



**@ FILE NAME: M\_CTC\_ID\_010.txt**

**@ TEST SCOPE: M PLANE O-RAN CONFORMANCE**

**@ Software Release for Garuda: v5.0.4**

**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 operator
```

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

```
The authenticity of the host '192.168.22.37' 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      : 12
```

```
Host    : 192.168.22.37
```

```
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=61
```

```
urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10
```

```
urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14
```

```
urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,valid
```

```
ate,startup,url,xpath urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01
```

```
urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06
```

```
urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04
```

```
urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14
```

```
urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14
```

```
urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10
```

```
urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06 urn:notification_history?module=notification_history
```

```
urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19
```

```
> subscribe
```

```
Ok
```

=====

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

=====

=====

**> get**

=====

=====

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

=====

```
<?xml version="1.0" ?>
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">
  <hardware xmlns="urn:ietf:params:xml:ns:yang:ietf-hardware">
    <component>
      <name>ru-module</name>
      <class xmlns:o-ran-hw="urn:o-ran:hardware:1.0">o-ran-hw:O-RAN-RADIO</class>
      <state>
        <oper-state>enabled</oper-state>
        <usage-state>busy</usage-state>
        <availability-state xmlns="urn:o-ran:hardware:1.0">FAULTY</availability-state>
      </state>
      <o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-module</o-ran-name>
      <description>STLI-RU</description>
      <hardware-rev>B1-20220902</hardware-rev>
      <software-rev>06-v5.0.4</software-rev>
      <serial-num>2203248300002</serial-num>
      <mfg-name>STL-STLI-GARUDA</mfg-name>
      <model-name>RU_INDOOR_GARUDA</model-name>
      <uuid>f81d4fae-7dec-11d0-a765-00a0c91e6bf6</uuid>
      <label-content xmlns="urn:o-ran:hardware:1.0">
        <model-name>true</model-name>
        <serial-number>true</serial-number>
      </label-content>
      <product-code xmlns="urn:o-ran:hardware:1.0">O-RAN RU PROD v1.0.4</product-code>
      <contains-child>ru-port0</contains-child>
      <contains-child>ru-port1</contains-child>
    </component>
    <component>
      <name>ru-port0</name>
      <class xmlns:ianahw="urn:ietf:params:xml:ns:yang:iana-hardware">ianahw:port</class>
      <parent>ru-module</parent>
      <parent-rel-pos>0</parent-rel-pos>
      <state>
        <oper-state>enabled</oper-state>
        <usage-state>busy</usage-state>
        <availability-state xmlns="urn:o-ran:hardware:1.0">FAULTY</availability-state>
```

```
</state>
<o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-port0</o-ran-name>
<description>STLI_RU_PORT</description>
<hardware-rev>B1-20220902</hardware-rev>
<is-fru>false</is-fru>
<mfg-date>2020-05-27T09:00:00-05:30</mfg-date>
</component>
<component>
<name>ru-port1</name>
<class xmlns:ianahw="urn:ietf:params:xml:ns:yang:iana-hardware">ianahw:port</class>
<parent>ru-module</parent>
<parent-rel-pos>1</parent-rel-pos>
<state>
<oper-state>enabled</oper-state>
<usage-state>busy</usage-state>
<availability-state xmlns="urn:o-ran:hardware:1.0">FAULTY</availability-state>
</state>
<o-ran-name xmlns="urn:o-ran:hardware:1.0">ru-port1</o-ran-name>
<description>STLI_RU_PORT</description>
<hardware-rev>B1-20220902</hardware-rev>
<is-fru>false</is-fru>
<mfg-date>2020-05-27T09:00:00-05:30</mfg-date>
</component>
<last-change>2027-04-14T04:16:38Z</last-change>
</hardware>
<mplane-info xmlns="urn:o-ran:mplane-interfaces:1.0">
<m-plane-interfaces>
<m-plane-sub-interfaces>
<interface-name>eth0.6</interface-name>
<sub-interface>6</sub-interface>
<client-info>
<mplane-ipv4-info>
<mplane-ipv4>192.168.22.208</mplane-ipv4>
<port>4334</port>
</mplane-ipv4-info>
</client-info>
</m-plane-sub-interfaces>
</m-plane-interfaces>
</mplane-info>
<sync xmlns="urn:o-ran:sync:1.0">
<ptp-config>
<domain-number>24</domain-number>
<accepted-clock-classes>
<clock-classes>255</clock-classes>
</accepted-clock-classes>
<accepted-clock-classes>
<clock-classes>248</clock-classes>
</accepted-clock-classes>
<accepted-clock-classes>
```

```
<clock-classes>165</clock-classes>
</accepted-clock-classes>
<accepted-clock-classes>
  <clock-classes>160</clock-classes>
</accepted-clock-classes>
<accepted-clock-classes>
  <clock-classes>150</clock-classes>
</accepted-clock-classes>
<accepted-clock-classes>
  <clock-classes>140</clock-classes>
</accepted-clock-classes>
<accepted-clock-classes>
  <clock-classes>135</clock-classes>
</accepted-clock-classes>
<accepted-clock-classes>
  <clock-classes>7</clock-classes>
</accepted-clock-classes>
<accepted-clock-classes>
  <clock-classes>6</clock-classes>
</accepted-clock-classes>
<ptp-profile>G_8275_1</ptp-profile>
<g-8275-1-config>
  <multicast-mac-address>FORWARDABLE</multicast-mac-address>
  <delay-asymmetry>0</delay-asymmetry>
</g-8275-1-config>
</ptp-config>
<ptp-status>
  <reporting-period>10</reporting-period>
  <lock-state>UNLOCKED</lock-state>
  <clock-class>255</clock-class>
  <clock-identity>0x98AE71FFFE0164D8</clock-identity>
  <partial-timing-supported>false</partial-timing-supported>
  <sources>
    <local-port-number>0</local-port-number>
    <state>DISABLED</state>
    <two-step-flag>true</two-step-flag>
    <leap61>false</leap61>
    <leap59>false</leap59>
    <current-utc-offset-valid>false</current-utc-offset-valid>
    <ptp-timescale>true</ptp-timescale>
    <time-traceable>false</time-traceable>
    <frequency-traceable>false</frequency-traceable>
    <source-clock-identity>0x98AE71FFFE0164D8</source-clock-identity>
    <source-port-number>0</source-port-number>
    <current-utc-offset>37</current-utc-offset>
    <priority1>128</priority1>
    <clock-class>255</clock-class>
    <clock-accuracy>254</clock-accuracy>
    <offset-scaled-log-variance>65535</offset-scaled-log-variance>
```

```
<priority2>255</priority2>
<grandmaster-clock-identity>0x98AE71FFFE0164D8</grandmaster-clock-identity>
<steps-removed>0</steps-removed>
<time-source>160</time-source>
</sources>
</ptp-status>
<synce-config>
  <acceptance-list-of-ssm>PRC</acceptance-list-of-ssm>
  <acceptance-list-of-ssm>EEC1</acceptance-list-of-ssm>
  <acceptance-list-of-ssm>DNU</acceptance-list-of-ssm>
  <acceptance-list-of-ssm>NONE</acceptance-list-of-ssm>
  <ssm-timeout>5</ssm-timeout>
</synce-config>
<synce-status>
  <reporting-period>10</reporting-period>
  <lock-state>UNLOCKED</lock-state>
  <sources>
    <local-port-number>0</local-port-number>
    <state>DISABLED</state>
    <quality-level>0</quality-level>
  </sources>
</synce-status>
<sync-status>
  <sync-state>FREERUN</sync-state>
  <supported-reference-types>
    <item>PTP</item>
  </supported-reference-types>
  <supported-reference-types>
    <item>SYNCE</item>
  </supported-reference-types>
</sync-status>
<sync-capability>
  <sync-t-tsc>ENCHANCED</sync-t-tsc>
</sync-capability>
</sync>
<module-capability xmlns="urn:o-ran:module-cap:1.0">
  <ru-capabilities>
    <ru-supported-category>CAT_A</ru-supported-category>
    <number-of-ru-ports>4</number-of-ru-ports>
    <number-of-spatial-streams>4</number-of-spatial-streams>
    <max-power-per-pa-antenna>25.0</max-power-per-pa-antenna>
    <min-power-per-pa-antenna>23.0</min-power-per-pa-antenna>
    <fronthaul-split-option>7</fronthaul-split-option>
    <format-of-iq-sample>
      <dynamic-compression-supported>false</dynamic-compression-supported>
      <realtime-variable-bit-width-supported>false</realtime-variable-bit-width-supported>
      <compression-method-supported>
        <iq-bitwidth>9</iq-bitwidth>
        <compression-type>STATIC</compression-type>
      </compression-method-supported>
    </format-of-iq-sample>
  </ru-capabilities>
</module-capability>
```

```
<bitwidth>9</bitwidth>
<exponent>4</exponent>
</compression-method-supported>
<compression-method-supported>
<iq-bitwidth>12</iq-bitwidth>
<compression-type>STATIC</compression-type>
<bitwidth>12</bitwidth>
<exponent>4</exponent>
</compression-method-supported>
<compression-method-supported>
<iq-bitwidth>16</iq-bitwidth>
</compression-method-supported>
<variable-bit-width-per-channel-supported>false</variable-bit-width-per-channel-supported>
<syminc-supported>false</syminc-supported>
</format-of-iq-sample>
<energy-saving-by-transmission-blanks>false</energy-saving-by-transmission-blanks>
<dynamic-transport-delay-management-supported>false</dynamic-transport-delay-management-supported>
</ru-capabilities>
<band-capabilities>
<band-number>43</band-number>
<max-supported-frequency-dl>3800000000</max-supported-frequency-dl>
<min-supported-frequency-dl>3600000000</min-supported-frequency-dl>
<max-supported-bandwidth-dl>100000000</max-supported-bandwidth-dl>
<max-num-carriers-dl>1</max-num-carriers-dl>
<max-carrier-bandwidth-dl>100000000</max-carrier-bandwidth-dl>
<min-carrier-bandwidth-dl>50000000</min-carrier-bandwidth-dl>
<max-supported-frequency-ul>3800000000</max-supported-frequency-ul>
<min-supported-frequency-ul>3600000000</min-supported-frequency-ul>
<max-supported-bandwidth-ul>100000000</max-supported-bandwidth-ul>
<max-num-carriers-ul>1</max-num-carriers-ul>
<max-carrier-bandwidth-ul>100000000</max-carrier-bandwidth-ul>
<min-carrier-bandwidth-ul>20000000</min-carrier-bandwidth-ul>
<max-num-component-carriers>1</max-num-component-carriers>
<max-num-bands>1</max-num-bands>
<max-num-sectors>1</max-num-sectors>
<max-power-per-antenna>25.0</max-power-per-antenna>
<min-power-per-antenna>23.0</min-power-per-antenna>
</band-capabilities>
</module-capability>
<operational-info xmlns="urn:o-ran:operations:1.0">
<clock>
<timezone-utc-offset>0</timezone-utc-offset>
<timezone-name>GMT</timezone-name>
</clock>
<declarations>
<ru-instance-id>GARUDA_RU_MODEL_2020_STLI_RU_01</ru-instance-id>
<supported-mplane-version>2.0.0</supported-mplane-version>
<supported-cusplane-version>2.0.0</supported-cusplane-version>
<supported-header-mechanism>
```

```
<protocol>ECPRI</protocol>
<protocol-version>1.0</protocol-version>
</supported-header-mechanism>
</declarations>
<operational-state>
  <restart-cause>POWER-ON</restart-cause>
  <restart-datetime>2027-04-14T05:25:40Z</restart-datetime>
</operational-state>
</operational-info>
<user-plane-configuration xmlns="urn:o-ran:uplane-conf:1.0">
  <low-level-tx-links>
    <name>lltxlink0</name>
    <processing-element>element0</processing-element>
    <tx-array-carrier>txarraycarrier0</tx-array-carrier>
    <low-level-tx-endpoint>slltx-endpoint0</low-level-tx-endpoint>
  </low-level-tx-links>
  <low-level-tx-links>
    <name>lltxlink1</name>
    <processing-element>element0</processing-element>
    <tx-array-carrier>txarraycarrier0</tx-array-carrier>
    <low-level-tx-endpoint>slltx-endpoint1</low-level-tx-endpoint>
  </low-level-tx-links>
  <low-level-tx-links>
    <name>lltxlink2</name>
    <processing-element>element0</processing-element>
    <tx-array-carrier>txarraycarrier0</tx-array-carrier>
    <low-level-tx-endpoint>slltx-endpoint2</low-level-tx-endpoint>
  </low-level-tx-links>
  <low-level-tx-links>
    <name>lltxlink3</name>
    <processing-element>element0</processing-element>
    <tx-array-carrier>txarraycarrier0</tx-array-carrier>
    <low-level-tx-endpoint>slltx-endpoint3</low-level-tx-endpoint>
  </low-level-tx-links>
  <low-level-rx-links>
    <name>llrxlink0</name>
    <processing-element>element0</processing-element>
    <rx-array-carrier>rxarraycarrier0</rx-array-carrier>
    <low-level-rx-endpoint>sllrx-endpoint0</low-level-rx-endpoint>
  </low-level-rx-links>
  <low-level-rx-links>
    <name>llrxlink1</name>
    <processing-element>element0</processing-element>
    <rx-array-carrier>rxarraycarrier0</rx-array-carrier>
    <low-level-rx-endpoint>sllrx-endpoint1</low-level-rx-endpoint>
  </low-level-rx-links>
  <low-level-rx-links>
    <name>llrxlink2</name>
    <processing-element>element0</processing-element>
```



```
<rx-array-carrier>rxarraycarrier0</rx-array-carrier>
<low-level-rx-endpoint>sllrx-endpoint2</low-level-rx-endpoint>
</low-level-rx-links>
<low-level-rx-links>
  <name>llrxlink3</name>
  <processing-element>element0</processing-element>
  <rx-array-carrier>rxarraycarrier0</rx-array-carrier>
  <low-level-rx-endpoint>sllrx-endpoint3</low-level-rx-endpoint>
</low-level-rx-links>
<low-level-tx-endpoints>
  <name>slltx-endpoint0</name>
  <compression>
    <compression-type>STATIC</compression-type>
    <iq-bitwidth>16</iq-bitwidth>
  </compression>
  <cp-length>352</cp-length>
  <cp-length-other>288</cp-length-other>
  <offset-to-absolute-frequency-center>0</offset-to-absolute-frequency-center>
  <number-of-prb-per-scs>
    <scs>KHZ_30</scs>
  <number-of-prb>273</number-of-prb>
</number-of-prb-per-scs>
  <e-axcid>
    <o-du-port-bitmask>65024</o-du-port-bitmask>
    <band-sector-bitmask>448</band-sector-bitmask>
    <ccid-bitmask>56</ccid-bitmask>
    <ru-port-bitmask>7</ru-port-bitmask>
    <eaxc-id>1</eaxc-id>
  </e-axcid>
</low-level-tx-endpoints>
<low-level-tx-endpoints>
  <name>slltx-endpoint1</name>
  <compression>
    <compression-type>STATIC</compression-type>
    <iq-bitwidth>16</iq-bitwidth>
  </compression>
  <cp-length>352</cp-length>
  <cp-length-other>288</cp-length-other>
  <offset-to-absolute-frequency-center>0</offset-to-absolute-frequency-center>
  <number-of-prb-per-scs>
    <scs>KHZ_30</scs>
  <number-of-prb>273</number-of-prb>
</number-of-prb-per-scs>
  <e-axcid>
    <o-du-port-bitmask>65024</o-du-port-bitmask>
    <band-sector-bitmask>448</band-sector-bitmask>
    <ccid-bitmask>56</ccid-bitmask>
    <ru-port-bitmask>7</ru-port-bitmask>
    <eaxc-id>2</eaxc-id>
```

```
</e-axcid>
</low-level-tx-endpoints>
<low-level-tx-endpoints>
  <name>slltx-endpoint2</name>
  <compression>
    <compression-type>STATIC</compression-type>
    <iq-bitwidth>16</iq-bitwidth>
  </compression>
  <cp-length>352</cp-length>
  <cp-length-other>288</cp-length-other>
  <offset-to-absolute-frequency-center>0</offset-to-absolute-frequency-center>
  <number-of-prb-per-scs>
    <scs>KHZ_30</scs>
    <number-of-prb>273</number-of-prb>
  </number-of-prb-per-scs>
</e-axcid>
<o-du-port-bitmask>65024</o-du-port-bitmask>
<band-sector-bitmask>448</band-sector-bitmask>
<ccid-bitmask>56</ccid-bitmask>
<ru-port-bitmask>7</ru-port-bitmask>
<eaxc-id>3</eaxc-id>
</e-axcid>
</low-level-tx-endpoints>
<low-level-tx-endpoints>
  <name>slltx-endpoint3</name>
  <compression>
    <compression-type>STATIC</compression-type>
    <iq-bitwidth>16</iq-bitwidth>
  </compression>
  <cp-length>352</cp-length>
  <cp-length-other>288</cp-length-other>
  <offset-to-absolute-frequency-center>0</offset-to-absolute-frequency-center>
  <number-of-prb-per-scs>
    <scs>KHZ_30</scs>
    <number-of-prb>273</number-of-prb>
  </number-of-prb-per-scs>
</e-axcid>
<o-du-port-bitmask>65024</o-du-port-bitmask>
<band-sector-bitmask>448</band-sector-bitmask>
<ccid-bitmask>56</ccid-bitmask>
<ru-port-bitmask>7</ru-port-bitmask>
<eaxc-id>4</eaxc-id>
</e-axcid>
</low-level-tx-endpoints>
<low-level-rx-endpoints>
  <name>sllrx-endpoint0</name>
  <compression>
    <compression-type>STATIC</compression-type>
    <iq-bitwidth>16</iq-bitwidth>
```

```
</compression>
<cp-length>352</cp-length>
<cp-length-other>288</cp-length-other>
<offset-to-absolute-frequency-center>0</offset-to-absolute-frequency-center>
<number-of-prb-per-scs>
<scs>KHZ_30</scs>
<number-of-prb>273</number-of-prb>
</number-of-prb-per-scs>
<ul-fft-sampling-offsets>
<scs>KHZ_30</scs>
</ul-fft-sampling-offsets>
<e-axcid>
<o-du-port-bitmask>65024</o-du-port-bitmask>
<band-sector-bitmask>448</band-sector-bitmask>
<ccid-bitmask>56</ccid-bitmask>
<ru-port-bitmask>7</ru-port-bitmask>
<eaxc-id>1</eaxc-id>
</e-axcid>
<non-time-managed-delay-enabled>false</non-time-managed-delay-enabled>
</low-level-rx-endpoints>
<low-level-rx-endpoints>
<name>sllrx-endpoint1</name>
<compression>
<compression-type>STATIC</compression-type>
<iq-bitwidth>16</iq-bitwidth>
</compression>
<cp-length>352</cp-length>
<cp-length-other>288</cp-length-other>
<offset-to-absolute-frequency-center>0</offset-to-absolute-frequency-center>
<number-of-prb-per-scs>
<scs>KHZ_30</scs>
<number-of-prb>273</number-of-prb>
</number-of-prb-per-scs>
<ul-fft-sampling-offsets>
<scs>KHZ_30</scs>
</ul-fft-sampling-offsets>
<e-axcid>
<o-du-port-bitmask>65024</o-du-port-bitmask>
<band-sector-bitmask>448</band-sector-bitmask>
<ccid-bitmask>56</ccid-bitmask>
<ru-port-bitmask>7</ru-port-bitmask>
<eaxc-id>2</eaxc-id>
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  <group>sudo</group>
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</rule>
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</rule>
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<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-permission1</name>
<module-name>ietf-netconf-acm</module-name>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission2</name>
<module-name>ietf-netconf-acm</module-name>
<path xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:groups/nacm:name</path>
<access-operations>read</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-acm-permission3</name>
<module-name>ietf-netconf-acm</module-name>
<path xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:groups/nacm:group/nacm:user-name</path>
<access-operations>create read update delete</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-yang-library-permission</name>
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
<action>permit</action>
```

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

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

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

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

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

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

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



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

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

```
<module-name>ietf-yang-library</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-monitoring-permission</name>
<module-name>ietf-netconf-monitoring</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>ietf-netconf-notifications-permission</name>
<module-name>ietf-netconf-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>nc-notifications-permission</name>
<module-name>nc-notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
<rule>
<name>notifications-permission</name>
<module-name>notifications</module-name>
<access-operations>*</access-operations>
<action>permit</action>
</rule>
</rule-list>
<denied-operations>0</denied-operations>
<denied-data-writes>2</denied-data-writes>
<denied-notifications>0</denied-notifications>
</nacm>
<interfaces xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
<interface>
<name>lo</name>
<enabled>true</enabled>
<type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
<ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
<address>
<ip>127.0.0.1</ip>
<netmask>255.0.0.0</netmask>
</address>
<enabled>true</enabled>
</ipv4>
<mac-address xmlns="urn:o-ran:interfaces:1.0">00:00:00:00:00:00</mac-address>
<statistics>
<in-octets>352</in-octets>
<in-discards>0</in-discards>
```

```
<in-errors>0</in-errors>
<out-octets>352</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">
    <enabled>true</enabled>
    <forwarding>false</forwarding>
    <m-plane-marking xmlns="urn:o-ran:interfaces:1.0">18</m-plane-marking>
    <address>
      <ip>192.168.3.38</ip>
      <netmask>255.255.255.0</netmask>
    </address>
  </ipv4>
  <mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:01:64:d8</mac-address>
  <port-reference xmlns="urn:o-ran:interfaces:1.0">
    <port-name>ru-port0</port-name>
    <port-number>0</port-number>
  </port-reference>
  <l2-mtu xmlns="urn:o-ran:interfaces:1.0">1500</l2-mtu>
  <vlan-tagging xmlns="urn:o-ran:interfaces:1.0">true</vlan-tagging>
  <class-of-service xmlns="urn:o-ran:interfaces:1.0">
    <u-plane-marking>7</u-plane-marking>
    <c-plane-marking>7</c-plane-marking>
    <m-plane-marking>2</m-plane-marking>
    <s-plane-marking>7</s-plane-marking>
    <other-marking>1</other-marking>
  </class-of-service>
  <statistics>
    <in-octets>313885</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>745014</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:01:64:d8</phys-address>
  <last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
</interface>
```

```
<name>eth0.100</name>
<type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:l2vlan</type>
<enabled>true</enabled>
<base-interface xmlns="urn:o-ran:interfaces:1.0">eth0</base-interface>
<vlan-id xmlns="urn:o-ran:interfaces:1.0">100</vlan-id>
<mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:01:64:d8</mac-address>
<port-reference xmlns="urn:o-ran:interfaces:1.0">
  <port-name>ru-port0</port-name>
  <port-number>0</port-number>
</port-reference>
<statistics>
  <in-octets>0</in-octets>
  <in-discards>0</in-discards>
  <in-errors>0</in-errors>
  <out-octets>936</out-octets>
  <out-errors>0</out-errors>
  <out-discards>0</out-discards>
</statistics>
<oper-status>up</oper-status>
<phys-address>98:ae:71:01:64:d8</phys-address>
<last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
<interface>
  <name>eth0.6</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>192.168.22.37</ip>
      <netmask>255.255.255.0</netmask>
    </address>
  </ipv4>
  <base-interface xmlns="urn:o-ran:interfaces:1.0">eth0</base-interface>
  <vlan-id xmlns="urn:o-ran:interfaces:1.0">6</vlan-id>
  <mac-address xmlns="urn:o-ran:interfaces:1.0">98:ae:71:01:64:d8</mac-address>
  <port-reference xmlns="urn:o-ran:interfaces:1.0">
    <port-name>ru-port0</port-name>
    <port-number>0</port-number>
  </port-reference>
  <statistics>
    <in-octets>263329</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>720482</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
  <oper-status>up</oper-status>
```

```
<phys-address>98:ae:71:01:64:d8</phys-address>
<last-cleared xmlns="urn:o-ran:interfaces:1.0">2020-05-19T16:39:57-08:00</last-cleared>
</interface>
</interfaces>
<processing-elements xmlns="urn:o-ran:processing-element:1.0">
  <transport-session-type>ETH-INTERFACE</transport-session-type>
  <ru-elements>
    <name>element0</name>
    <transport-flow>
      <interface-name>eth0.100</interface-name>
      <eth-flow>
        <ru-mac-address>98:ae:71:01:64:d8</ru-mac-address>
        <vlan-id>100</vlan-id>
        <o-du-mac-address>64:9d:99:b1:7e:62</o-du-mac-address>
      </eth-flow>
    </transport-flow>
  </ru-elements>
  <maximum-number-of-transport-flows>4</maximum-number-of-transport-flows>
</processing-elements>
<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>
</module>
<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>
<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>
<location>file:///etc/sysrepo/yang/ietf-netconf-with-defaults@2011-06-01.yang</location>
</module>
```

```
<module>
<name>ietf-netconf-notifications</name>
<revision>2012-02-06</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-notifications</namespace>
<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>
<location>file:///etc/sysrepo/yang/ietf-origin@2018-02-14.yang</location>
</module>
<module>
<name>ietf-netconf-monitoring</name>
<revision>2010-10-04</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring</namespace>
<location>file:///etc/sysrepo/yang/ietf-netconf-monitoring@2010-10-04.yang</location>
</module>
<module>
<name>ietf-netconf-nmda</name>
<revision>2019-01-07</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-nmda</namespace>
<location>file:///etc/sysrepo/yang/ietf-netconf-nmda@2019-01-07.yang</location>
<feature>origin</feature>
<feature>with-defaults</feature>
</module>
<module>
<name>notifications</name>
<revision>2008-07-14</revision>
<namespace>urn:ietf:params:xml:ns:netconf:notification:1.0</namespace>
<location>file:///etc/sysrepo/yang/notifications@2008-07-14.yang</location>
</module>
<module>
<name>nc-notifications</name>
<revision>2008-07-14</revision>
<namespace>urn:ietf:params:xml:ns:netmod:notification</namespace>
<location>file:///etc/sysrepo/yang/nc-notifications@2008-07-14.yang</location>
</module>
<module>
<name>ietf-x509-cert-to-name</name>
<revision>2014-12-10</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name</namespace>
<location>file:///etc/sysrepo/yang/ietf-x509-cert-to-name@2014-12-10.yang</location>
</module>
<module>
<name>ietf-crypto-types</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-crypto-types</namespace>
<location>file:///etc/sysrepo/yang/ietf-crypto-types@2019-07-02.yang</location>
```



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

```
<name>ietf-tls-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tls-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-tls-server@2019-07-02.yang</location>
<feature>local-client-auth-supported</feature>
</module>
<import-only-module>
<name>ietf-tcp-client</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-client</namespace>
<location>file:///etc/sysrepo/yang/ietf-tcp-client@2019-07-02.yang</location>
</import-only-module>
<import-only-module>
<name>ietf-tcp-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-tcp-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-tcp-server@2019-07-02.yang</location>
</import-only-module>
<module>
<name>ietf-netconf-server</name>
<revision>2019-07-02</revision>
<namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-server</namespace>
<location>file:///etc/sysrepo/yang/ietf-netconf-server@2019-07-02.yang</location>
<feature>ssh-listen</feature>
<feature>tls-listen</feature>
<feature>ssh-call-home</feature>
<feature>tls-call-home</feature>
</module>
<module>
<name>stli_giru-wdm</name>
<revision>2021-05-06</revision>
<namespace>urn:stli_giru:wdm:1.1</namespace>
<location>file:///etc/sysrepo/yang/stli_giru-wdm@2021-05-06.yang</location>
</module>
<module>
<name>stli_giru-opm</name>
<revision>2020-11-08</revision>
<namespace>urn:stli_giru-opm:1.1</namespace>
<location>file:///etc/sysrepo/yang/stli_giru-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:mpplane-interfaces:1.0</namespace>
<location>file:///etc/sysrepo/yang/o-ran-mpplane-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-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>
</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-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>61</content-id>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:running</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:candidate</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:startup</name>
  <schema>complete</schema>
</datastore>
<datastore>
  <name xmlns:ds="urn:ietf:params:xml:ns:yang:ietf-datastores">ds:operational</name>
  <schema>complete</schema>
</datastore>
</yang-library>
<modules-state xmlns="urn:ietf:params:xml:ns:yang:ietf-yang-library">
  <module>
    <name>ietf-yang-metadata</name>
    <revision>2016-08-05</revision>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-metadata</namespace>
    <conformance-type>import</conformance-type>
  </module>
  <module>
    <name>yang</name>
    <revision>2017-02-20</revision>
    <namespace>urn:ietf:params:xml:ns:yang:1</namespace>
    <conformance-type>implement</conformance-type>
  </module>
  <module>
    <name>ietf-inet-types</name>
    <revision>2013-07-15</revision>
    <schema>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-inet-types.yang</schema>
    <namespace>urn:ietf:params:xml:ns:yang:ietf-inet-types</namespace>
    <conformance-type>import</conformance-type>
```

```
</module>
<module>
  <name>ietf-yang-types</name>
  <revision>2013-07-15</revision>
  <schema>file:///etc/sysrepo/yang/yang_models/imported/ietf/ietf-yang-types.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-types</namespace>
  <conformance-type>import</conformance-type>
</module>
<module>
  <name>sysrepo</name>
  <revision>2021-01-18</revision>
  <namespace>http://www.sysrepo.org/yang/sysrepo</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-datastores</name>
  <revision>2018-02-14</revision>
  <schema>file:///etc/sysrepo/yang/ietf-datastores@2018-02-14.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-datastores</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-yang-library</name>
  <revision>2019-01-04</revision>
  <schema>file:///etc/sysrepo/yang/ietf-yang-library@2019-01-04.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-yang-library</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>sysrepo-monitoring</name>
  <revision>2021-01-15</revision>
  <schema>file:///etc/sysrepo/yang/sysrepo-monitoring@2021-01-15.yang</schema>
  <namespace>http://www.sysrepo.org/yang/sysrepo-monitoring</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>sysrepo-plugind</name>
  <revision>2020-12-10</revision>
  <schema>file:///etc/sysrepo/yang/sysrepo-plugind@2020-12-10.yang</schema>
  <namespace>urn:sysrepo:plugind</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>ietf-netconf-acm</name>
  <revision>2018-02-14</revision>
  <schema>file:///etc/sysrepo/yang/ietf-netconf-acm@2018-02-14.yang</schema>
  <namespace>urn:ietf:params:xml:ns:yang:ietf-netconf-acm</namespace>
  <conformance-type>implement</conformance-type>
</module>
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<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>
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<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>
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<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>
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<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>
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<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>
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</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>
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  <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>
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  <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>
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  <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>
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  <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>
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<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>
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<schema>file:///etc/sysrepo/yang/ietf-tcp-common@2019-07-02.yang</schema>
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<feature>keepalives-supported</feature>
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<module>
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<feature>local-client-auth-supported</feature>
<conformance-type>implement</conformance-type>
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<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>
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</module>
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  <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>
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  <revision>2021-05-06</revision>
  <schema>file:///etc/sysrepo/yang/stli_giru-wdm@2021-05-06.yang</schema>
  <namespace>urn:stli_giru:wdm:1.1</namespace>
  <conformance-type>implement</conformance-type>
</module>
<module>
  <name>stli_giru-opm</name>
  <revision>2020-11-08</revision>
  <schema>file:///etc/sysrepo/yang/stli_giru-opm@2020-11-08.yang</schema>
  <namespace>urn:stli_giru-opm:1.1</namespace>
  <conformance-type>implement</conformance-type>
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  <revision/>
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  <namespace>urn:notification_history</namespace>
  <conformance-type>implement</conformance-type>
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<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>
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<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>
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</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>
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<schema>file:///etc/sysrepo/yang/ietf-dhcpv6-types@2018-01-30.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-dhcpv6-types</namespace>
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<name>ietf-ip</name>
<revision>2018-02-22</revision>
<schema>file:///etc/sysrepo/yang/ietf-ip@2018-02-22.yang</schema>
<namespace>urn:ietf:params:xml:ns:yang:ietf-ip</namespace>
<feature>ipv4-non-contiguous-netmasks</feature>
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</module>
<module>
<name>o-ran-dhcp</name>
<revision>2019-07-03</revision>
<schema>file:///etc/sysrepo/yang/o-ran-dhcp@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>
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<namespace>urn:o-ran:interfaces:1.0</namespace>
<conformance-type>implement</conformance-type>
</module>
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<module>
<name>o-ran-mplane-int</name>
<revision>2019-07-03</revision>
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<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/yang/o-ran-transceiver@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/yang/o-ran-processing-element@2019-07-03.yang</schema>
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<conformance-type>implement</conformance-type>
</module>
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<name>o-ran-supervision</name>
<revision>2019-07-03</revision>
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<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>
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<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>
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<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>
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<module>
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<schema>file:///etc/sysrepo/yang/o-ran-sync@2019-07-03.yang</schema>
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</module>
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<name>o-ran-module-cap</name>
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</module>
<module>
<name>o-ran-delay-management</name>
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</module>
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<name>o-ran-operations</name>
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<conformance-type>implement</conformance-type>
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<revision>2019-07-03</revision>
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<name>o-ran-file-management</name>
<revision>2019-07-03</revision>
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</module>
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<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>
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  <revision>2019-07-03</revision>
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  <namespace>urn:o-ran:performance-management:1.0</namespace>
  <conformance-type>implement</conformance-type>
</module>
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  <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>
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  <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>
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    <capability>urn:ietf:params:netconf:capability:candidate:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:rollback-on-error:1.0</capability>
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    <capability>urn:ietf:params:netconf:capability:xpath:1.0</capability>
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    <capability>urn:ietf:params:netconf:capability:notification:1.0</capability>
    <capability>urn:ietf:params:netconf:capability:interleave:1.0</capability>
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    <capability>urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20</capability>
    <capability>urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15</capability>
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,rollback-on-error,validate,startup,url,xpath</capability>
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<capability>urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06</capability>
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  <format>yang</format>
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  <version>2021-01-18</version>
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<format>yang</format>
<namespace>urn:o-ran:delay:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-delay-management</identifier>
<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:delay:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-operations</identifier>
<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:operations:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-operations</identifier>
<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:operations:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-uplane-conf</identifier>
```

```
<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:uplane-conf:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-uplane-conf</identifier>
<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:uplane-conf:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-file-management</identifier>
<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:file-management:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-file-management</identifier>
<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:file-management:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-software-management</identifier>
<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:software-management:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-software-management</identifier>
<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:software-management:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-performance-management</identifier>
<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:performance-management:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-performance-management</identifier>
```



```
<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:performance-management:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-trace</identifier>
<version>2019-07-03</version>
<format>yang</format>
<namespace>urn:o-ran:trace:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-trace</identifier>
<version>2019-07-03</version>
<format>yin</format>
<namespace>urn:o-ran:trace:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-troubleshooting</identifier>
<version>2019-02-04</version>
<format>yang</format>
<namespace>urn:o-ran:troubleshooting:1.0</namespace>
<location>NETCONF</location>
</schema>
<schema>
<identifier>o-ran-troubleshooting</identifier>
<version>2019-02-04</version>
<format>yin</format>
<namespace>urn:o-ran:troubleshooting:1.0</namespace>
<location>NETCONF</location>
</schema>
</schemas>
<sessions>
<session>
<session-id>10</session-id>
<transport>netconf-ssh</transport>
<username>operator6553383621</username>
<source-host>192.168.22.208</source-host>
<login-time>2027-04-14T05:33:10Z</login-time>
<in-rpcs>0</in-rpcs>
<in-bad-rpcs>0</in-bad-rpcs>
<out-rpc-errors>0</out-rpc-errors>
<out-notifications>0</out-notifications>
</session>
<session>
<session-id>12</session-id>
<transport>netconf-ssh</transport>
```

```
<username>operator</username>
<source-host>192.168.22.208</source-host>
<login-time>2027-04-14T05:34:16Z</login-time>
<in-rpcs>4</in-rpcs>
<in-bad-rpcs>0</in-bad-rpcs>
<out-rpc-errors>0</out-rpc-errors>
<out-notifications>1</out-notifications>
</session>
</sessions>
<statistics>
<netconf-start-time>2027-04-14T05:25:36Z</netconf-start-time>
<in-bad-hellos>0</in-bad-hellos>
<in-sessions>12</in-sessions>
<dropped-sessions>0</dropped-sessions>
<in-rpcs>72</in-rpcs>
<in-bad-rpcs>0</in-bad-rpcs>
<out-rpc-errors>3</out-rpc-errors>
<out-notifications>38</out-notifications>
</statistics>
</netconf-state>
<netconf xmlns="urn:ietf:params:xml:ns:netmod:notification">
<streams>
<stream>
<name>NETCONF</name>
<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>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-yang-library</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>sysrepo-monitoring</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
</stream>
</streams>
</netconf>
```

```
<name>sysrepo-plugind</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-with-defaults</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-notifications</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-origin</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-acm</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-monitoring</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-nmda</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>nc-notifications</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>notifications</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
```

```
<stream>
<name>ietf-x509-cert-to-name</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-crypto-types</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-keystore</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-truststore</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-tcp-common</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-ssh-server</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-tls-server</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>ietf-netconf-server</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>stli_giru-wdm</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>stli_giru-opm</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
```

```
</stream>
<stream>
  <name>notification_history</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>iana-hardware</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>ietf-hardware</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>ietf-interfaces</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>iana-if-type</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>ietf-dhcpv6-types</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>ietf-ip</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>o-ran-dhcp</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>o-ran-interfaces</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>false</replaySupport>
</stream>
<stream>
  <name>o-ran-mplane-int</name>
  <description>Stream with all notifications of a module.</description>
```

```
<replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-transceiver</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-processing-element</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-supervision</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-hardware</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-fm</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-usermgmt</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-sync</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-compression-factors</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-module-cap</name>
  <description>Stream with all notifications of a module.</description>
  <replaySupport>>false</replaySupport>
</stream>
<stream>
  <name>o-ran-delay-management</name>
```

```
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-operations</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-uplane-conf</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-file-management</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-software-management</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-performance-management</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-trace</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
<stream>
<name>o-ran-troubleshooting</name>
<description>Stream with all notifications of a module.</description>
<replaySupport>>false</replaySupport>
</stream>
</streams>
</netconf>
<interfaces-state xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces">
<interface>
<name>lo</name>
<oper-status>up</oper-status>
<phys-address>00:00:00:00:00:00</phys-address>
<statistics>
<in-octets>352</in-octets>
<in-discards>0</in-discards>
<in-errors>0</in-errors>
```

```
<out-octets>352</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:71:01:64:d8</phys-address>
  <statistics>
    <in-octets>313885</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>745014</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
</interface>
<interface>
  <name>eth0.100</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:01:64:d8</phys-address>
  <statistics>
    <in-octets>0</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>936</out-octets>
    <out-errors>0</out-errors>
    <out-discards>0</out-discards>
  </statistics>
</interface>
<interface>
  <name>eth0.6</name>
  <oper-status>up</oper-status>
  <phys-address>98:ae:71:01:64:d8</phys-address>
  <statistics>
    <in-octets>263329</in-octets>
    <in-discards>0</in-discards>
    <in-errors>0</in-errors>
    <out-octets>720482</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>eth0.6</interface>
  </interfaces>
</dhcpv4>
```



```
<dhcp-server-identifier>192.168.22.208</dhcp-server-identifier>
<domain-name>vvdntech.com</domain-name>
<domain-name-servers>192.168.22.208</domain-name-servers>
<interface-mtu>1500</interface-mtu>
<default-gateways>192.168.22.208</default-gateways>
<netconf-clients>
  <client>192.168.22.208</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</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>2027-04-14T05:26:39Z</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>true</active>
    <running>true</running>
    <access>READ_WRITE</access>
    <product-code>STL O-RU</product-code>
    <vendor-code>VN</vendor-code>
    <build-id>90f0b6c</build-id>
    <build-name>Beta Release</build-name>
    <build-version>5.0.4</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>
  </software-slot>
</software-inventory>
```

```
<name>rootfs</name>
<version>1.0.0</version>
<local-path>/media/sd-mmcbk0p2</local-path>
<integrity>OK</integrity>
</files>
</software-slot>
<software-slot>
<name>swSlot2</name>
<status>VALID</status>
<active>false</active>
<running>false</running>
<access>READ_WRITE</access>
<product-code/>
<build-id/>
<build-name/>
<build-version/>
<files>
<name>boot</name>
<version/>
<local-path>/media/sd-mmcbk0p1/BOOT0002.BIN</local-path>
<integrity>NOK</integrity>
</files>
<files>
<name>kernel</name>
<version/>
<local-path>/media/sd-mmcbk0p1/image0002.ub</local-path>
<integrity>NOK</integrity>
</files>
<files>
<name>rootfs</name>
<version/>
<local-path>/media/sd-mmcbk0p3</local-path>
<integrity>NOK</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>1.3.4</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 #####**

=====

Apr 14 05:34:14 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:34:14 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:15 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:34:15 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Session 275 (user "root", CID 1) created.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: User "operator" authenticated.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Call Home client "default-client" session 12 established.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Session 276 (user "root", CID 1) created.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Generated new event (netconf-session-start).

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 21 priority 0 for 1 subscribers.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 21 priority 0 (remaining 1 subscribers).

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 21 priority 0 (remaining 0 subscribers).

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 21 priority 0 succeeded.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Session 12: thread 0 event new RPC.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 22 priority 0 for 1 subscribers.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 22 priority 0 (remaining 1 subscribers).

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 9.

Apr 14 05:34:16 garuda user.notice fw\_manager[937]: RPC #9 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 9 succeeded.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL O-RU", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 22 priority 0 (remaining 0 subscribers).

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 22 priority 0 succeeded.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL O-RU", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Session 12: thread 3 event new RPC.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get-config" with ID 19 priority 0 for 1 subscribers.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get-config" "rpc" event with ID 19 priority 0 (remaining 1 subscribers).

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 19 priority 0 (remaining 0 subscribers).

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 19 priority 0 succeeded.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:16 garuda daemon.info netopeer2-server[860]: Session 12: thread 4 event new RPC.

Apr 14 05:34:21 garuda user.notice SYNCMNGR[1183]: Received message from S-Plane

Apr 14 05:34:21 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:21 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:21 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:21 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:21 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/notifications:create-subscription" with ID 10 priority 0 for 1 subscribers.

Apr 14 05:34:21 garuda daemon.info netopeer2-server[860]: Processing "/notifications:create-subscription" "rpc" event with ID 10 priority 0 (remaining 1 subscribers).

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no instance of "/stli\_giru-wdm:system-apps/log\_manager", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 10 priority 0 (remaining 0 subscribers).

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 10 priority 0 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Session 12: thread 3 event new RPC.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 23 priority 0 for 1 subscribers.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 23 priority 0 (remaining 1 subscribers).

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/ietf-netconf-acm:nacm/denied-operations" with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Processing "ietf-netconf-acm" "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Successful processing of "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/ietf-netconf-acm:nacm/denied-data-writes" with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Processing "ietf-netconf-acm" "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Successful processing of "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/ietf-netconf-acm:nacm/denied-notifications" with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Processing "ietf-netconf-acm" "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Successful processing of "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/ietf-netconf-monitoring:netconf-state" with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Processing "ietf-netconf-monitoring" "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Successful processing of "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/nc-notifications:netconf" with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Processing "nc-notifications" "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Successful processing of "operational" event with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/ietf-hardware:hardware" with ID 1.

Apr 14 05:34:22 garuda user.info nw\_manager[889]: SR\_HW: Data for "ietf-hardware" "/ietf-hardware:hardware" requested

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/ietf-interfaces:interfaces" with ID 1.

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: DATA FOR "ietf-interfaces" "/ietf-interfaces:interfaces" REQUESTED

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IF\_CFG: File./sys/class/net/lo/speed reading failed errno:(Invalid argument)

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IF\_CFG: File./sys/class/net/eth0/speed reading failed errno:(Invalid argument)

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IF\_CFG: File./sys/class/net/eth0.100/speed reading failed errno:(Invalid argument)

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IF\_CFG: File./sys/class/net/eth0.6/speed reading failed errno:(Invalid argument)

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/ietf-interfaces:interfaces-state" with ID 1.

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: DATA FOR "ietf-interfaces" "/ietf-interfaces:interfaces-state" REQUESTED

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: /ietf-interfaces:interfaces-state

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IFMNGR: getting state of interface : lo

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IF\_CFG: File./sys/class/net/lo/speed reading failed errno:(Invalid argument)

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : lo in-octets: 352

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : lo in-discards: 0

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : lo in-errors: 0

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IFMNGR: getting state of interface : eth0

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IF\_CFG: File./sys/class/net/eth0/speed reading failed errno:(Invalid argument)

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0 in-octets: 313885

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0 in-discards: 0

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0 in-errors: 0

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IFMNGR: getting state of interface : eth0.100

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IF\_CFG: File./sys/class/net/eth0.100/speed reading failed errno:(Invalid argument)

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0.100 in-octets: 0

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0.100 in-discards: 0

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0.100 in-errors: 0

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IFMNGR: getting state of interface : eth0.6

Apr 14 05:34:22 garuda user.err nw\_manager[889]: IF\_CFG: File./sys/class/net/eth0.6/speed reading failed errno:(Invalid argument)

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0.6 in-octets: 263329

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0.6 in-discards: 0

Apr 14 05:34:22 garuda user.info nw\_manager[889]: IFMNGR: Interface : eth0.6 in-errors: 0

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-dhcp:dhcp/interfaces" with ID 1.

Apr 14 05:34:22 garuda user.info nw\_manager[889]: Interface : eth0.6

Apr 14 05:34:22 garuda user.info nw\_manager[889]: Clientid :

Apr 14 05:34:22 garuda user.info nw\_manager[889]: Serverid : 192.168.22.208

Apr 14 05:34:22 garuda user.info nw\_manager[889]: MTU : 1500

Apr 14 05:34:22 garuda user.info nw\_manager[889]: Domain : vvdntech.com

Apr 14 05:34:22 garuda user.info nw\_manager[889]: DNS : 192.168.22.208

Apr 14 05:34:22 garuda user.info nw\_manager[889]: Gateway : 192.168.22.208

Apr 14 05:34:22 garuda user.info nw\_manager[889]: NC Client : 192.168.22.208

Apr 14 05:34:22 garuda user.info nw\_manager[889]: DHCP: DATA FOR "o-ran-dhcp" "/o-ran-dhcp:dhcp/interfaces" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/ietf-interfaces:interfaces/ietf-interfaces:interface/ietf-interfaces:name" with the value "eth0.6", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-mplane-int:mplane-info/m-plane-interfaces" with ID 1.

Apr 14 05:34:22 garuda user.info nw\_manager[889]: Mplane: DATA FOR "o-ran-mplane-int" "/o-ran-mplane-int:mplane-info/m-plane-interfaces" REQUESTED

Apr 14 05:34:22 garuda user.err nw\_manager[889]: Getting fqdn string

Apr 14 05:34:22 garuda user.err nw\_manager[889]: Unable to open fqdn file or file not created

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/ietf-interfaces:interfaces/ietf-interfaces:interface/ietf-interfaces:name" with the value "eth0.6", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/ietf-interfaces:interfaces/ietf-interfaces:interface[ietf-interfaces:name = current()/../interface-name]/o-ran-interfaces:vlan-id" with the value "6", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.



Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-transceiver:port-transceivers" with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-processing-element:processing-elements" with ID 1.

Apr 14 05:34:22 garuda user.notice PROCESSING-ELEMENTS[1194]: DATA FOR "o-ran-processing-element" "/o-ran-processing-element:processing-elements" REQUESTED

Apr 14 05:34:22 garuda user.notice PROCESSING-ELEMENTS[1194]: get-maximum-number-of-transport-flow

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-fm:active-alarm-list/active-alarms" with ID 2.

Apr 14 05:34:22 garuda user.info FAULT MANAGEMENT[916]: ===== DATA FOR "o-ran-fm" "/o-ran-fm:active-alarm-list/active-alarms" REQUESTED=====

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-sync:sync" with ID 4.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 4 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/ietf-interfaces:interfaces/ietf-interfaces:interface/o-ran-interfaces:port-reference/o-ran-interfaces:port-number" with the value "0", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/ietf-interfaces:interfaces/ietf-interfaces:interface/o-ran-interfaces:port-reference/o-ran-interfaces:port-number" with the value "0", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-module-cap:module-capability" with ID 1.

Apr 14 05:34:22 garuda user.info radio\_manager[1286]: Data for "o-ran-module-cap" "/o-ran-module-cap:module-capability" requested

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-delay-management:delay-management" with ID 1.

Apr 14 05:34:22 garuda user.notice radio\_manager[1286]: DATA FOR "o-ran-delay-management" "/o-ran-delay-management:delay-management" REQUESTED

Apr 14 05:34:22 garuda user.notice radio\_manager[1286]: o-ran-delay-management: /o-ran-delay-management:delay-management

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-operations:operational-info" with ID 1.

Apr 14 05:34:22 garuda user.notice SR\_OP[1194]: Data for o-ran-operations on /o-ran-operations:operational-info requested

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-uplane-conf:user-plane-configuration/tx-arrays" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf" "/o-ran-uplane-conf:user-plane-configuration/tx-arrays" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/o-ran-module-cap:module-capability/o-ran-module-cap:band-capabilities/o-ran-module-cap:band-number" with the value "78", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/o-ran-module-cap:module-capability/o-ran-module-cap:band-capabilities/o-ran-module-cap:band-number" with the value "78", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/o-ran-module-cap:module-capability/o-ran-module-cap:band-capabilities/o-ran-module-cap:band-number" with the value "78", but it is not required.



Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-module-cap:module-capability/o-ran-module-cap:band-capabilities/o-ran-module-cap:band-number" with the value "78", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-uplane-conf:user-plane-configuration/rx-arrays" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"  
"/o-ran-uplane-conf:user-plane-configuration/rx-arrays" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-module-cap:module-capability/o-ran-module-cap:band-capabilities/o-ran-module-cap:band-number" with the value "78", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-module-cap:module-capability/o-ran-module-cap:band-capabilities/o-ran-module-cap:band-number" with the value "78", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-module-cap:module-capability/o-ran-module-cap:band-capabilities/o-ran-module-cap:band-number" with the value "78", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-module-cap:module-capability/o-ran-module-cap:band-capabilities/o-ran-module-cap:band-number" with the value "78", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-uplane-conf:user-plane-configuration/relations" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"  
"/o-ran-uplane-conf:user-plane-configuration/relations" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-arrays/o-ran-uplane-conf:name" with the value "slltx-endpoint0", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-arrays/o-ran-uplane-conf:name" with the value "sllrx-endpoint0", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-arrays/o-ran-uplane-conf:name" with the value "slltx-endpoint1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-arrays/o-ran-uplane-conf:name" with the value "sllrx-endpoint1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-arrays/o-ran-uplane-conf:name" with the value "slltx-endpoint2", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-arrays/o-ran-uplane-conf:name" with the value "sllrx-endpoint2", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:tx-arrays/o-ran-uplane-conf:name" with the value "slltx-endpoint3", but it is not required.

required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref

"/o-ran-uplane-conf:user-plane-configuration/o-ran-uplane-conf:rx-arrays/o-ran-uplane-conf:name" with the value "sllrx-endpoint3", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/endpoint-types" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"

"/o-ran-uplane-conf:user-plane-configuration/endpoint-types" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/tx-array-carriers" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"

"/o-ran-uplane-conf:user-plane-configuration/tx-array-carriers" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/rx-array-carriers" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"

"/o-ran-uplane-conf:user-plane-configuration/rx-array-carriers" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/static-low-level-tx-endpoints" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"

"/o-ran-uplane-conf:user-plane-configuration/static-low-level-tx-endpoints" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/user-plane-configuration/tx-arrays/name" with the value "slltx-endpoint0", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-capacity-sharing-groups/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/user-plane-configuration/tx-arrays/name" with the value "slltx-endpoint1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-capacity-sharing-groups/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/user-plane-configuration/tx-arrays/name" with the value "slltx-endpoint2", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-capacity-sharing-groups/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/user-plane-configuration/tx-arrays/name" with the value "slltx-endpoint3", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-capacity-sharing-groups/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/static-low-level-rx-endpoints" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"  
"/o-ran-uplane-conf:user-plane-configuration/static-low-level-rx-endpoints" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/user-plane-configuration/rx-arrays/name" with the value "sllrx-endpoint0", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-capacity-sharing-groups/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/user-plane-configuration/rx-arrays/name" with the value "sllrx-endpoint1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-capacity-sharing-groups/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/user-plane-configuration/rx-arrays/name" with the value "sllrx-endpoint2", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-capacity-sharing-groups/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "/user-plane-configuration/rx-arrays/name" with the value "sllrx-endpoint3", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-capacity-sharing-groups/id" with the value "1", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational"  
"/o-ran-uplane-conf:user-plane-configuration/endpoint-capacity-sharing-groups" with ID 2.

Apr 14 05:34:22 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"  
"/o-ran-uplane-conf:user-plane-configuration/endpoint-capacity-sharing-groups" REQUESTED

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 2 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 10.

Apr 14 05:34:22 garuda user.notice fw\_manager[937]: RPC #10 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 10 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL O-RU", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Published event "operational"  
"/o-ran-performance-management:performance-measurement-objects" with ID 1.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: There is no instance of "/stli\_giru-wdm:system-apps/fault\_manager", but it is not required.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

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Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 4.

Apr 14 05:34:22 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: There is no instance of "/stli\_giru-wdm:system-apps/supervision", but it is not required.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 5.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 5 priority 0 (remaining 0 subscribers).

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: There is no instance of "/stli\_giru-wdm:system-apps/radio\_manager", but it is not required.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 6.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 6 priority 0 (remaining 0 subscribers).

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: There is no instance of "/stli\_giru-wdm:system-apps/um\_manager", but it is not required.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 7.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 7 priority 0 (remaining 0 subscribers).

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Session 12: thread 3 event new RPC.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Session 12: thread 3 event session terminated.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Generated new event (netconf-session-end).

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Call Home client "default-client" session terminated.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:34:23 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:24 garuda auth.info sshd[9321]: Accepted password for operator from 192.168.22.208 port 34618 ssh2

Apr 14 05:34:24 garuda authpriv.info sshd[9321]: pam\_unix(sshd:session): session opened for user operator by (uid=0)

**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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