management</name>
  <data-lock>

```

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<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>11</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>11</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<data-lock>
<cid>1</cid>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</datastore>
<mode>read</mode>
</data-lock>
<oper-sub-lock>
<cid>11</cid>
<mode>read</mode>
</oper-sub-lock>
<subscriptions>
<change-sub>
<datastore xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</datastore>
<xpath xmlns:o-ran-pm="urn:o-ran:performance-management:1.0"/>o-ran-pm:performance-measurement-objects</xpath>
<priority>0</priority>
<cid>11</cid>
</change-sub>
<operational-sub>
<xpath xmlns:o-ran-pm="urn:o-ran:performance-management:1.0"/>o-ran-pm:performance-measurement-objects</xpath>
<cid>11</cid>
</operational-sub>
<notification-sub>1</notification-sub>
<notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
<name>o-ran-ald</name>
</module>
<module>
<name>o-ran-trace</name>
<subscriptions>
<notification-sub>1</notification-sub>
<notification-sub>1</notification-sub>
</subscriptions>
</module>
<module>
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<name>o-ran-troubleshooting</name>
<subscriptions>
  <notification-sub>1</notification-sub>
  <notification-sub>1</notification-sub>
</subscriptions>
</module>

<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:get-config</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:get-config</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:edit-config</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:edit-config</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:copy-config</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:copy-config</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:delete-config</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:delete-config</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:lock</path>
  <rpc-sub>
    <xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:lock</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">/nc:unlock</path>
  <rpc-sub>
```

```
<xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:unlock</xpath>
<priority>0</priority>
<cid>1</cid>
</rpc-sub>
</rpc>
<rpc>
<path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:get</path>
<sub-lock>
<cid>1</cid>
<mode>read</mode>
</sub-lock>
<rpc-sub>
<xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:get</xpath>
<priority>0</priority>
<cid>1</cid>
</rpc-sub>
</rpc>
<rpc>
<path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:kill-session</path>
<rpc-sub>
<xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:kill-session</xpath>
<priority>0</priority>
<cid>1</cid>
</rpc-sub>
</rpc>
<rpc>
<path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:commit</path>
<rpc-sub>
<xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:commit</xpath>
<priority>0</priority>
<cid>1</cid>
</rpc-sub>
</rpc>
<rpc>
<path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:discard-changes</path>
<rpc-sub>
<xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:discard-changes</xpath>
<priority>0</priority>
<cid>1</cid>
</rpc-sub>
</rpc>
<rpc>
<path xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:validate</path>
<rpc-sub>
<xpath xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0"/>nc:validate</xpath>
<priority>0</priority>
<cid>1</cid>
</rpc-sub>
</rpc>
```

```
<rpc>
  <path xmlns:ncds="urn:ietf:params:xml:ns:yang:ietf-netconf-nmda"/>ncds:get-data</path>
  <rpc-sub>
    <xpath xmlns:ncds="urn:ietf:params:xml:ns:yang:ietf-netconf-nmda"/>ncds:get-data</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:ncds="urn:ietf:params:xml:ns:yang:ietf-netconf-nmda"/>ncds:edit-data</path>
  <rpc-sub>
    <xpath xmlns:ncds="urn:ietf:params:xml:ns:yang:ietf-netconf-nmda"/>ncds:edit-data</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:ncEvent="urn:ietf:params:xml:ns:netconf:notification:1.0"/>ncEvent:create-subscription</path>
  <rpc-sub>
    <xpath xmlns:ncEvent="urn:ietf:params:xml:ns:netconf:notification:1.0"/>ncEvent:create-subscription</xpath>
    <priority>0</priority>
    <cid>1</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:o-ran-supervision="urn:o-ran:supervision:1.0"/>o-ran-supervision:supervision-watchdog-reset</path>
  <rpc-sub>
    <xpath xmlns:o-ran-supervision="urn:o-ran:supervision:1.0"/>o-ran-supervision:supervision-watchdog-reset</xpath>
    <priority>0</priority>
    <cid>10</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0"/>o-ran-usermgmt:chg-password</path>
  <rpc-sub>
    <xpath xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0"/>o-ran-usermgmt:chg-password</xpath>
    <priority>0</priority>
    <cid>5</cid>
  </rpc-sub>
</rpc>

<rpc>
  <path xmlns:o-ran-ops="urn:o-ran:operations:1.0"/>o-ran-ops:reset</path>
  <rpc-sub>
    <xpath xmlns:o-ran-ops="urn:o-ran:operations:1.0"/>o-ran-ops:reset</xpath>
    <priority>0</priority>
    <cid>8</cid>
  </rpc-sub>
</rpc>
```

```
<path xmlns:o-ran-file-mgmt="urn:o-ran:file-management:1.0"/>o-ran-file-mgmt:file-upload</path>
<rpc-sub>
  <xpath xmlns:o-ran-file-mgmt="urn:o-ran:file-management:1.0"/>o-ran-file-mgmt:file-upload</xpath>
  <priority>0</priority>
  <cid>9</cid>
</rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-file-mgmt="urn:o-ran:file-management:1.0"/>o-ran-file-mgmt:retrieve-file-list</path>
  <rpc-sub>
    <xpath xmlns:o-ran-file-mgmt="urn:o-ran:file-management:1.0"/>o-ran-file-mgmt:retrieve-file-list</xpath>
    <priority>0</priority>
    <cid>9</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-file-mgmt="urn:o-ran:file-management:1.0"/>o-ran-file-mgmt:file-download</path>
  <rpc-sub>
    <xpath xmlns:o-ran-file-mgmt="urn:o-ran:file-management:1.0"/>o-ran-file-mgmt:file-download</xpath>
    <priority>0</priority>
    <cid>9</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-swm="urn:o-ran:software-management:1.0"/>o-ran-swm:software-download</path>
  <rpc-sub>
    <xpath xmlns:o-ran-swm="urn:o-ran:software-management:1.0"/>o-ran-swm:software-download</xpath>
    <priority>0</priority>
    <cid>6</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-swm="urn:o-ran:software-management:1.0"/>o-ran-swm:software-install</path>
  <rpc-sub>
    <xpath xmlns:o-ran-swm="urn:o-ran:software-management:1.0"/>o-ran-swm:software-install</xpath>
    <priority>0</priority>
    <cid>6</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-swm="urn:o-ran:software-management:1.0"/>o-ran-swm:software-activate</path>
  <rpc-sub>
    <xpath xmlns:o-ran-swm="urn:o-ran:software-management:1.0"/>o-ran-swm:software-activate</xpath>
    <priority>0</priority>
    <cid>6</cid>
  </rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-ald="urn:o-ran:ald:1.0"/>o-ran-ald:ald-communication</path>
```



```
<rpc-sub>
  <xpath xmlns:o-ran-ald="urn:o-ran:ald:1.0"/>o-ran-ald:ald-communication</xpath>
</priority>0</priority>
<cid>12</cid>
</rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-trace="urn:o-ran:trace:1.0"/>o-ran-trace:start-trace-logs</path>
<rpc-sub>
  <xpath xmlns:o-ran-trace="urn:o-ran:trace:1.0"/>o-ran-trace:start-trace-logs</xpath>
</priority>0</priority>
<cid>13</cid>
</rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-trace="urn:o-ran:trace:1.0"/>o-ran-trace:stop-trace-logs</path>
<rpc-sub>
  <xpath xmlns:o-ran-trace="urn:o-ran:trace:1.0"/>o-ran-trace:stop-trace-logs</xpath>
</priority>0</priority>
<cid>13</cid>
</rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-trblsht="urn:o-ran:troubleshooting:1.0"/>o-ran-trblsht:start-troubleshooting-logs</path>
<rpc-sub>
  <xpath xmlns:o-ran-trblsht="urn:o-ran:troubleshooting:1.0"/>o-ran-trblsht:start-troubleshooting-logs</xpath>
</priority>0</priority>
<cid>13</cid>
</rpc-sub>
</rpc>
<rpc>
  <path xmlns:o-ran-trblsht="urn:o-ran:troubleshooting:1.0"/>o-ran-trblsht:stop-troubleshooting-logs</path>
<rpc-sub>
  <xpath xmlns:o-ran-trblsht="urn:o-ran:troubleshooting:1.0"/>o-ran-trblsht:stop-troubleshooting-logs</xpath>
</priority>0</priority>
<cid>13</cid>
</rpc-sub>
</rpc>
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</connection>
<connection>
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  <pid>1310</pid>
</connection>
<connection>
  <cid>16</cid>
  <pid>1465</pid>
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  <pid>1063</pid>
</connection>
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  <cid>1</cid>
  <pid>980</pid>
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  <cid>2</cid>
  <pid>995</pid>
</connection>
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  <cid>8</cid>
  <pid>1321</pid>
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</connection>
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  <pid>1012</pid>
</connection>
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  <cid>13</cid>
  <pid>1408</pid>
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<connection>
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  <pid>1364</pid>
</connection>
<connection>
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  <pid>1052</pid>
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  <pid>1352</pid>
</connection>
<connection>
  <cid>4</cid>
  <pid>1042</pid>
</connection>
<connection>
  <cid>12</cid>
  <pid>1398</pid>
</connection>
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<connection>
  <cid>15</cid>
  <pid>1435</pid>
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  <location>NETCONF</location>
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  <location>NETCONF</location>
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  <format>yin</format>
  <namespace>urn:o-ran:hardware:1.0</namespace>
  <location>NETCONF</location>
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  <version>2019-02-04</version>
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  <version>2019-02-04</version>
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  <location>NETCONF</location>
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  <location>NETCONF</location>
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  <location>NETCONF</location>
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</schema>
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  <version>2019-07-03</version>
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  <location>NETCONF</location>
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  <namespace>urn:o-ran:performance-management:1.0</namespace>
  <location>NETCONF</location>
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  <version>2019-07-03</version>
  <format>yang</format>
  <namespace>urn:o-ran:ald:1.0</namespace>
  <location>NETCONF</location>
```

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</schema>
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  <namespace>urn:o-ran:trace:1.0</namespace>
  <location>NETCONF</location>
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</schema>
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</schema>
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    <transport>netconf-ssh</transport>
    <username>root</username>
    <source-host>::ffff:192.168.49.88</source-host>
    <login-time>2103-10-30T01:23:32Z</login-time>
    <in-rpcs>57</in-rpcs>
    <in-bad-rpcs>0</in-bad-rpcs>
    <out-rpc-errors>0</out-rpc-errors>
    <out-notifications>452</out-notifications>
  </session>
</sessions>
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<username>root</username>
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<out-notifications>0</out-notifications>
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<out-rpc-errors>0</out-rpc-errors>
<out-notifications>0</out-notifications>
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<in-sessions>56</in-sessions>
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<in-bad-rpcs>0</in-bad-rpcs>
<out-rpc-errors>0</out-rpc-errors>
<out-notifications>1181</out-notifications>
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</netconf-state>
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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>
<name>yang</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>false</replaySupport>
</stream>
<stream>
<name>ietf-datastores</name>
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<name>sysrepo-monitoring</name>
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<name>sysrepo-plugind</name>
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<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
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<stream>
<name>ietf-netconf-notifications</name>
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<replaySupport>>false</replaySupport>
</stream>
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</stream>
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<name>vvdn_mcel-wdm</name>
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  <description>Stream with all notifications of a module.</description>
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  <name>o-ran-ald</name>
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<stream>
<name>o-ran-trace</name>
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<oper-status>up</oper-status>
<phys-address>00:00:00:00:00:00</phys-address>
<statistics>
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<in-discards>0</in-discards>
<in-errors>0</in-errors>
<out-octets>16016</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>
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<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>
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<interface>
<name>eth1</name>
<oper-status>up</oper-status>
<phys-address>98:ae:71:00:8a:c2</phys-address>
<statistics>
<in-octets>4643223</in-octets>
<in-discards>0</in-discards>
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<in-errors>0</in-errors>
<out-octets>15140593</out-octets>
<out-errors>0</out-errors>
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<phys-address>98:ae:71:00:8a:c2</phys-address>
<statistics>
<in-octets>4067025</in-octets>
<in-discards>0</in-discards>
<in-errors>0</in-errors>
<out-octets>14922641</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>
<active-alarm-list xmlns="urn:o-ran:fm:1.0">
```

```
<active-alarms>
<fault-id>18</fault-id>
<fault-source>Module or antenna line</fault-source>
<affected-objects>
  <name>Sync Module</name>
</affected-objects>
<fault-severity>CRITICAL</fault-severity>
<is-cleared>>false</is-cleared>
<fault-text>Synchronization Error</fault-text>
<event-time>2103-10-30T00:52:05Z</event-time>
</active-alarms>
</active-alarm-list>
<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-mmcb1k0p1/image0001.ub</local-path>
      <integrity>OK</integrity>
    </files>
    <files>
      <name>rootfs</name>
      <version>1.0.0</version>
      <local-path>/media/sd-mmcb1k0p2/</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-mmcb1k0p1/BOOT0002.BIN</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/image0002.ub</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>rootfs</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p3/</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 #####**

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**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**

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\*\*\*\*\* **Actual Result** \*\*\*\*\*

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<b>Retrieval without Filter Applied</b>	<b>=</b>	<b>SUCCESS</b>
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