



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

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

**@ Software Release for MCB1: v1.0.7**

**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 \*\*\*\*\***

=====

```
> connect --ssh --host 192.168.3.38 --port 830 --login operator
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      : 22
Host    : 192.168.3.38
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=63
urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10
urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14
urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,valid
ate,startup,url,xpath urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01
urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06
urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04
urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14
urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14
urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10
urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06 urn:notification_history?module=notification_history
urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19
```

=====

**> subscribe**

=====

Ok

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## Initial Get Filter

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

---

```
<?xml version="1.0" ?>
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">
  <software-inventory xmlns="urn:o-ran:software-management:1.0">
    <software-slot>
      <name>swSlot1</name>
      <status>VALID</status>
      <active>false</active>
      <running>false</running>
      <access>READ_WRITE</access>
      <product-code>VVDN=O-RU</product-code>
      <vendor-code>VN</vendor-code>
      <build-id>3c27011</build-id>
      <build-name>Beta Release</build-name>
      <build-version>1.0.4</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>1.0.7</build-version>
<files>
  <name>boot</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/BOOT0002.BIN</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p1/image0002.ub</local-path>
  <integrity>OK</integrity>
</files>
<files>
  <name>rootfs</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcb1k0p3/</local-path>
  <integrity>OK</integrity>
</files>
</software-slot>
<software-slot>
  <name>swRecoverySlot</name>
  <status>VALID</status>
  <active>false</active>
  <running>false</running>
  <access>READ_ONLY</access>
  <product-code>STL=O-RU</product-code>
  <vendor-code>VN</vendor-code>
  <build-id>factory_img</build-id>
  <build-name>Beta Release</build-name>
  <build-version>1.0.0</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@192.168.3.15:22bjcshhj</remote-file-path>
<password>
<password>vvdn</password>
</password>
<server>
<keys>
<algorithm>secp256r1</algorithm>
<public-key>AAAAB3NzaC1yc2EAAAADAQABAAQADuVt6Rlu+fBupZHnws6xDNkK7k2lmQrjtYrJG6M+yQnpKQL/yqRcnLkSdQYJWJ
+Zlz3oPipBBTcUq9GqIobokfogL/SQnwwscISIV97TFvmPwN6iVNl4ogWjf+McWr7ZWjU3rrLjB1y/dIlpSQDV9g+b+IayIZN3hxH0HijKQSG/8q
45B5uFQAPEr3+s5k4DuZXP5il81iSbhzq0f7/uG/VeA2cKBrum+adqI3mvM/GCqfvoE2+S+ghK5Mtgx9gnNUQDvN8JcZRFm9C0ING66U73d+w
OgbaFF5VKTOX3iDWHj9AEW1j8sE8Q5ymtlW5gyVs/4mDZH7d1eCWiaW0iiv</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:d813dbaa-0ceb-4544-8ed8-695043e421f3"><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>
```

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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>2000-11-04T02:44:18Z</eventTime>
  <download-event xmlns="urn:o-ran:software-management:1.0">
    <file-name>vvdn@192.168.3.15:</file-name>
    <status>FILE_NOT_FOUND</status>
    <error-message>File source not available</error-message>
  </download-event>
</notification>
```

## =====

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

=====

Nov 4 02:43:14 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:14 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:15 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:15 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:16 mcb1 user.notice SYNCMNGR[1305]: Received message from S-Plane

Nov 4 02:43:16 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:16 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:17 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:17 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:18 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:18 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:19 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:19 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:20 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:20 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:21 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:21 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:22 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:22 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:23 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:23 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:24 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:24 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:25 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:25 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:26 mcb1 user.notice SYNCMNGR[1305]: Received message from S-Plane

Nov 4 02:43:26 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:26 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:27 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:27 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:28 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:28 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:29 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:29 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:30 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:30 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:31 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:31 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:32 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:32 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:32 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:33 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:33 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:34 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:34 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:35 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:35 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:36 mcb1 user.notice SYNCMNGR[1305]: Received message from S-Plane

Nov 4 02:43:36 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:36 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/fw\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/nw\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/operations\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/pm\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/um\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/sys\_monitor

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/fault\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/file\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/supervision

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/sync\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/ald\_controller

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/log\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/radio\_manager

Nov 4 02:43:37 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/cli\_manager

Nov 4 02:43:37 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:37 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:38 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:38 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:39 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:39 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:40 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:40 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:41 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:43:41 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:43:42 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:42 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:43:42 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.



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Nov 4 02:44:13 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.  
Nov 4 02:44:13 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).  
Nov 4 02:44:14 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.  
Nov 4 02:44:14 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Accepted a connection on :::830.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Session 447 (user "root", CID 1) created.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Received an SSH message "request-service" of subtype "ssh-userauth".  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Received an SSH message "request-auth" of subtype "password".  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: User "operator" authenticated.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Received an SSH message "request-channel-open" of subtype "session".  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Received an SSH message "request-channel" of subtype "subsystem".  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Session 448 (user "root", CID 1) created.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: There are no subscribers for "ietf-netconf-notifications" notifications.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Generated new event (netconf-session-start).  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.  
Nov 4 02:44:15 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Published event "rpc" "/ietf-netconf:get" with ID 45 priority 0 for 1 subscribers.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Processing "/ietf-netconf:get" "rpc" event with ID 45 priority 0 (remaining 1 subscribers).  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Successful processing of "rpc" event with ID 45 priority 0 (remaining 0 subscribers).  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Event "rpc" with ID 45 priority 0 succeeded.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Session 22: thread 1 event new RPC.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Published event "rpc" "/ietf-netconf:get" with ID 46 priority 0 for 1 subscribers.  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Processing "/ietf-netconf:get" "rpc" event with ID 46 priority 0 (remaining 1 subscribers).  
Nov 4 02:44:15 mcb1 daemon.info netopeer2-server[984]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 14.  
Nov 4 02:44:15 mcb1 user.notice fw\_manager[1059]: RPC #14 recieved. xpath -> /o-ran-software-management:software-inventory  
Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Event "operational" with ID 14 succeeded.  
Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...  
Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: 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 02:44:16 mcb1 daemon.info netopeer2-server[984]: 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 02:44:16 mcb1 daemon.info netopeer2-server[984]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.  
Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.  
Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Successful processing of "rpc" event with ID 46 priority 0 (remaining 0 subscribers).  
Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Event "rpc" with ID 46 priority 0 succeeded.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: 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 02:44:16 mcb1 daemon.info netopeer2-server[984]: 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 02:44:16 mcb1 daemon.info netopeer2-server[984]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Session 22: thread 1 event new RPC.

Nov 4 02:44:16 mcb1 user.notice SYNCMNGR[1305]: Received message from S-Plane

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Published event "rpc" "/ietf-netconf:get-config" with ID 5 priority 0 for 1 subscribers.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Processing "/ietf-netconf:get-config" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Event "rpc" with ID 5 priority 0 succeeded.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Session 22: thread 2 event new RPC.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Published event "rpc" "/notifications:create-subscription" with ID 4 priority 1 for 1 subscribers.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Processing "ietf-netconf-monitoring" "operational" event with ID 8.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Successful processing of "operational" event with ID 8.

Nov 4 02:44:16 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:44:16 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Event "rpc" with ID 4 priority 1 succeeded.

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Published event "rpc" "/notifications:create-subscription" with ID 4 priority 0 for 1 subscribers.

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Processing "/notifications:create-subscription" "rpc" event with ID 4 priority 0 (remaining 1 subscribers).

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:44:17 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Successful processing of "rpc" event with ID 4 priority 0 (remaining 0 subscribers).

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Event "rpc" with ID 4 priority 0 succeeded.

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Session 22: thread 1 event new RPC.

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Published event "rpc" "/ietf-netconf:get" with ID 47 priority 0 for 1 subscribers.

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Processing "/ietf-netconf:get" "rpc" event with ID 47 priority 0 (remaining 1 subscribers).

Nov 4 02:44:17 mcb1 daemon.info netopeer2-server[984]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 15.

Nov 4 02:44:17 mcb1 user.notice fw\_manager[1059]: RPC #15 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Event "operational" with ID 15 succeeded.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: 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 02:44:18 mcb1 daemon.info netopeer2-server[984]: 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 02:44:18 mcb1 daemon.info netopeer2-server[984]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Successful processing of "rpc" event with ID 47 priority 0 (remaining 0 subscribers).

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Event "rpc" with ID 47 priority 0 succeeded.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: 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 02:44:18 mcb1 daemon.info netopeer2-server[984]: 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 02:44:18 mcb1 daemon.info netopeer2-server[984]: There is no leafref  
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Session 22: thread 1 event new RPC.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Published event "rpc" "/o-ran-software-management:software-download" with ID 1 priority 0 for 1 subscribers.

Nov 4 02:44:18 mcb1 user.notice fw\_manager[1059]: RPC #1 recieved. xpath -> /o-ran-software-management:software-download

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Event "rpc" with ID 1 priority 0 succeeded.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Session 22: thread 3 event new RPC.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:44:18 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:44:18 mcb1 user.err fw\_manager[1059]: swDownload failed :Reason: File source not available

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "o-ran-software-management" event with ID 1.

Nov 4 02:44:18 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).



Nov 4 02:44:19 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:44:19 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/fw\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/fw\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/nw\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/nw\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/operations\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/operations\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/pm\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/pm\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 4.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/um\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/um\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 5.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 5 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/sys\_monitor

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/sys\_monitor", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 6.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 6 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/fault\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/fault\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 7.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 7 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/file\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/file\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 8.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 8 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/supervision

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/supervision", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 9.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 9 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/sync\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/sync\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 10.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 10 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/ald\_controller

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/ald\_controller", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 11.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 11 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/log\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/log\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 12.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 12 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/radio\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/radio\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 13.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 13 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.notice wd\_manager[1441]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/cli\_manager

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/cli\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 14.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 14 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 user.info FAULT MANAGER[998]: sendData : Source ID: 21

Nov 4 02:44:20 mcb1 user.info FAULT MANAGER[998]: sendData : Fault ID: 23

Nov 4 02:44:20 mcb1 user.info FAULT MANAGER[998]: sendData : FAULT\_IS\_CLEARED: False

Nov 4 02:44:20 mcb1 user.info FAULT MANAGER[998]: sendData : FAULT\_SEVERITY: 2

Nov 4 02:44:20 mcb1 user.info FAULT MANAGER[998]: sendData : FAULT\_TIME: 2000-11-04T02:44:20Z

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/notification\_history:history/module-notification[module-name='Module']/notif-error", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 15.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 15 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/notification\_history:history/module-notification[module-name='Module']/alert", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 16.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 16 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/notification\_history:history/module-notification[module-name='Module']/epochtime", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 17.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 17 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "o-ran-fm" event with ID 1.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/fault\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 18.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 18 priority 0 (remaining 0 subscribers).

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:44:20 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/log\_manager", but it is not required.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 19.

Nov 4 02:44:20 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 19 priority 0 (remaining 0 subscribers).

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/file\_manager", but it is not required.

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 20.

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 20 priority 0 (remaining 0 subscribers).

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:44:21 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).



Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/um\_manager", but it is not required.

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 21.

Nov 4 02:44:21 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 21 priority 0 (remaining 0 subscribers).

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/radio\_manager", but it is not required.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 22.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 22 priority 0 (remaining 0 subscribers).

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/sys\_monitor", but it is not required.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 23.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 23 priority 0 (remaining 0 subscribers).

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:44:22 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/supervision", but it is not required.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 24.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 24 priority 0 (remaining 0 subscribers).

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 user.warn pm\_manager[1372]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/ald\_controller", but it is not required.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 25.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 25 priority 0 (remaining 0 subscribers).

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/cli\_manager", but it is not required.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 26.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 26 priority 0 (remaining 0 subscribers).

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/pm\_manager", but it is not required.

required.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 27.

Nov 4 02:44:22 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 27 priority 0 (remaining 0 subscribers).

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: Resolving unresolved data nodes and their constraints...

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: There is no instance of "/vvdn\_mcel-wdm:system-apps/fw\_manager", but it is not required.

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: All data nodes and constraints resolved.

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: Processing "notif" "ietf-netconf-notifications" event with ID 28.

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: Successful processing of "notif" event with ID 28 priority 0 (remaining 0 subscribers).

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: Trying to connect via IPv4 to 192.168.4.15:4336.

Nov 4 02:44:23 mcb1 daemon.err netopeer2-server[984]: connect() failed (Network is unreachable).

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: Session 22: thread 0 event new RPC.

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: Session 22: thread 0 event session terminated.

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 02:44:23 mcb1 daemon.info netopeer2-server[984]: Generated new event (netconf-session-end).

Nov 4 02:44:23 mcb1 authpriv.debug sshd[6174]: pam\_unix(sshd:account): account operator has password changed in future

Nov 4 02:44:23 mcb1 auth.info sshd[6174]: Accepted password for operator from 192.168.3.15 port 50444 ssh2

Nov 4 02:44:23 mcb1 authpriv.info sshd[6174]: 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 *****
=====
```

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

```
=====
FILE_NOT_FOUND
=====
```

```
=====
O-RU Software Update (negative case)      =      FAIL
=====
```