



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

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for LPRU: v1.1.0

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.



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

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> connect --ssh --host 192.168.214.37 --port 830 --login operator

Interactive SSH Authentication

Type your password:

Password:

> status

Current NETCONF session:

ID : 12

Host : 192.168.214.37

Port: 830 Transport: SSH Capabilities:

urn:ietf:params:netconf:base:1.0 urn:ietf:params:netconf:base:1.1 urn:ietf:params:netconf:capability:writable-running:1.0

urn:ietf:params:netconf:capability:candidate:1.0 urn:ietf:params:netconf:capability:rollback-on-error:1.0

urn:ietf:params:netconf:capability:validate:1.1 urn:ietf:params:netconf:capability:startup:1.0 urn:ietf:params:netconf:capability: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 = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = ietf-netconf & revision

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



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### **Initial Get Filter**

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

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```
<?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>
 cproduct-code>VVDN O-RU
 <vendor-code>VN</vendor-code>
 <build-id>90f0b6c</build-id>
 <build-name>Beta Release</build-name>
 <build-version>1.0.9</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>

cproduct-code>VVDN O-RU



```
<vendor-code>VN</vendor-code>
<build-id>90f0b6c</build-id>
<build-name>Beta Release</build-name>
<build-version>1.1.0</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>
cproduct-code>VVDN=O-RU
<vendor-code>VN</vendor-code>
<build-id>factory_img</build-id>
<build-name>Beta Release</build-name>
<build-version>1.0.9</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>
Step 1 : TER NETCONF Client triggers <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
> user-rpc
=======================================
****** Replace with below xml *******
<pre><software-download xmlns="urn:o-ran:software-management:1.0"></software-download></pre>
<pre><remote-file-path>sftp://vvdn@192.168.214.234:22/home/vvdn/Downloads/LPRU_currupt.zip</remote-file-path></pre>
<pre><password></password></pre>
<pre><password>vvdntech</password></pre>
<server></server>
<keys></keys>
<algorithm>secp256r1</algorithm>
< public-key> AAAAB3NzaC1yc2EAAAADAQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaAbaQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaAbaQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaAbAQAAbaAbAQAABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaaAbaAbAQAAbaAAbaAQAAbaAAbAQAAbaAAbAQAAbaAAbAQAAbaAAbAQAAbaAAbAAAbA
jERFEq2YZCnaX4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGhyU2
2h6I9O/wt2hq8RMAC8PT1JAeVebylIrKbcI5g3N2NI6D8OGD0Coick7iczIlor/9ylshjdgiQdi8Bxnq9NhzD0zA2WvQI9eytlvut/uA6KWaiwF9C+1000000000000000000000000000000000000
C7FhIf1O7jDoYXvZUlQa90c0EG4O962JB3SYxWchl4gYxmr6zAtu3TT4j
=======================================
****** RPC Reply *******
<pre></pre>
xmlns="urn:o-ran:software-management:1.0">STARTED <notification-timeout< td=""></notification-timeout<>
xmlns="urn:o-ran:software-management:1.0">30



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# 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>2000-11-04T00:28:58Z</eventTime> <download-event xmlns="urn:o-ran:software-management:1.0"> <file-name>LPRU\_currupt.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** 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/vvdn/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:240f3900-8836-4881-8562-686525ff976f"><status xmlns="urn:o-ran:software-management:1.0">STARTED</status></nc:rpc-reply>



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

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```
<?xml version="1.0" ?>
```

- <notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
- <eventTime>2000-11-04T00:29:05Z</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>



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### POST GET AFTER INSTALL SW

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

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```
<?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>
 cproduct-code>VVDN O-RU
 <vendor-code>VN</vendor-code>
 <build-id>90f0b6c</build-id>
 <build-name>Beta Release</build-name>
 <build-version>1.0.9</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>
```

cproduct-code>VVDN O-RU



<vendor-code>VN</vendor-code> <build-id>90f0b6c</build-id> <build-name>Beta Release</build-name> <build-version>1.1.0</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> cproduct-code>VVDN=O-RU <vendor-code>VN</vendor-code> <build-id>factory\_img</build-id> <build-name>Beta Release</build-name> <build-version>1.0.9</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>





- $<\!local\text{-}path\!\!>\!\!/media/sd\text{-}mmcblk0p1/golden.ub}\!<\!\!/local\text{-}path\!\!>$
- <integrity>OK</integrity>
- </files>
- </software-slot>
- </software-inventory>
- </data>



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#### 

- Nov 4 00:28:47 vvdn\_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.214.234:4334.
- Nov 4 00:28:47 vvdn lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
- Nov 4 00:28:48 vvdn lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.214.234:4334.
- Nov 4 00:28:48 vvdn\_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.214.234:4334.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Successfully connected to 192.168.214.234:4334 over IPv4.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Session 206 (user "root", CID 1) created.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: User "operator" authenticated.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-channel-open" of subtype "session".
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-channel" of subtype "subsystem".
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Call Home client "default-client" session 12 established.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Session 207 (user "root", CID 1) created.
- Nov 4 00:28:49 vvdn lpru daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Generated new event (netconf-session-start).
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 18 priority 0 for 1 subscribers.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 18 priority 0 (remaining 1 subscribers).
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 18 priority 0 (remaining 0 subscribers).
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 18 priority 0 succeeded.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 3 event new RPC.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...
- Nov 400:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.
- $Nov\ \ 4\ 00:28:49\ vvdn\_lpru\ daemon. info\ net opeer 2-server [858]: Published\ event\ "rpc"\ "/ietf-net conf:get"\ with\ ID\ 19\ priority\ 0\ for\ 1\ subscribers.$
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 19 priority 0 (remaining 1 subscribers).
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 8.
- Nov 4 00:28:49 vvdn\_lpru user.notice fw\_manager[929]: RPC #8 recieved. xpath -> /o-ran-software-management:software-inventory
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Event "operational" with ID 8 succeeded.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref
- "/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "VVDN O-RU", but it is not required.
- Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref
- "/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "VVDN O-RU", but it is not required.



Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 19 priority 0 (remaining 0 subscribers).

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 19 priority 0 succeeded.

Nov 4 00:28:49 vvdn lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:49 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 2 event new RPC.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get-config" with ID 17 priority 0 for 1 subscribers.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get-config" "rpc" event with ID 17 priority 0 (remaining 1 subscribers).

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 17 priority 0 (remaining 0 subscribers).

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 17 priority 0 succeeded.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 0 event new RPC.

 $Nov\ \ 4\ 00:28:50\ vvdn\_lpru\ daemon. info\ net opeer 2-server [858]:\ Resolving\ unresolved\ data\ nodes\ and\ their\ constraints...$ 

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/notifications:create-subscription" with ID 9 priority 0 for 1 subscribers.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/notifications:create-subscription" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 9 priority 0 succeeded.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 2 event new RPC.



Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 20 priority 0 for 1 subscribers.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 20 priority 0 (remaining 1 subscribers).

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 9.

Nov 4 00:28:50 vvdn\_lpru user.notice fw\_manager[929]: RPC #9 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Event "operational" with ID 9 succeeded.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:50 vvdn lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 20 priority 0 (remaining 0 subscribers).

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 20 priority 0 succeeded.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov  $4\,00:28:50\,vvdn\_lpru$  daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 2 event new RPC.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/o-ran-software-management:software-download" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:28:50 vvdn\_lpru user.notice fw\_manager[929]: RPC #1 recieved. xpath -> /o-ran-software-management:software-download

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 1 priority 0 succeeded.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:50 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 0 event new RPC.

Nov 4 00:28:57 vvdn\_lpru user.notice fw\_manager[929]: Function isDownloadCompleted setting error code 0

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "notif" "o-ran-software-management" event with ID 1.

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...



Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Must condition "/software-inventory/software-slot[name = current()][active = 'false' and running = 'false']" not satisfied, but it is not required.

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 10.

Nov 4 00:28:58 vvdn\_lpru user.notice fw\_manager[929]: RPC #10 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:28:58 vvdn lpru daemon.info netopeer2-server[858]: Event "operational" with ID 10 succeeded.

Nov 4 00:28:58 vvdn lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/o-ran-software-management:software-install" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:28:58 vvdn\_lpru user.notice fw\_manager[929]: RPC #1 recieved. xpath -> /o-ran-software-management:software-install

Nov 4 00:28:58 vvdn\_lpru user.notice fw\_manager[929]: swSlot1 selected

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 1 priority 0 succeeded.

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 400:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:58 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 0 event new RPC.

Nov 4 00:28:59 vvdn\_lpru user.notice SYNCMNGR[1175]: Received message from S-Plane

Nov 4 00:29:05 vvdn\_lpru user.err fw\_manager[929]: swInstall failed :Reason: md5sum mismatch

Nov 4 00:29:05 vvdn\_lpru user.notice fw\_manager[929]: RPC #11 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:29:06 vvdn\_lpru user.err FAULT MANAGER[873]: sendData : Source ID: 17

Nov 4 00:29:06 vvdn\_lpru user.err FAULT MANAGER[873]: sendData : Fault ID: 23

Nov 4 00:29:06 vvdn\_lpru user.err FAULT MANAGER[873]: sendData : FAULT\_IS\_CLEARED: FALSE

Nov 4 00:29:06 vvdn\_lpru user.err FAULT MANAGER[873]: sendData : FAULT\_SEVERITY: 2

Nov 4 00:29:06 vvdn\_lpru user.err FAULT MANAGER[873]: sendData : FAULT\_TIME: 2000-11-04T00:29:06Z

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no instance of

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no instance of

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no instance of

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).



Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no instance of

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "notif" "o-ran-fm" event with ID 1.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no instance of

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 4.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref "/software-inventory/software-slot/name" with the value "swSlot1", but it is not required.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "notif" "o-ran-software-management" event with ID 2.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 21 priority 0 for 1 subscribers.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 21 priority 0 (remaining 1 subscribers).

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 12.

Nov 4 00:29:06 vvdn\_lpru user.notice fw\_manager[929]: RPC #12 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Event "operational" with ID 12 succeeded.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 21 priority 0 (remaining 0 subscribers).

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 21 priority 0 succeeded.

Nov 4 00:29:06 vvdn lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...



Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:29:06 vvdn\_lpru daemon.info netopeer2-server[858]: There is no leafref

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

Nov 4 00:29:06 vvdn lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:29:06 vvdn lpru daemon.info netopeer2-server[858]: Session 12: thread 4 event new RPC.

Nov 4 00:29:11 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 1 event new RPC.

Nov 4 00:29:11 vvdn\_lpru daemon.info netopeer2-server[858]: Session 12: thread 1 event session terminated.

Nov 4 00:29:11 vvdn\_lpru daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:29:11 vvdn\_lpru daemon.info netopeer2-server[858]: Generated new event (netconf-session-end).

Nov 4 00:29:11 vvdn\_lpru daemon.info netopeer2-server[858]: Call Home client "default-client" session terminated.

Nov 4 00:29:11 vvdn\_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.214.234:4334.

Nov 4 00:29:11 vvdn\_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:29:11 vvdn\_lpru authpriv.debug sshd[23362]: pam\_unix(sshd:account): account operator has password changed in future

Nov 4 00:29:11 vvdn\_lpru auth.info sshd[23362]: Accepted password for operator from 192.168.214.234 port 57256 ssh2

Nov 4 00:29:11 vvdn\_lpru authpriv.info sshd[23362]: 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.

			========
********** Actual Result *******	*****		
=======================================	=========	==========	=======
O-RU Software Update (negative case)	=======================================	SUCCESS	
(and the second of the second			