



@ FILE NAME: M_CTC_ID_015.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for LPRU: v1.0.16

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 *******

=====

> listen --ssh --login operator

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

The authenticity of the host '::ffff:192.168.98.37' cannot be established.

ssh-rsa key fingerprint is c0:7c:63:5d:4b:85:e7:27:e0:7e:f0:44:38:4e:ab:83

Interactive SSH Authentication done.

> status

Current NETCONF session:

ID : 7

Host : 192.168.98.37

Port : 830

Transport : SSH

Capabilities:

urn:ietf:params:netconf:base:1.0 urn:ietf:params:netconf:base:1.1 urn:ietf:params:netconf:capability:writable-running:1.0
urn:ietf:params:netconf:capability:candidate:1.0 urn:ietf:params:netconf:capability:rollback-on-error:1.0
urn:ietf:params:netconf:capability:validate:1.1 urn:ietf:params:netconf:capability:startup:1.0 urn:ietf:params:netconf:capability:xpath:1.0
urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,explicit
urn:ietf:params:netconf:capability:notification:1.0 urn:ietf:params:netconf:capability:interleave:1.0
urn:ietf:params:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05
urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20
urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15
urn:ietf:params:xml:ns:yang:ietf-yang-types?module=ietf-yang-types&revision=2013-07-15
urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=61
urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10
urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14
urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,validate,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 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>VVDN=O-RU</product-code>
      <vendor-code>VN</vendor-code>
      <build-id>factory_img</build-id>
      <build-name>Beta Release</build-name>
      <build-version>1.0.7</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>VVDN O-RU</product-code>
```

```
<vendor-code>VN</vendor-code>
<build-id>90f0b6c</build-id>
<build-name>Beta Release</build-name>
<build-version>1.0.16</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>VVDN=O-RU</product-code>
  <vendor-code>VN</vendor-code>
  <build-id>factory_img</build-id>
  <build-name>Beta Release</build-name>
  <build-version>1.0.7</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@192.168.98.88:22/home/vvdn/Downloads/lpru_logs/M_CTC_ID_016_16_42_19_21_11_2022.pdf</remote-file-path>
<password>
<password>vvdntech</password>
</password>
<server>
<keys>
<algorithm>secp256r1</algorithm>
<public-key>AAAAB3NzaC1yc2EAAAADAQABAAQCAQC0EVfAv8MI4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dG
jERFEq2YZCnaX4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4c6
2h6I9O/wt2hq8RMAC8PT1JAeVebylIrKbcI5g3N2NI6D8OGD0Coick7iczIlor/9ylshjdgIQdi8Bxnq9NhZD0zA2WvQI9eytlvut/uA6KWaiwF9C+O
C7FhIf1O7jDoYXvZUIQa90c0EG4O962JB3SYxWchl4gYxmr6zAtu3TT4j</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:5edbaf65-5125-49d9-90fa-a58a672a3fa8"><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>2000-11-04T00:28:48Z</eventTime>
  <download-event xmlns="urn:o-ran:software-management:1.0">
    <file-name>M_CTC_ID_016_16_42_19_21_11_2022.pdf</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
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:5db7e23a-e2ba-4c0e-9672-82171894bfad"><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>2000-11-04T00:28:49Z</eventTime>
  <install-event xmlns="urn:o-ran:software-management:1.0">
    <slot-name>swSlot1</slot-name>
    <status>FILE_ERROR</status>
    <error-message>unzip failed</error-message>
  </install-event>
</notification>
```

POST GET AFTER INSTALL SW

```
> 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>VVDN=O-RU</product-code>
      <vendor-code>VN</vendor-code>
      <build-id>factory_img</build-id>
      <build-name>Beta Release</build-name>
      <build-version>1.0.7</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>VVDN O-RU</product-code>
```



```
<vendor-code>VN</vendor-code>
<build-id>90f0b6c</build-id>
<build-name>Beta Release</build-name>
<build-version>1.0.16</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>VVDN=O-RU</product-code>
  <vendor-code>VN</vendor-code>
  <build-id>factory_img</build-id>
  <build-name>Beta Release</build-name>
  <build-version>1.0.7</build-version>
  <files>
    <name>boot</name>
    <version>1.0.0</version>
    <local-path>/media/sd-mmcb1k0p1/BOOT0003.BIN</local-path>
    <integrity>OK</integrity>
  </files>
  <files>
    <name>kernel</name>
    <version>1.0.0</version>
    <local-path>/media/sd-mmcb1k0p1/golden.ub</local-path>
    <integrity>OK</integrity>
  </files>
  <files>
    <name>rootfs</name>
    <version>1.0.0</version>
```

```
<local-path>/media/sd-mmcb1k0p1/golden.ub</local-path>  
<integrity>OK</integrity>  
</files>  
</software-slot>  
</software-inventory>  
</data>
```

=====

SYSTEM LOGS

=====

Nov 4 00:28:39 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:28:39 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:28:40 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:28:40 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Successfully connected to 192.168.98.88:4334 over IPv4.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Session 173 (user "root", CID 1) created.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: User "operator" authenticated.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-channel-open" of subtype "session".

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-channel" of subtype "subsystem".

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Call Home client "default-client" session 7 established.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Session 174 (user "root", CID 1) created.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Generated new event (netconf-session-start).

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 14 priority 0 for 1 subscribers.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 14 priority 0 (remaining 1 subscribers).

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 14 priority 0 (remaining 0 subscribers).

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 14 priority 0 succeeded.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Session 7: thread 2 event new RPC.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 15 priority 0 for 1 subscribers.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 15 priority 0 (remaining 1 subscribers).

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 16.

Nov 4 00:28:41 vvdn_lpru user.notice fw_manager[928]: RPC #16 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Event "operational" with ID 16 succeeded.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 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 00:28:41 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 00:28:41 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 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 15 priority 0 (remaining 0 subscribers).

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 15 priority 0 succeeded.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 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 00:28:41 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 00:28:41 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 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Session 7: thread 4 event new RPC.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get-config" with ID 5 priority 0 for 1 subscribers.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get-config" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 5 priority 0 succeeded.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:41 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 00:28:41 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 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:41 vvdn_lpru daemon.info netopeer2-server[858]: Session 7: thread 0 event new RPC.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/notifications:create-subscription" with ID 4 priority 0 for 1 subscribers.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Processing "/notifications:create-subscription" "rpc" event with ID 4 priority 0 (remaining 1 subscribers).

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 4 priority 0 (remaining 0 subscribers).

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 4 priority 0 succeeded.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Session 7: thread 4 event new RPC.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 16 priority 0 for 1 subscribers.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 16 priority 0 (remaining 1 subscribers).

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 17.

Nov 4 00:28:42 vvdn_lpru user.notice fw_manager[928]: RPC #17 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Event "operational" with ID 17 succeeded.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 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 00:28:42 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 00:28:42 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 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 16 priority 0 (remaining 0 subscribers).

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 16 priority 0 succeeded.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 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 00:28:42 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 00:28:42 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 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Session 7: thread 1 event new RPC.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Published event "rpc" "/o-ran-software-management:software-download" with ID 4 priority 0 for 1 subscribers.

Nov 4 00:28:42 vvdn_lpru user.notice fw_manager[928]: RPC #4 recieved. xpath -> /o-ran-software-management:software-download

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 4 priority 0 succeeded.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:42 vvdn_lpru daemon.info netopeer2-server[858]: Session 7: thread 4 event new RPC.

Nov 4 00:28:44 vvdn_lpru user.notice SYNCMNGR[1174]: Received message from S-Plane

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/fw_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/nw_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/operations_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/pm_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 4.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/um_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 5.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 5 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/sys_monitor", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 6.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 6 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/fault_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 7.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 7 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/file_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 8.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 8 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/supervision", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 9.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 9 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/sync_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 10.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 10 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/log_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 11.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 11 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/radio_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 12.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 12 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/fw_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 13.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 13 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/sync_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 14.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 14 priority 0 (remaining 0 subscribers).

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/log_manager", but it is not required.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 15.

Nov 4 00:28:45 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 15 priority 0 (remaining 0 subscribers).

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/operations_manager", but it is not required.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 16.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 16 priority 0 (remaining 0 subscribers).

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/sys_monitor", but it is not required.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 17.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 17 priority 0 (remaining 0 subscribers).

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/file_manager", but it is not required.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 18.

Nov 4 00:28:46 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 18 priority 0 (remaining 0 subscribers).

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/fault_manager", but it is not required.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 19.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 19 priority 0 (remaining 0 subscribers).

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/supervision", but it is not required.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 20.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 20 priority 0 (remaining 0 subscribers).

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/pm_manager", but it is not required.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 21.

Nov 4 00:28:47 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 21 priority 0 (remaining 0 subscribers).

Nov 4 00:28:48 vvdn_lpru user.notice fw_manager[928]: Function isDownloadCompleted setting error code 0

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: There is no instance of "/vvdn_lpru-wdm:system-apps/nw_manager", but it is not required.

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "ietf-netconf-notifications" event with ID 22.

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 22 priority 0 (remaining 0 subscribers).

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: Processing "notif" "o-ran-software-management" event with ID 1.

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Nov 4 00:28:48 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 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Nov 4 00:28:48 vvdn_lpru daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 18.

Nov 4 00:28:48 vvdn_lpru user.notice fw_manager[928]: RPC #18 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:28:49 vvdn_lpru daemon.info netopeer2-server[858]: Event "operational" with ID 18 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]: 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" "/o-ran-software-management:software-install" with ID 4 priority 0 for 1 subscribers.

Nov 4 00:28:49 vvdn_lpru user.notice fw_manager[928]: RPC #4 recieved. xpath -> /o-ran-software-management:software-install

Nov 4 00:28:49 vvdn_lpru user.notice fw_manager[928]: swSlot1 selected

Nov 4 00:28:49 vvdn_lpru daemon.info netopeer2-server[858]: Event "rpc" with ID 4 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 7: thread 1 event new RPC.

Nov 4 00:28:49 vvdn_lpru user.err fw_manager[928]: swInstall : Unzip failed with code 256

Nov 4 00:28:49 vvdn_lpru user.err fw_manager[928]: swInstall failed :Reason: unzip failed

Nov 4 00:28:49 vvdn_lpru user.notice fw_manager[928]: RPC #19 recieved. xpath -> /o-ran-software-management:software-inventory

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 instance of "/vvdn_lpru-wdm:system-apps/radio_manager", 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]: Processing "notif" "ietf-netconf-notifications" event with ID 23.

Nov 4 00:28:49 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 23 priority 0 (remaining 0 subscribers).

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 "/software-inventory/software-slot/name" with the value "swSlot1", 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]: Processing "notif" "o-ran-software-management" event with ID 2.

Nov 4 00:28:49 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

subscribers).

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 instance of "/vvdn_lpru-wdm:system-apps/um_manager", 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]: Processing "notif" "ietf-netconf-notifications" event with ID 24.

Nov 4 00:28:49 vvdn_lpru daemon.info netopeer2-server[858]: Successful processing of "notif" event with ID 24 priority 0 (remaining 0 subscribers).

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 17 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 17 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 20.

Nov 4 00:28:49 vvdn_lpru user.notice fw_manager[928]: RPC #20 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:28:50 vvdn_lpru daemon.info netopeer2-server[858]: Event "operational" with ID 20 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 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/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 7: thread 2 event new RPC.

Nov 4 00:28:52 vvdn_lpru user.err FAULT MANAGER[872]: sendData : Source ID: 17

Nov 4 00:28:52 vvdn_lpru user.err FAULT MANAGER[872]: sendData : Fault ID: 23

Nov 4 00:28:52 vvdn_lpru user.err FAULT MANAGER[872]: sendData : FAULT_IS_CLEARED: FALSE

Nov 4 00:28:52 vvdn_lpru user.err FAULT MANAGER[872]: sendData : FAULT_SEVERITY: 2

Nov 4 00:28:52 vvdn_lpru user.err FAULT MANAGER[872]: sendData : FAULT_TIME: 2000-11-04T00:28:52Z

Nov 4 00:28:54 vvdn_lpru user.notice SYNCMNGR[1174]: Received message from S-Plane

Nov 4 00:28:55 vvdn_lpru daemon.info netopeer2-server[858]: Session 7: thread 3 event new RPC.

Nov 4 00:28:55 vvdn_lpru daemon.info netopeer2-server[858]: Session 7: thread 3 event session terminated.

Nov 4 00:28:55 vvdn_lpru daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.
Nov 4 00:28:55 vvdn_lpru daemon.info netopeer2-server[858]: Generated new event (netconf-session-end).
Nov 4 00:28:55 vvdn_lpru daemon.info netopeer2-server[858]: Call Home client "default-client" session terminated.
Nov 4 00:28:55 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:28:55 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:28:55 vvdn_lpru authpriv.debug sshd[24681]: pam_unix(sshd:account): account operator has password changed in future
Nov 4 00:28:55 vvdn_lpru auth.info sshd[24681]: Accepted password for operator from 192.168.98.88 port 36502 ssh2
Nov 4 00:28:55 vvdn_lpru authpriv.info sshd[24681]: 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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O-RU Software Update (negative case)	=	SUCCESS
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