



@ FILE NAME: M_CTC_ID_026.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda: v5.0.4

Test Description : This scenario is MANDATORY.

This test validates eAxC configuration and validation. The test scenario is intentionally limited in scope to be applicable to any O-RU hardware design.

This scenario corresponds to the following chapters in [3]:

Chapter 6 Configuration Management

Chapter 12.2 User plane message routing

***** 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 '::ffff: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      : 11
```

```
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
```

```
=====
##### Pre get filter #####
=====
```

```
=====
> get --filter-xpath /o-ran-uplane-conf:user-plane-configuration
=====
```

```
<?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">
<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>
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<name>lltxlink1</name>
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</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>
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</low-level-tx-links>
<low-level-rx-links>
<name>llrxlink0</name>
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</low-level-rx-links>
<low-level-rx-links>
<name>llrxlink1</name>
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<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>
```

```
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</low-level-rx-links>
<low-level-rx-links>
  <name>llrxlink3</name>
</low-level-rx-links>
<processing-element>element0</processing-element>
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<low-level-rx-endpoint>sllrx-endpoint3</low-level-rx-endpoint>
</low-level-rx-links>
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    <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-per-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>
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    <band-sector-bitmask>448</band-sector-bitmask>
    <ccid-bitmask>56</ccid-bitmask>
    <ru-port-bitmask>7</ru-port-bitmask>
```

```
<eexc-id>2</eexc-id>
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  </compression>
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  <cp-length-other>288</cp-length-other>
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    <number-of-prb>273</number-of-prb>
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<ccid-bitmask>56</ccid-bitmask>
<ru-port-bitmask>7</ru-port-bitmask>
<eexc-id>3</eexc-id>
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<low-level-tx-endpoints>
  <name>slltx-endpoint3</name>
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  </compression>
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  <cp-length-other>288</cp-length-other>
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```

```
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<cp-length-other>288</cp-length-other>
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<scs>KHZ_30</scs>
</ul-fft-sampling-offsets>
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<ru-port-bitmask>7</ru-port-bitmask>
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</e-axcid>
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<compression>
```

```
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</compression>
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<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>
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<ru-port-bitmask>7</ru-port-bitmask>
<eaxc-id>3</eaxc-id>
</e-axcid>
<non-time-managed-delay-enabled>>false</non-time-managed-delay-enabled>
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```

```
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<center-of-channel-bandwidth>3600000000</center-of-channel-bandwidth>
<channel-bandwidth>100000000</channel-bandwidth>
<active>ACTIVE</active>
<gain>0.0</gain>
<downlink-radio-frame-offset>0</downlink-radio-frame-offset>
<downlink-sfn-offset>0</downlink-sfn-offset>
<state>READY</state>
<type>NR</type>
<duplex-scheme>TDD</duplex-scheme>
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  <name>rxarraycarrier0</name>
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  <center-of-channel-bandwidth>3600000000</center-of-channel-bandwidth>
  <channel-bandwidth>100000000</channel-bandwidth>
  <active>ACTIVE</active>
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  <downlink-sfn-offset>0</downlink-sfn-offset>
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  <state>READY</state>
  <type>NR</type>
  <duplex-scheme>TDD</duplex-scheme>
</rx-array-carriers>
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  <number-of-columns>1</number-of-columns>
  <number-of-array-layers>1</number-of-array-layers>
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  <vertical-spacing>1.0</vertical-spacing>
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    <zenith-angle>1.0</zenith-angle>
  </normal-vector-direction>
  <leftmost-bottom-array-element-position>
    <x>1.0</x>
    <y>1.0</y>
    <z>1.0</z>
  </leftmost-bottom-array-element-position>
  <band-number>78</band-number>
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<tx-arrays>
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  <number-of-columns>1</number-of-columns>
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  <horizontal-spacing>1.0</horizontal-spacing>
```



```
<vertical-spacing>1.0</vertical-spacing>
<normal-vector-direction>
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</normal-vector-direction>
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  <y>1.0</y>
  <z>1.0</z>
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</tx-arrays>
<tx-arrays>
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  <vertical-spacing>1.0</vertical-spacing>
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    <y>1.0</y>
    <z>1.0</z>
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<tx-arrays>
  <name>slltx-endpoint3</name>
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  <number-of-columns>1</number-of-columns>
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    <z>1.0</z>
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```

```
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</normal-vector-direction>
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  <y>1.0</y>
  <z>1.0</z>
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</rx-arrays>
<rx-arrays>
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    <y>1.0</y>
    <z>1.0</z>
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<rx-arrays>
  <name>sllrx-endpoint2</name>
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  <number-of-columns>1</number-of-columns>
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    <y>1.0</y>
```

```
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  </normal-vector-direction>
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    <y>1.0</y>
    <z>1.0</z>
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  <array2>
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  </array2>
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  <array2>
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```

```
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  <element-array2>1</element-array2>
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  </array2>
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  <entity>3</entity>
  <array1>
    <tx-array-name>slltx-endpoint3</tx-array-name>
  </array1>
  <array2>
    <rx-array-name>sllrx-endpoint3</rx-array-name>
  </array2>
</types>
<types>
  <relation-type>COALLOCATED</relation-type>
  <pairs>
    <element-array1>1</element-array1>
    <element-array2>3</element-array2>
  </pairs>
</types>
</relations>
<endpoint-types>
  <id>1</id>
  <supported-section-types>
    <section-type>1</section-type>
  </supported-section-types>
  <supported-section-types>
    <section-type>3</section-type>
  </supported-section-types>
```

```
<supported-frame-structures>193</supported-frame-structures>
<managed-delay-support>MANAGED</managed-delay-support>
<multiple-numerology-supported>false</multiple-numerology-supported>
<max-sections-per-symbol>46</max-sections-per-symbol>
<max-sections-per-slot>644</max-sections-per-slot>
<max-prb-per-symbol>273</max-prb-per-symbol>
<max-numerologies-per-symbol>1</max-numerologies-per-symbol>
</endpoint-types>
<static-low-level-tx-endpoints>
  <name>slltx-endpoint0</name>
  <array>slltx-endpoint0</array>
  <endpoint-type>1</endpoint-type>
  <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-tx-endpoints>
<static-low-level-tx-endpoints>
  <name>slltx-endpoint1</name>
  <array>slltx-endpoint1</array>
  <endpoint-type>1</endpoint-type>
  <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-tx-endpoints>
<static-low-level-tx-endpoints>
  <name>slltx-endpoint2</name>
  <array>slltx-endpoint2</array>
  <endpoint-type>1</endpoint-type>
  <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-tx-endpoints>
<static-low-level-tx-endpoints>
  <name>slltx-endpoint3</name>
  <array>slltx-endpoint3</array>
  <endpoint-type>1</endpoint-type>
  <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-tx-endpoints>
<static-low-level-rx-endpoints>
  <name>sllrx-endpoint0</name>
  <array>sllrx-endpoint0</array>
  <endpoint-type>1</endpoint-type>
  <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-rx-endpoints>
<static-low-level-rx-endpoints>
  <name>sllrx-endpoint1</name>
  <array>sllrx-endpoint1</array>
  <endpoint-type>1</endpoint-type>
  <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-rx-endpoints>
<static-low-level-rx-endpoints>
  <name>sllrx-endpoint2</name>
  <array>sllrx-endpoint2</array>
  <endpoint-type>1</endpoint-type>
  <capacity-sharing-groups>1</capacity-sharing-groups>
```

```
</static-low-level-rx-endpoints>
<static-low-level-rx-endpoints>
  <name>sllrx-endpoint3</name>
  <array>sllrx-endpoint3</array>
  <endpoint-type>1</endpoint-type>
  <capacity-sharing-groups>1</capacity-sharing-groups>
</static-low-level-rx-endpoints>
<endpoint-capacity-sharing-groups/>
<endpoint-capacity-sharing-groups>
  <id>1</id>
  <max-managed-delay-endpoints>4</max-managed-delay-endpoints>
  <max-non-managed-delay-endpoints>0</max-non-managed-delay-endpoints>
  <max-endpoints>4</max-endpoints>
  <max-sections-per-symbol>46</max-sections-per-symbol>
  <max-sections-per-slot>644</max-sections-per-slot>
  <max-prb-per-symbol>273</max-prb-per-symbol>
  <max-numerologies-per-symbol>1</max-numerologies-per-symbol>
</endpoint-capacity-sharing-groups>
</user-plane-configuration>
</data>
```

=====

STEP 1 The TER NETCONF Client assigns unique eAxC_IDs to low-level-rx-endpoints. The same set of eAxC_IDs is also assigned to low-level-tx-endpoints. The TER NETCONF Client uses <rpc><editconfig>.

=====

=====

```
> edit-config --target running --config --defop replace
```

=====

=====

******* Replace with below xml *******

=====

```
<config xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <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>
</config>
```

```
<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>
</e-axcid>
<non-time-managed-delay-enabled>>false</non-time-managed-delay-enabled>
</low-level-rx-endpoints>
<low-level-rx-endpoints>
  <name>sllrx-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>
  <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>3</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-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>
  <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>4</eaxc-id>
</e-axcid>
<non-time-managed-delay-enabled>>false</non-time-managed-delay-enabled>
</low-level-rx-endpoints>
<tx-array-carriers>
  <name>txarraycarrier0</name>
  <absolute-frequency-center>641667</absolute-frequency-center>
  <center-of-channel-bandwidth>3625005000</center-of-channel-bandwidth>
  <channel-bandwidth>100000000</channel-bandwidth>
  <gain>0</gain>
  <downlink-radio-frame-offset>0</downlink-radio-frame-offset>
  <downlink-sfn-offset>0</downlink-sfn-offset>
  <rw-duplex-scheme>TDD</rw-duplex-scheme>
  <rw-type>NR</rw-type>
</tx-array-carriers>
<rx-array-carriers>
  <name>rxarraycarrier0</name>
  <absolute-frequency-center>641667</absolute-frequency-center>
  <center-of-channel-bandwidth>3625005000</center-of-channel-bandwidth>
  <channel-bandwidth>100000000</channel-bandwidth>
  <downlink-radio-frame-offset>0</downlink-radio-frame-offset>
  <downlink-sfn-offset>0</downlink-sfn-offset>
  <gain-correction>0</gain-correction>
  <n-ta-offset>25600</n-ta-offset>
</rx-array-carriers>
</user-plane-configuration>
```

</config>Error occurred in line number 188

=====

SYSTEM LOGS

=====

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Session 227 (user "root", CID 1) created.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: User "operator" authenticated.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Call Home client "default-client" session 11 established.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Session 228 (user "root", CID 1) created.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Generated new event (netconf-session-start).

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 18 priority 0 for 1 subscribers.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 18 priority 0 (remaining 1 subscribers).

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 18 priority 0 (remaining 0 subscribers).

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 18 priority 0 succeeded.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:32 garuda daemon.info netopeer2-server[860]: Session 11: thread 2 event new RPC.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 19 priority 0 for 1 subscribers.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 19 priority 0 (remaining 1 subscribers).

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 8.

Apr 14 05:33:33 garuda user.notice fw_manager[937]: RPC #8 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 8 succeeded.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 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 05:33:33 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 05:33:33 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 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 19 priority 0 (remaining 0 subscribers).

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 19 priority 0 succeeded.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 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 05:33:33 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 05:33:33 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 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Session 11: thread 2 event new RPC.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get-config" with ID 17 priority 0 for 1 subscribers.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get-config" "rpc" event with ID 17 priority 0 (remaining 1 subscribers).

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 17 priority 0 (remaining 0 subscribers).

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 17 priority 0 succeeded.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 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 05:33:33 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 05:33:33 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 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Session 11: thread 4 event new RPC.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get-config" with ID 18 priority 0 for 1 subscribers.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get-config" "rpc" event with ID 18 priority 0 (remaining 1 subscribers).

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 18 priority 0 (remaining 0 subscribers).

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 18 priority 0 succeeded.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:33 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 05:33:33 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 05:33:33 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 05:33:33 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:33 garuda daemon.info netopeer2-server[860]: Session 11: thread 2 event new RPC.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/notifications:create-subscription" with ID 9 priority 0 for 1 subscribers.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Processing "/notifications:create-subscription" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 9 priority 0 succeeded.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Session 11: thread 4 event new RPC.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:38 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 05:33:38 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:edit-config" with ID 9 priority 0 for 1 subscribers.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Published event "change" "ietf-interfaces" with ID 3 priority 0 for 1 subscribers.

Apr 14 05:33:38 garuda user.info nw_manager[889]: IFMNGR: EVENT change CHANGES: for module name: ietf-interfaces

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Event "change" with ID 3 priority 0 succeeded.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Published event "done" "ietf-interfaces" with ID 3 priority 0 for 1 subscribers.

Apr 14 05:33:38 garuda user.info nw_manager[889]: IFMNGR: EVENT done CHANGES: for module name: ietf-interfaces

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Published event "notif" "ietf-netconf-notifications" with ID 2 priority 0 for 1 subscribers.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: There is no instance of
"/ietf-interfaces:interfaces/interface[name='eth0']/o-ran-interfaces:class-of-service/m-plane-marking", but it is not required.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: There is no instance of
"/ietf-interfaces:interfaces/interface[name='eth0']/o-ran-interfaces:class-of-service/other-marking", but it is not required.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 9 priority 0 succeeded.

Apr 14 05:33:38 garuda daemon.info netopeer2-server[860]: Session 11: thread 3 event new RPC.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:edit-config" with ID 10 priority 0 for 1 subscribers.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 10 priority 0 (remaining 1 subscribers).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "change" "o-ran-processing-element" with ID 2 priority 0 for 3 subscribers.

Apr 14 05:33:39 garuda user.notice PROCESSING-ELEMENTS[1194]: EVENT change CHANGES

Apr 14 05:33:39 garuda user.notice PROCESSING-ELEMENTS[1194]: FPGA interface element0: du-mac : 64:9d:99:b1:7e:62

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "change" with ID 2 priority 0 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "done" "o-ran-processing-element" with ID 2 priority 0 for 3 subscribers.

Apr 14 05:33:39 garuda user.notice PROCESSING-ELEMENTS[1194]: EVENT done CHANGES

Apr 14 05:33:39 garuda user.notice PROCESSING-ELEMENTS[1194]: FPGA interface element0: du-mac : 64:9d:99:b1:7e:62

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "notif" "ietf-netconf-notifications" with ID 3 priority 0 for 1 subscribers.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: There is no instance of "/o-ran-processing-element:processing-elements/ru-elements[name='element0']/transport-flow/eth-flow/o-du-mac-address", but it is not required.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 10 priority 0 (remaining 0 subscribers).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 10 priority 0 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Session 11: thread 0 event new RPC.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 20 priority 0 for 1 subscribers.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 20 priority 0 (remaining 1 subscribers).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-uplane-conf:user-plane-configuration/tx-arrays" with ID 1.

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf" "/o-ran-uplane-conf:user-plane-configuration/tx-arrays" REQUESTED

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-uplane-conf:user-plane-configuration/rx-arrays" with ID 1.

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"
"/o-ran-uplane-conf:user-plane-configuration/rx-arrays" REQUESTED

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-uplane-conf:user-plane-configuration/relations" with ID 1.

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"
"/o-ran-uplane-conf:user-plane-configuration/relations" REQUESTED

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 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.

required.

Apr 14 05:33:39 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 05:33:39 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.

Apr 14 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/endpoint-types" with ID 1.

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"

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

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/tx-array-carriers" with ID 1.

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"

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

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/rx-array-carriers" with ID 1.

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: DATA FOR "o-ran-uplane-conf"

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

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/static-low-level-tx-endpoints" with ID 1.

Apr 14 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref ".../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref ".../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref ".../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/static-low-level-rx-endpoints" with ID 1.

Apr 14 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref "../endpoint-types/id" with the value "1", but it is not required.

Apr 14 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "operational"

"/o-ran-uplane-conf:user-plane-configuration/endpoint-capacity-sharing-groups" with ID 1.

Apr 14 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 1 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 20 priority 0 (remaining 0 subscribers).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 20 priority 0 succeeded.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

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"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: There is no leafref

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"/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 05:33:39 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 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Session 11: thread 0 event new RPC.

Apr 14 05:33:39 garuda user.notice SYNCMNGR[1183]: Received message from S-Plane

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: There is no instance of "/stli_giru-wdm:system-apps/fw_manager", but it is not required.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 4.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:edit-config" with ID 11 priority 0 for 1 subscribers.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "change" "o-ran-uplane-conf" with ID 2 priority 0 for 6 subscribers.

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: EVENT change CHANGES:

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: EVENT change CHANGES:

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: FPGA | rx-array-carriers-active : INACTIVE

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: FPGA | rx-array-carriers-absolute-frequency-center : 641667

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: FPGA | rx-array-carriers-frequency-reference-center: 0.000000

Apr 14 05:33:39 garuda user.err UPLANECONF[1194]: FPGA | rx-array-carriers-center-of-channel-bandwidth : Unsupported value !!

Apr 14 05:33:39 garuda daemon.err netopeer2-server[860]: [bad-attribute] rx-array-carriers-center-of-channel-bandwidth value should be equal to '3600000000'

Apr 14 05:33:39 garuda daemon.warn netopeer2-server[860]: Event "change" with ID 2 priority 0 failed (Operation not supported).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Published event "abort" "o-ran-uplane-conf" with ID 2 priority 0 for 4 subscribers.

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: FPGA | tx-array-carriers-active : INACTIVE

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: FPGA | tx-array-carriers-absolute-frequency-center : 641667

Apr 14 05:33:39 garuda user.notice UPLANECONF[1194]: FPGA | tx-array-carriers-frequency-reference-center: 0.000000

Apr 14 05:33:39 garuda user.err UPLANECONF[1194]: FPGA | tx-array-carriers-center-of-channel-bandwidth : Unsupported value !!

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Failed processing of "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

Apr 14 05:33:39 garuda daemon.err netopeer2-server[860]: [bad-attribute] rx-array-carriers-center-of-channel-bandwidth value should be equal to '3600000000'

Apr 14 05:33:39 garuda daemon.warn netopeer2-server[860]: Event "rpc" with ID 11 priority 0 failed (User callback failed).

Apr 14 05:33:39 garuda daemon.err netopeer2-server[860]: Failed to send an RPC (User callback failed).

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Session 11: thread 3 event new RPC.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Session 11: thread 3 event reply error.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: There is no instance of "/stli_giru-wdm:system-apps/sync_manager", but it is not required.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 5.

Apr 14 05:33:39 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 5 priority 0 (remaining 0 subscribers).

Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:33:40 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 05:33:40 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: Processing "notif" "ietf-netconf-notifications" event with ID 6.

Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: Successful processing of "notif" event with ID 6 priority 0 (remaining 0 subscribers).

Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: Session 11: thread 1 event new RPC.

Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: Session 11: thread 1 event session terminated.

Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: Generated new event (netconf-session-end).
Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: Call Home client "default-client" session terminated.
Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.
Apr 14 05:33:40 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).
Apr 14 05:33:40 garuda auth.info sshd[8420]: Accepted password for operator from 192.168.22.208 port 38098 ssh2
Apr 14 05:33:40 garuda authpriv.info sshd[8420]: pam_unix(sshd:session): session opened for user operator by (uid=0)

Expected Result : The O-RU NETCONF Sever responds with a <rpc-reply> message indicating successful completion of requested procedure.

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

```
=====
***** FAIL_REASON *****
=====
```

ERROR

error-type : application

error-tag : operation-failed

error-severity : error

path : /o-ran-uplane-conf:user-plane-configuration/rx-array-carriers[name='rxarraycarrier0']/center-of-channel-bandwidth

Description' : [bad-attribute] rx-array-carriers-center-of-channel-bandwidth value should be equal to '3600000000'

```
=====
O-RU configurability test (positive case)      =      FAIL
=====
```

```
=====
O-RU configurability test (positive case)      =      FAIL
=====
```