



@ FILE NAME: M_CTC_ID_015.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda: v4.2.0

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

This scenario corresponds the following chapters in [3]:

5. Software Management.



****** 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:192.168.208.37' 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 : 16

Host: 192.168.208.37

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

 $urn: ietf: params: netconf: capability: notification: 1.0 \ urn: ietf: params: netconf: capability: interleave: 1.0 \ urn: ietf: params: netconf: capability: ne$

 $urn: ietf: params: xml: ns: yang: ietf-yang-metadata? module = ietf-yang-metadata \& revision = 2016-08-05 \\ ietf-yang-metadata = ietf$

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

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

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

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

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

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

urn: ietf: params: xml: ns: netconf: base: 1.0? module = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, candidate, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, rollback-on-error, valid = ietf-netconf & revision = 2013-09-29 & features = writable-running, rollback-on-error, with the properties of the properties = ietf-netconf & revision = 2013-09-29 & features = writable-running, rollback-on-error, rollback-on-e

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-net conf-notifications? module = ietf-net conf-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

 $urn: ietf: params: xml: ns: yang: iana-crypt-hash? module = iana-crypt-hash\& revision = 2014-08-06 \ urn: notification_history? module = notification_his$

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>true</active>
 <running>true</running>
 <access>READ_WRITE</access>
 cproduct-code>STL=O-RUduct-code>
 <vendor-code>VN</vendor-code>
 <build-id>factory_img</build-id>
 <build-name>Beta Release</build-name>
 <build-version>4.2.0</build-version>
 <files>
  <name>boot</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/BOOT0001.BIN</local-path>
  <integrity>OK</integrity>
 </files>
 <files>
  <name>kernel</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p1/image0001.ub</local-path>
  <integrity>OK</integrity>
 </files>
 <files>
  <name>rootfs</name>
  <version>1.0.0</version>
  <local-path>/media/sd-mmcblk0p2/</local-path>
  <integrity>OK</integrity>
 </files>
 </software-slot>
<software-slot>
 <name>swSlot2</name>
 <status>EMPTY</status>
 <active>false</active>
 <running>false</running>
 <access>READ_WRITE</access>
```

cproduct-code/>



<build-id/> <build-name/> <build-version/> <files> <name>boot</name> <version/> <local-path>/media/sd-mmcblk0p1/BOOT0002.BIN</local-path> <integrity>NOK</integrity> </files> <files> <name>kernel</name> <version/> <local-path>/media/sd-mmcblk0p1/image0002.ub</local-path> <integrity>NOK</integrity> </files> <files> <name>rootfs</name> <version/> <local-path>/media/sd-mmcblk0p3/</local-path> <integrity>NOK</integrity> </files> </software-slot> <software-slot> <name>swRecoverySlot</name> <status>VALID</status> <active>false</active> <running>false</running> <access>READ_ONLY</access> cproduct-code>STL=O-RUduct-code> <vendor-code>VN</vendor-code> <build-id>factory_img</build-id> <build-name>Beta Release</build-name> <build-version>1.3.4</build-version> <files> <name>boot</name> <version>1.0.0</version> <local-path>/media/sd-mmcblk0p1/BOOT0003.BIN</local-path> <integrity>OK</integrity> </files> <files> <name>kernel</name> <version>1.0.0</version> <local-path>/media/sd-mmcblk0p1/golden.ub</local-path> <integrity>OK</integrity> </files> <files> <name>rootfs</name> <version>1.0.0</version> <local-path>/media/sd-mmcblk0p1/golden.ub</local-path>



<integrity>OK</integrity>
Step 1 : TER NETCONF Client triggers <rpc><software-download></software-download></rpc>
> user-rpc
****** Replace with below xml *******
<software-download xmlns="urn:o-ran:software-management:1.0"></software-download>
$<\!\!remote-file-path\!\!>\!\!sftp://vvdn@192.168.22.208:22/home/vvdn/Downloads/Garuda_Images/<\!/remote-file-path\!\!>\!$
<pre><password></password></pre>
<pre><password>vvdntech</password></pre>
<server></server>
<keys></keys>
<algorithm>secp256r1</algorithm>
$<\!public-key\!>\!AAAAB3NzaC1yc2EAAAADAQABAAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4ZsCWkGxxv36AwuOewJuHXxsiJDNYet2n02N9cbZgifa+Lt0ni4dagabaAABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AABAQC0EVfAv8Ml4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA$
jERFEq2YZCnaX4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cUGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu453vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu454vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu454vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkkFu454vTMA/SIZU47wK7Q5HbrTcJefuDkIUwPb+tnP7iT9T7YMx4cuFnsLq8bUjBAuy0hyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU2ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4ACb5FohzIbZnMW4cuGkhyU4
2h6I9O/wt2hq8RMAC8PT1JAeVebylIrKbcI5g3N2NI6D8OGD0Coick7iczIlor/9ylshjdgiQdi8Bxnq9NhzD0zA2WvQI9eytlvut/uA6KWaiwF9C+1000000000000000000000000000000000000
C7FhIf1O7jDoYXvZUlQa90c0EG4O962JB3SYxWchl4gYxmr6zAtu3TT4j
======================================
<pre></pre>
xmlns="urn:o-ran:software-management:1.0">STARTED <notification-timeout< td=""></notification-timeout<>
xmlns="urn:o-ran:software-management:1.0">30



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

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

- <notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
- <eventTime>2027-04-14T05:38:17Z</eventTime>
- <download-event xmlns="urn:o-ran:software-management:1.0">
- <file-name>Garuda_Images</file-name>
- <status>AUTHENTICATION_ERROR</status>
- <error-message>Credentials validation failed/error-message>
- </download-event>
- </notification>



Apr 14 05:38:11 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:38:11 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:38:12 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:38:12 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Successfully connected to 192.168.208.15:4334 over IPv4.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Session 351 (user "root", CID 1) created.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: User "operator" authenticated.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Call Home client "default-client" session 16 established.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Session 352 (user "root", CID 1) created.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Generated new event (netconf-session-start).

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get" with ID 30 priority 0 for 1 subscribers.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get" "rpc" event with ID 30 priority 0 (remaining 1 subscribers).

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 30 priority 0 (remaining 0 subscribers).

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 30 priority 0 succeeded.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Session 16: thread 2 event new RPC.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get" with ID 31 priority 0 for 1 subscribers.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get" "rpc" event with ID 31 priority 0 (remaining 1 subscribers).

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 13.

Apr 14 05:38:13 garuda user.notice fw_manager[936]: RPC #13 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Event "operational" with ID 13 succeeded.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref



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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 31 priority 0 (remaining 0 subscribers).

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 31 priority 0 succeeded.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Session 16: thread 2 event new RPC.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get-config" with ID 23 priority 0 for 1 subscribers.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get-config" "rpc" event with ID 23 priority 0 (remaining 1 subscribers).

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 23 priority 0 (remaining 0 subscribers).

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 23 priority 0 succeeded.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Session 16: thread 4 event new RPC.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/notifications:create-subscription" with ID 13 priority 0 for 1 subscribers.

Apr 14 05:38:13 garuda daemon.info netopeer2-server[859]: Processing "/notifications:create-subscription" "rpc" event with ID 13 priority 0 (remaining 1 subscribers).

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 13 priority 0 (remaining 0 subscribers).

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 13 priority 0 succeeded.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Session 16: thread 2 event new RPC.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.



Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get" with ID 32 priority 0 for 1 subscribers.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get" "rpc" event with ID 32 priority 0 (remaining 1 subscribers).

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 14

Apr 14 05:38:14 garuda user.notice fw_manager[936]: RPC #14 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Event "operational" with ID 14 succeeded.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 32 priority 0 (remaining 0 subscribers).

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 32 priority 0 succeeded.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: There is no leafref

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

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Session 16: thread 2 event new RPC.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/o-ran-software-management:software-download" with ID 1 priority 0 for 1 subscribers.

Apr 14 05:38:14 garuda user.notice fw_manager[936]: RPC #1 recieved. xpath -> /o-ran-software-management:software-download

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 1 priority 0 succeeded.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:14 garuda daemon.info netopeer2-server[859]: Session 16: thread 4 event new RPC.

Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/fw_manager", but it is not required.

Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/nw_manager", but it is not



required.

- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 2.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/operations_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 3.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/pm_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 4.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/um_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 5.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 5 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/sys_monitor", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 6.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 6 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/fault_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 7.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 7 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/file_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 8.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 8 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/supervision", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 9.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 9 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/sync_manager", but it is not required.



- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 10.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 10 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/log_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 11.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 11 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/radio_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 12.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 12 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/fw_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 13.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 13 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/sync_manager", but it is not required.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 14.
- Apr 14 05:38:15 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 14 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:16 garuda user.notice SYNCMNGR[1182]: Received message from S-Plane
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/fault_manager", but it is not required.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 15.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 15 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/operations_manager", but it is not required.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 16.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 16 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/log_manager", but it is not required.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 17.
- Apr 14 05:38:16 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 17 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:17 garuda user.err fw_manager[936]: swDownload failed :Reason: Credentials validation failed
- $Apr\ 14\ 05:38:17\ garuda\ daemon. info\ net opeer 2-server [859]:\ Processing\ "notif"\ "o-ran-software-management"\ event\ with\ ID\ 1.$
- Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).



Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/pm_manager", but it is not required.

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 18.

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 18 priority 0 (remaining 0 subscribers).

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/file_manager", but it is not required.

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 19.

Apr 14 05:38:17 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 19 priority 0 (remaining 0 subscribers).

Apr 14 05:38:18 garuda user.err FAULT MANAGER[874]: sendData : Source ID: 17

Apr 14 05:38:18 garuda user.err FAULT MANAGER[874]: sendData: Fault ID: 23

Apr 14 05:38:18 garuda user.err FAULT MANAGER[874]: sendData: FAULT_IS_CLEARED: FALSE

Apr 14 05:38:18 garuda user.err FAULT MANAGER[874]: sendData: FAULT_SEVERITY: 2

Apr 14 05:38:18 garuda user.err FAULT MANAGER[874]: sendData: FAULT_TIME: 2027-04-14T05:38:18Z

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: There is no instance of

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

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: There is no instance of

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

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 20.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 20 priority 0 (remaining 0 subscribers).

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: There is no instance of

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

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 21.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 21 priority 0 (remaining 0 subscribers).

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: There is no instance of

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

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 22.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 22 priority 0 (remaining 0 subscribers).

 $Apr\ 14\ 05:38:18\ garuda\ daemon. info\ net opeer 2-server [859]:\ Processing\ "notif"\ "o-ran-fm"\ event\ with\ ID\ 1.$

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: There is no instance of

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

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 23.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 23 priority 0 (remaining 0 subscribers).

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/supervision", but it is not required.

Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.



- Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 24.
- Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 24 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/nw_manager", but it is not required.
- Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 25.
- Apr 14 05:38:18 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 25 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/radio_manager", but it is not required.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 26.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 26 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/sys_monitor", but it is not required.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 27.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 27 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/um_manager", but it is not required.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 28.
- Apr 14 05:38:19 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 28 priority 0 (remaining 0 subscribers).
- Apr 14 05:38:22 garuda daemon.info netopeer2-server[859]: Session 16: thread 4 event new RPC.
- Apr 14 05:38:22 garuda daemon.info netopeer2-server[859]: Session 16: thread 4 event session terminated.
- Apr 14 05:38:22 garuda daemon.info netopeer2-server[859]: There are no subscribers for "ietf-netconf-notifications" notifications.
- Apr 14 05:38:22 garuda daemon.info netopeer2-server[859]: Generated new event (netconf-session-end).
- Apr 14 05:38:22 garuda daemon.info netopeer2-server[859]: Call Home client "default-client" session terminated.
- Apr 14 05:38:22 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
- Apr 14 05:38:22 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
- Apr 14 05:38:22 garuda auth.info sshd[11565]: Accepted password for operator from 192.168.208.15 port 57256 ssh2
- Apr 14 05:38:22 garuda authpriv.info sshd[11565]: 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.

**************************************	=======================================
	=======================================
	=======================================
**************************************	:===========
AUTHENTICATION_ERROR	
O-RU Software Update (negative case) = FAIL	