@ FILE NAME: M_CTC_ID_015.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda_RevD: v5.0.2

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 ***********
===

> connect --ssh --host 192.168.4.40 --port 830 --login operator

       Interactive SSH Authentication

       Type your password:

       Password:

       > status

       Current NETCONF session:

       ID   : 59

       Host   : 192.168.4.40

       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&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

==

Initial Get Filter

==

===

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

===

```xml
<?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>90f0b6c</build-id>
   <build-name>Beta Release</build-name>
   <build-version>5.0.1</build-version>
   <files>
    <name>boot</name>
    <version>1.0.0</version>
    <local-path>/media/sd-mmcblk0p1/BOOT0001.BIN</local-path>
    <integrity>OK</integrity>
   </files>
   <files>
    <name>kernel</name>
    <version>1.0.0</version>
    <local-path>/media/sd-mmcblk0p1/image0001.ub</local-path>
    <integrity>OK</integrity>
   </files>
   <files>
    <name>rootfs</name>
    <version>1.0.0</version>
    <local-path>/media/sd-mmcblk0p2/</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>
```

```xml
<vendor-code>VN</vendor-code>
<build-id>90f0b6c</build-id>
<build-name>Beta Release</build-name>
<build-version>5.0.2</build-version>
<files>
 <name>boot</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p1/BOOT0002.BIN</local-path>
 <integrity>OK</integrity>
</files>
<files>
 <name>kernel</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p1/image0002.ub</local-path>
 <integrity>OK</integrity>
</files>
<files>
 <name>rootfs</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p3/</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>5.0.0</build-version>
 <files>
  <name>boot</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/BOOT0003.BIN</local-path>
  <integrity>OK</integrity>
 </files>
 <files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/golden.ub</local-path>
  <integrity>OK</integrity>
 </files>
 <files>
  <name>rootfs</name>
  <version>1.0.0</version>
```

<local-path>/media/sd-mmcblk0p1/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@192.168.4.15:22/home/vvdn/Downloads/garuda_image/garuda/Corrupt_5.0.2.zip</remote-file-path>
<password>
<password>vvdntech</password>
</password>
<server>
<keys>
<algorithm>secp256r1</algorithm>
<public-key>AAAAB3NzaC1yc2EAAAADAQABAAABAQDec3KRv/wVHKzQqs1k4hZQUGns52IZKQZmncEyR37mFGUK08FTBHSWXzu1
sSwkO7ZeW4zeMAOGNzADveiiwJWweZRn9/Yu/zSI22+j64kfoI7/+VoeSqazHFi/Xw03eHHAxPG7w474Ut1KOO6Mwh19xVy9S8rTwokYfPp
1NhUdAIusMsF6WMSV40bTFQVMMJTqrGlNY3r9AfXaoUWhSpG0hmCoQLbYAf3wRNKydUZE0s8zoKgnszBJ28a+UvPTPz9jdX87yQ1hW
GGr9Vhx6cH1TlHF3fe5iGZdbnJoZYaA/EYJUIwOZfD9DbdgAH/14aYSUiNvo8oSqod/2iz+0tMR</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:619b4611-c38a-4ecf-a904-0bd1f6436131"><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>2022-08-19T12:41:50Z</eventTime>
 <download-event xmlns="urn:o-ran:software-management:1.0">
  <file-name>Corrupt_5.0.2.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.

==

==

> user-rpc

==

==

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

==

```
<software-install xmlns="urn:o-ran:software-management:1.0">
<slot-name>swSlot1</slot-name>
<file-names>/home/vvdn/Downloads/garuda_image/garuda/Corrupt_5.0.2.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:eb4db323-e7c4-436f-9437-ea72216038e0"><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
<?xml version="1.0" ?>
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
 <eventTime>2022-08-19T12:41:57Z</eventTime>
 <install-event xmlns="urn:o-ran:software-management:1.0">
  <slot-name>swSlot1</slot-name>
  <status>INTEGRITY_ERROR</status>
  <error-message>md5sum mismatch</error-message>
 </install-event>
</notification>
```

===
POST GET AFTER INSTALL SW
===

==

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

```xml
<?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>90f0b6c</build-id>
   <build-name>Beta Release</build-name>
   <build-version>5.0.1</build-version>
   <files>
    <name>boot</name>
    <version>1.0.0</version>
    <local-path>/media/sd-mmcblk0p1/BOOT0001.BIN</local-path>
    <integrity>OK</integrity>
   </files>
   <files>
    <name>kernel</name>
    <version>1.0.0</version>
    <local-path>/media/sd-mmcblk0p1/image0001.ub</local-path>
    <integrity>OK</integrity>
   </files>
```

```
<files>
 <name>rootfs</name>
 <version>1.0.0</version>
 <local-path>/media/sd-mmcblk0p2/</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>5.0.2</build-version>
 <files>
  <name>boot</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/BOOT0002.BIN</local-path>
  <integrity>OK</integrity>
 </files>
 <files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/image0002.ub</local-path>
  <integrity>OK</integrity>
 </files>
 <files>
  <name>rootfs</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p3/</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>5.0.0</build-version>
 <files>
```

```
  <name>boot</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/BOOT0003.BIN</local-path>
  <integrity>OK</integrity>
  </files>
  <files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/golden.ub</local-path>
  <integrity>OK</integrity>
  </files>
  <files>
  <name>rootfs</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/golden.ub</local-path>
  <integrity>OK</integrity>
  </files>
  </software-slot>
 </software-inventory>
</data>
```

```
============================================================================
   ############ SYSTEM LOGS #############
============================================================================
```
Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Published event "rpc" "/notifications:create-subscription" with ID 12 priority 0 for 1 subscribers.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Processing "/notifications:create-subscription" "rpc" event with ID 12 priority 0 (remaining 1 subscribers).

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Successful processing of "rpc" event with ID 12 priority 0 (remaining 0 subscribers).

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Event "rpc" with ID 12 priority 0 succeeded.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Session 59: thread 1 event new RPC.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Published event "rpc" "/ietf-netconf:get" with ID 711 priority 0 for 1 subscribers.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Processing "/ietf-netconf:get" "rpc" event with ID 711 priority 0 (remaining 1 subscribers).

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 15.

Aug 19 12:41:42 garuda user.notice fw_manager[930]: RPC #15 recieved. xpath -> /o-ran-software-management:software-inventory

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Event "operational" with ID 15 succeeded.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Successful processing of "rpc" event with ID 711 priority 0 (remaining 0 subscribers).

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Event "rpc" with ID 711 priority 0 succeeded.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Session 59: thread 0 event new RPC.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Published event "rpc" "/o-ran-software-management:software-download" with ID 1 priority 0 for 1 subscribers.

Aug 19 12:41:42 garuda user.notice fw_manager[930]: RPC #1 recieved. xpath -> /o-ran-software-management:software-download

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Event "rpc" with ID 1 priority 0 succeeded.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:42 garuda daemon.info netopeer2-server[853]: Session 59: thread 3 event new RPC.

Aug 19 12:41:43 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:43 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:43 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:43 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:44 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:44 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:44 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:44 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:45 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:45 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:45 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:45 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:46 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:46 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:46 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:46 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:47 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:47 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:47 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:47 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:48 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:48 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:48 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:48 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:48 garuda user.notice fw_manager[930]: Function isDownloadCompleted setting error code 0

Aug 19 12:41:49 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:49 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:49 garuda user.notice SYNCMNGR[1176]: Received message from S-Plane

Aug 19 12:41:49 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:49 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Processing "notif" "o-ran-software-management" event with ID 1.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Must condition "/software-inventory/software-slot[name = current()][active = 'false'

and running = 'false']" not satisfied, but it is not required.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 16.

Aug 19 12:41:50 garuda user.notice fw_manager[930]: RPC #16 recieved. xpath -> /o-ran-software-management:software-inventory

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Event "operational" with ID 16 succeeded.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Published event "rpc" "/o-ran-software-management:software-install" with ID 1 priority 0 for 1 subscribers.

Aug 19 12:41:50 garuda user.notice fw_manager[930]: RPC #1 recieved. xpath -> /o-ran-software-management:software-install

Aug 19 12:41:50 garuda user.notice fw_manager[930]: swSlot1 selected

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Event "rpc" with ID 1 priority 0 succeeded.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:50 garuda daemon.info netopeer2-server[853]: Session 59: thread 1 event new RPC.

Aug 19 12:41:51 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:51 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:51 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:51 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:52 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:52 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:52 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:52 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:53 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:53 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:53 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:53 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:54 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:54 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:54 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:54 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:55 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:55 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:55 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:55 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:56 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:56 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:56 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:56 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/fw_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/nw_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/operations_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/pm_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 4.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/um_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 5.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 5 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/sys_monitor", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 6.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 6 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/fault_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 7.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 7 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/file_manager", but it is not

required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 8.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 8 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/supervision", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 9.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 9 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/sync_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 10.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 10 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/log_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 11.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 11 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/radio_manager", but it is not required.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 12.

Aug 19 12:41:57 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 12 priority 0 (remaining 0 subscribers).

Aug 19 12:41:57 garuda user.err fw_manager[930]: swInstall failed :Reason: md5sum mismatch

Aug 19 12:41:57 garuda user.notice fw_manager[930]: RPC #17 recieved. xpath -> /o-ran-software-management:software-inventory

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:58 garuda user.err FAULT MANAGER[868]: sendData : Source ID: 17

Aug 19 12:41:58 garuda user.err FAULT MANAGER[868]: sendData : Fault ID: 23

Aug 19 12:41:58 garuda user.err FAULT MANAGER[868]: sendData : FAULT_IS_CLEARED: FALSE

Aug 19 12:41:58 garuda user.err FAULT MANAGER[868]: sendData : FAULT_SEVERITY: 2

Aug 19 12:41:58 garuda user.err FAULT MANAGER[868]: sendData : FAULT_TIME: 2022-08-19T12:41:58Z

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There is no instance of
"/notification_history:history/module-notification[module-name='Intialization Fault']", but it is not required.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There is no instance of
"/notification_history:history/module-notification[module-name='Intialization Fault']/module-name", but it is not required.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 13.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 13 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There is no instance of

"/notification_history:history/module-notification[module-name='Intialization Fault']/notif-error", but it is not required.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 14.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 14 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There is no instance of

"/notification_history:history/module-notification[module-name='Intialization Fault']/alert", but it is not required.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 15.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 15 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "notif" "o-ran-fm" event with ID 1.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There is no instance of

"/notification_history:history/module-notification[module-name='Intialization Fault']/epochtime", but it is not required.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 16.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 16 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/pm_manager", but it is not required.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 17.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 17 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There is no leafref "/software-inventory/software-slot/name" with the value "swSlot1", but it is not required.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "notif" "o-ran-software-management" event with ID 2.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Published event "rpc" "/ietf-netconf:get" with ID 712 priority 0 for 1 subscribers.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "/ietf-netconf:get" "rpc" event with ID 712 priority 0 (remaining 1 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 18.

Aug 19 12:41:58 garuda user.notice fw_manager[930]: RPC #18 recieved. xpath -> /o-ran-software-management:software-inventory

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There is no instance of "/stli_giru-wdm:system-apps/fault_manager", but it is not required.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Processing "notif" "ietf-netconf-notifications" event with ID 18.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "notif" event with ID 18 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Event "operational" with ID 18 succeeded.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Successful processing of "rpc" event with ID 712 priority 0 (remaining 0 subscribers).

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Event "rpc" with ID 712 priority 0 succeeded.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Resolving unresolved data nodes and their constraints...

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: 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.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: All data nodes and constraints resolved.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Session 59: thread 4 event new RPC.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Session 59: thread 2 event new RPC.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Session 59: thread 2 event session terminated.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: There are no subscribers for "ietf-netconf-notifications" notifications.

Aug 19 12:41:58 garuda daemon.info netopeer2-server[853]: Generated new event (netconf-session-end).

Aug 19 12:41:59 garuda authpriv.debug sshd[20808]: pam_unix(sshd:account): account operator has password changed in future

Aug 19 12:41:59 garuda auth.info sshd[20808]: Accepted password for operator from 192.168.4.15 port 36292 ssh2

Aug 19 12:41:59 garuda authpriv.info sshd[20808]: pam_unix(sshd:session): session opened for user operator by (uid=0)

Aug 19 12:41:59 garuda daemon.info netopeer2-server[853]: Trying to connect via IPv4 to 192.168.4.15:4334.

Aug 19 12:41:59 garuda daemon.info netopeer2-server[853]: getsockopt() error (Connection refused).

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.

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


========================================================================
O-RU Software Update (negative case)            =          SUCCESS

========================================================================
```