



**@ FILE NAME: M\_CTC\_ID\_015.txt**

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

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

**Test Description : This test validates that the O-RU can successfully perform a software download and software install procedure.**

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

**5. Software Management.**

## =====

## \*\*\*\*\* Connect to the NETCONF Server \*\*\*\*\*

=====

&gt; listen --ssh --login operator

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

The authenticity of the host '192.168.22.40' 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.

&gt; status

Current NETCONF session:

ID : 2

Host : 192.168.22.40

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&amp;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&amp;revision=2016-08-05

urn:ietf:params:xml:ns:yang:1?module=yang&amp;revision=2017-02-20

urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&amp;revision=2013-07-15

urn:ietf:params:xml:ns:yang:ietf-yang-types?module=ietf-yang-types&amp;revision=2013-07-15

urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&amp;content-id=61

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

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

urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&amp;revision=2013-09-29&amp;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&amp;revision=2011-06-01

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

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

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

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

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

urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&amp;revision=2014-08-06 urn:notification\_history?module=notification\_history

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

=====

&gt; subscribe

=====

Ok

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---

## Initial Get Filter

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---

```
> get --filter-xpath /o-ran-software-management:software-inventory
```

---

```
<?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">
  <software-inventory xmlns="urn:o-ran:software-management:1.0">
    <software-slot>
      <name>swSlot1</name>
      <status>VALID</status>
      <active>false</active>
      <running>false</running>
      <access>READ_WRITE</access>
      <product-code>STL=O-RU</product-code>
      <vendor-code>VN</vendor-code>
      <build-id>factory_img</build-id>
      <build-name>Beta Release</build-name>
      <build-version>4.2.0</build-version>
      <files>
        <name>boot</name>
        <version>1.0.0</version>
        <local-path>/media/sd-mmcb1k0p1/BOOT0001.BIN</local-path>
        <integrity>OK</integrity>
      </files>
      <files>
        <name>kernel</name>
        <version>1.0.0</version>
        <local-path>/media/sd-mmcb1k0p1/image0001.ub</local-path>
        <integrity>OK</integrity>
      </files>
      <files>
        <name>rootfs</name>
        <version>1.0.0</version>
        <local-path>/media/sd-mmcb1k0p2/</local-path>
        <integrity>OK</integrity>
      </files>
    </software-slot>
    <software-slot>
      <name>swSlot2</name>
      <status>VALID</status>
      <active>true</active>
      <running>true</running>
      <access>READ_WRITE</access>
      <product-code>STL O-RU</product-code>
```

```
<vendor-code>VN</vendor-code>
<build-id>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/BOOT0002.BIN</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/image0002.ub</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>rootfs</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p3/</local-path>
  <integrity>OK</integrity>
</files>
</software-slot>
<software-slot>
  <name>swRecoverySlot</name>
  <status>VALID</status>
  <active>false</active>
  <running>false</running>
  <access>READ_ONLY</access>
  <product-code>STL=O-RU</product-code>
  <vendor-code>VN</vendor-code>
  <build-id>factory_img</build-id>
  <build-name>Beta Release</build-name>
  <build-version>1.3.4</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-mmcbk0p1/golden.ub</local-path>
<integrity>OK</integrity>
</files>
</software-slot>
</software-inventory>
</data>
```

## Step 1 : TER NETCONF Client triggers <rpc><software-download>

> user-rpc

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

```
<software-download xmlns="urn:o-ran:software-management:1.0">
<remote-file-path>sftp://vvdn@192.168.22.208:22/home/vvdn/Downloads/Garuda_Images/giru_RevAll_5.0.4.zip</remote-file-path>
<password>
<password>vvdntech</password>
</password>
<server>
<keys>
<algorithm>secp256r1</algorithm>
<public-key>AAAAB3NzaC1yc2EAAAADAQABAAQCAQC0EVfAv8MI4ZsCWkGxxv36AwwOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dG
jERFEq2YZCnaX4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4c6
2h6I9O/wt2hq8RMAC8PT1JAeVebyllrKbcI5g3N2NI6D8OGD0Coick7iczIlor/9ylshjdgIQdi8Bxnq9NhZD0zA2WvQI9eytlvut/uA6KWaiwF9C+O
C7Fhlf1O7jDoYXvZUIQa90c0EG4O962JB3SYxWchl4gYxmr6zAtu3TT4j</public-key>
</keys>
</server>
</software-download>
```

\*\*\*\*\* RPC Reply \*\*\*\*\*

```
<nc:rpc-reply xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="urn:uuid:9dadf204-c3c8-412c-9679-9cc4ec1a3eb8"><status
xmlns="urn:o-ran:software-management:1.0">STARTED</status><notification-timeout
xmlns="urn:o-ran:software-management:1.0">30</notification-timeout></nc:rpc-reply>
```

=====

**Step 2 : O-RU NETCONF Server sends <notification><download-event> with status COMPLETED to TER NETCONF Client**

=====

```
<?xml version="1.0" ?>
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2027-04-14T05:32:25Z</eventTime>
  <download-event xmlns="urn:o-ran:software-management:1.0">
    <file-name>giru_RevAll_5.0.4.zip</file-name>
    <status>COMPLETED</status>
  </download-event>
</notification>
```

=====

**Step 3 : TER NETCONF Client triggers <rpc><software-install> Slot must have attributes active = FALSE, running = FALSE.**

=====

=====

SR_NO	Slot_Name	Active	Running
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=====

1	swSlot1	= false	false
2	swSlot2	= true	true

=====

**> user-rpc**

=====

=====

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

=====

```
<software-install xmlns="urn:o-ran:software-management:1.0">
  <slot-name>swSlot1</slot-name>
  <file-names>/home/vvvn/Downloads/garuda_image/garuda/giru_RevAll_5.1.2.zip</file-names>
</software-install>
```

=====

**\*\*\*\*\* RPC Reply \*\*\*\*\***

=====

```
<nc:rpc-reply xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="urn:uuid:fc0600af-dd3c-4758-8404-e2221feb5c6a"><status
xmlns="urn:o-ran:software-management:1.0">STARTED</status></nc:rpc-reply>
```

=====

**Step 4 : O-RU NETCONF Server sends <notification><install-event> with status INTEGRITY ERROR or FILE ERROR**

=====

```
<?xml version="1.0" ?>
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2027-04-14T05:32:32Z</eventTime>
  <install-event xmlns="urn:o-ran:software-management:1.0">
    <slot-name>swSlot1</slot-name>
    <status>APPLICATION_ERROR</status>
    <error-message>Given build already exists in slot 2
  </error-message>
  </install-event>
</notification>
```

## =====

**##### SYSTEM LOGS #####**

=====

Apr 14 05:32:14 garuda daemon.info netopeer2-server[1186]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:14 garuda daemon.info netopeer2-server[1186]: getsockopt() error (Connection refused).

Apr 14 05:32:15 garuda daemon.info netopeer2-server[1186]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:15 garuda daemon.info netopeer2-server[1186]: getsockopt() error (Connection refused).

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Session 108 (user "root", CID 81) created.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: User "operator" authenticated.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Call Home client "default-client" session 2 established.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Session 109 (user "root", CID 81) created.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Generated new event (netconf-session-start).

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Published event "rpc" "/ietf-netconf:get" with ID 2 priority 0 for 1 subscribers.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Processing "/ietf-netconf:get" "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Successful processing of "rpc" event with ID 2 priority 0 (remaining 0 subscribers).

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Event "rpc" with ID 2 priority 0 succeeded.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[1186]: Session 2: thread 0 event new RPC.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Published event "rpc" "/ietf-netconf:get" with ID 3 priority 0 for 1 subscribers.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Processing "/ietf-netconf:get" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 2.

Apr 14 05:32:17 garuda user.notice fw\_manager[1261]: RPC #2 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Event "operational" with ID 2 succeeded.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Successful processing of "rpc" event with ID 3 priority 0 (remaining 0 subscribers).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Event "rpc" with ID 3 priority 0 succeeded.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Session 2: thread 0 event new RPC.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Published event "rpc" "/ietf-netconf:get-config" with ID 1 priority 0 for 1 subscribers.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Processing "/ietf-netconf:get-config" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Event "rpc" with ID 1 priority 0 succeeded.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: 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 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Session 2: thread 1 event new RPC.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Published event "rpc" "/notifications:create-subscription" with ID 1 priority 0 for 1 subscribers.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Processing "/notifications:create-subscription" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Event "rpc" with ID 1 priority 0 succeeded.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Session 2: thread 1 event new RPC.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Published event "rpc" "/ietf-netconf:get" with ID 4 priority 0 for 1 subscribers.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Processing "/ietf-netconf:get" "rpc" event with ID 4 priority 0 (remaining 1 subscribers).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[1186]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 3.

Apr 14 05:32:17 garuda user.notice fw\_manager[1261]: RPC #3 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Event "operational" with ID 3 succeeded.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: 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 05:32:18 garuda daemon.info netopeer2-server[1186]: 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 05:32:18 garuda daemon.info netopeer2-server[1186]: 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 05:32:18 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Successful processing of "rpc" event with ID 4 priority 0 (remaining 0 subscribers).

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Event "rpc" with ID 4 priority 0 succeeded.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: 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 05:32:18 garuda daemon.info netopeer2-server[1186]: 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 05:32:18 garuda daemon.info netopeer2-server[1186]: 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 05:32:18 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Session 2: thread 3 event new RPC.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Published event "rpc" "/o-ran-software-management:software-download" with ID 1 priority 0 for 1 subscribers.

Apr 14 05:32:18 garuda user.notice fw\_manager[1261]: RPC #1 recieved. xpath -> /o-ran-software-management:software-download

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Event "rpc" with ID 1 priority 0 succeeded.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[1186]: Session 2: thread 4 event new RPC.

Apr 14 05:32:18 garuda user.notice SYNCMNGR[1501]: Received message from S-Plane

Apr 14 05:32:24 garuda user.notice fw\_manager[1261]: Function isDownloadCompleted setting error code 0

Apr 14 05:32:25 garuda daemon.info netopeer2-server[1186]: Processing "notif" "o-ran-software-management" event with ID 1.

Apr 14 05:32:25 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:32:25 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:25 garuda daemon.info netopeer2-server[1186]: Must condition "/software-inventory/software-slot[name = current()][active = 'false' and running = 'false']" not satisfied, but it is not required.

Apr 14 05:32:25 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:25 garuda daemon.info netopeer2-server[1186]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 4.

Apr 14 05:32:25 garuda user.notice fw\_manager[1261]: RPC #4 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Event "operational" with ID 4 succeeded.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: 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 05:32:26 garuda daemon.info netopeer2-server[1186]: 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 05:32:26 garuda daemon.info netopeer2-server[1186]: 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 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Published event "rpc" "/o-ran-software-management:software-install" with ID 1 priority 0 for 1 subscribers.

Apr 14 05:32:26 garuda user.notice fw\_manager[1261]: RPC #1 recieved. xpath -> /o-ran-software-management:software-install

Apr 14 05:32:26 garuda user.notice fw\_manager[1261]: swSlot1 selected

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Event "rpc" with ID 1 priority 0 succeeded.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Session 2: thread 4 event new RPC.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/fw\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/nw\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/operations\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/pm\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 4.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/um\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 5.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 5 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/sys\_monitor", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 6.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 6 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/fault\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 7.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 7 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/file\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 8.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 8 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/supervision", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 9.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 9 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/sync\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 10.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 10 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/log\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 11.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 11 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/radio\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 12.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 12 priority 0 (remaining 0 subscribers).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/log\_manager", but it is not required.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 13.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 13 priority 0 (remaining 0 subscribers).

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/fault\_manager", but it is not required.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 14.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 14 priority 0 (remaining 0 subscribers).

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/file\_manager", but it is not required.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 15.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 15 priority 0 (remaining 0 subscribers).

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/pm\_manager", but it is not required.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 16.

Apr 14 05:32:27 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 16 priority 0 (remaining 0 subscribers).

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/supervision", but it is not required.

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 17.

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 17 priority 0 (remaining 0 subscribers).

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/nw\_manager", but it is not required.

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 18.

Apr 14 05:32:28 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 18 priority 0 (remaining 0 subscribers).

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/radio\_manager", but it is not required.

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 19.

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 19 priority 0 (remaining 0 subscribers).

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...



Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/um\_manager", but it is not required.

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 20.

Apr 14 05:32:29 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 20 priority 0 (remaining 0 subscribers).

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/sys\_monitor", but it is not required.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 21.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 21 priority 0 (remaining 0 subscribers).

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/fw\_manager", but it is not required.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 22.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 22 priority 0 (remaining 0 subscribers).

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/sync\_manager", but it is not required.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 23.

Apr 14 05:32:30 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 23 priority 0 (remaining 0 subscribers).

Apr 14 05:32:31 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:31 garuda daemon.info netopeer2-server[1186]: There is no instance of "/stli\_giru-wdm:system-apps/operations\_manager", but it is not required.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 24.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 24 priority 0 (remaining 0 subscribers).

Apr 14 05:32:32 garuda user.notice SYNCMNGR[1501]: Received message from S-Plane

Apr 14 05:32:32 garuda user.err fw\_manager[1261]: swInstall failed :Reason: Given build already exists in slot 2

Apr 14 05:32:32 garuda user.notice fw\_manager[1261]: RPC #5 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:32:32 garuda user.err FAULT MANAGER[1200]: sendData : Source ID: 17

Apr 14 05:32:32 garuda user.err FAULT MANAGER[1200]: sendData : Fault ID: 23

Apr 14 05:32:32 garuda user.err FAULT MANAGER[1200]: sendData : FAULT\_IS\_CLEARED: FALSE

Apr 14 05:32:32 garuda user.err FAULT MANAGER[1200]: sendData : FAULT\_SEVERITY: 2

Apr 14 05:32:32 garuda user.err FAULT MANAGER[1200]: sendData : FAULT\_TIME: 2027-04-14T05:32:32Z

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: There is no instance of  
"/notification\_history:history/module-notification[module-name='Intialization Fault']", but it is not required.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: There is no instance of  
"/notification\_history:history/module-notification[module-name='Intialization Fault']/module-name", but it is not required.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 25.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 25 priority 0 (remaining 0 subscribers).

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: There is no instance of "/notification\_history:history/module-notification[module-name='Initialization Fault']/notif-error", but it is not required.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 26.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 26 priority 0 (remaining 0 subscribers).

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: There is no instance of "/notification\_history:history/module-notification[module-name='Initialization Fault']/alert", but it is not required.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 27.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 27 priority 0 (remaining 0 subscribers).

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: There is no instance of "/notification\_history:history/module-notification[module-name='Initialization Fault']/epochtime", but it is not required.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Processing "notif" "ietf-netconf-notifications" event with ID 28.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 28 priority 0 (remaining 0 subscribers).

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Processing "notif" "o-ran-fm" event with ID 1.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: There is no leafref "/software-inventory/software-slot/name" with the value "swSlot1", but it is not required.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: All data nodes and constraints resolved.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Processing "notif" "o-ran-software-management" event with ID 2.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[1186]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Apr 14 05:32:38 garuda daemon.info netopeer2-server[1186]: Session 2: thread 2 event new RPC.

Apr 14 05:32:38 garuda daemon.info netopeer2-server[1186]: Session 2: thread 2 event session terminated.

Apr 14 05:32:38 garuda daemon.info netopeer2-server[1186]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:32:38 garuda daemon.info netopeer2-server[1186]: Generated new event (netconf-session-end).

Apr 14 05:32:38 garuda daemon.info netopeer2-server[1186]: Call Home client "default-client" session terminated.

Apr 14 05:32:38 garuda daemon.info netopeer2-server[1186]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:38 garuda daemon.info netopeer2-server[1186]: getsockopt() error (Connection refused).

Apr 14 05:32:38 garuda auth.info sshd[6640]: Accepted password for operator from 192.168.22.208 port 40056 ssh2

Apr 14 05:32:38 garuda authpriv.info sshd[6640]: pam\_unix(sshd:session): session opened for user operator by (uid=0)

**Expected Result : The O-RU NETCONF Server determines that the software file is invalid and sends <notification><install event><status> to the TER NETCONF Client. The Field <status> is correctly updated with one of the following status: FILE\_ERROR or INTEGRITY\_ERROR.**

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

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\*\*\*\*\* FAIL\_REASON \*\*\*\*\*

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APPLICATION\_ERROR

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<b>O-RU Software Update (negative case)</b>	<b>=</b>	<b>FAIL</b>
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