



@ FILE NAME: M_CTC_ID_020.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda: v4.2.0

Test Description : This scenario is MANDATORY for an O-RU supporting the Hybrid M-plane architecture model.

This test validates that the O-RU correctly implements NETCONF Access Control user privileges.

The scenario corresponds to the following chapters in [3]:

3.4 NETCONF Access Control

```
=====
***** Initial Get *****
=====
```

```
> connect --ssh --host 192.168.208.37 --port 830 --login operator
```

```
Interactive SSH Authentication
```

```
Type your password:
```

```
Password:
```

```
=====
> get --filter-xpath /o-ran-usermgmt:users/user
=====
```

```
<?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">
  <users xmlns="urn:o-ran:user-mgmt:1.0">
    <user>
      <name>oranuser</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>observer</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>installer</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator5310619424927220</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator42009256600399182198</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator900036241939705</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
  </users>
</data>
```

```
</user>
<user>
  <name>operator7131913</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator97206</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator62794098482</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator2904805</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator9803</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator9980120562102938045276</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator6553383621</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator49141736406</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator6014549415</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator4273528410327242</name>
  <account-type>PASSWORD</account-type>
```

```
<enabled>true</enabled>  
</user>  
</users>  
</data>
```

```
=====
***** Connect to the NETCONF Server *****
=====
```

```
=====
***** Connect to the NETCONF Server *****
=====
```

```
> listen --ssh --login installer
```

```
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      : 5
```

```
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:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05
```

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

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

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

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

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

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

```
urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,validate,startup,url,xpath urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01
```

```
urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06
```

```
urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04
```

```
urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14
```

```
urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14
```

```
urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10
```

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

```
urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19
=====
```

```
> subscribe
=====
```

Ok

=====

Step 2 TER NETCONF client attempts to configure a new user/password.

=====

=====

```
> edit-config --target running --config --defop merge
```

=====

=====

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

=====

```
<config xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <users xmlns="urn:o-ran:user-mgmt:1.0">
    <user>
      <name>operator3353015575728739676260</name>
      <account-type>PASSWORD</account-type>
      <password>S2]nt4+VWd0J}hK~I4iEJo++Bu-c</password>
      <enabled>true</enabled>
    </user>
  </users>
</config>
```

=====

=====

Step 3 NETCONF server replies rejecting the protocol operation with an 'access-denied' error

=====

ERROR

```
type      : protocol
tag       : access-denied
severity  : error
path      : /o-ran-usermgmt:users/user
message   : Access to the data model "o-ran-usermgmt" is denied because "installer" NACM authorization failed.
```

=====

SYSTEM LOGS

=====

Apr 14 05:32:08 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:08 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:08 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:08 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Successfully connected to 192.168.208.15:4334 over IPv4.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Session 141 (user "root", CID 1) created.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: User "installer" authenticated.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Call Home client "default-client" session 5 established.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Session 142 (user "root", CID 1) created.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Generated new event (netconf-session-start).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get" with ID 11 priority 0 for 1 subscribers.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get" "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 11 priority 0 (remaining 0 subscribers).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 11 priority 0 succeeded.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Session 5: thread 1 event new RPC.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get" with ID 12 priority 0 for 1 subscribers.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get" "rpc" event with ID 12 priority 0 (remaining 1 subscribers).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 5.

Apr 14 05:32:09 garuda user.notice fw_manager[936]: RPC #5 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Event "operational" with ID 5 succeeded.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:09 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 05:32:09 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 05:32:09 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 05:32:09 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 12 priority 0 (remaining 0 subscribers).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 12 priority 0 succeeded.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:09 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 05:32:09 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 05:32:09 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 05:32:09 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[859]: Session 5: thread 1 event new RPC.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get-config" with ID 9 priority 0 for 1 subscribers.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get-config" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 9 priority 0 succeeded.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:10 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 05:32:10 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 05:32:10 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 05:32:10 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Session 5: thread 3 event new RPC.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Accepted a connection on :::830.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Session 147 (user "root", CID 1) created.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: User "operator" authenticated.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Session 148 (user "root", CID 1) created.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Generated new event (netconf-session-start).

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get" with ID 13 priority 0 for 1 subscribers.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get" "rpc" event with ID 13 priority 0 (remaining 1 subscribers).

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 13 priority 0 (remaining 0 subscribers).

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 13 priority 0 succeeded.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Session 6: thread 3 event new RPC.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Session 6: thread 3 event new RPC.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Session 6: thread 3 event session terminated.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[859]: Generated new event (netconf-session-end).

Apr 14 05:32:11 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:11 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:12 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:12 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:12 garuda user.notice SYNCMNGR[1182]: Received message from S-Plane

Apr 14 05:32:13 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:13 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:14 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:14 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:14 garuda user.notice kernel: [316.445576] EXT4-fs (mmcblk0p2): error count since last fsck: 13

Apr 14 05:32:14 garuda user.notice kernel: [316.451590] EXT4-fs (mmcblk0p2): initial error at time 1807679724: ext4_lookup:1700: inode 7393

Apr 14 05:32:14 garuda user.notice kernel: [316.460284] EXT4-fs (mmcblk0p2): last error at time 1807679771: ext4_lookup:1700: inode 7393

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/notifications:create-subscription" with ID 5 priority 0 for 1 subscribers.

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: Processing "/notifications:create-subscription" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 5 priority 0 succeeded.

Apr 14 05:32:15 garuda daemon.info netopeer2-server[859]: Session 5: thread 1 event new RPC.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:18 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:19 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:19 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:20 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:20 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:21 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:21 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:22 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:22 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:23 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:23 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:24 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:24 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:25 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:25 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:26 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:26 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:26 garuda user.notice SYNCMNGR[1182]: Received message from S-Plane
Apr 14 05:32:27 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:27 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:28 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:28 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:29 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:29 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:edit-config" with ID 3 priority 0 for 1 subscribers.
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.
Apr 14 05:32:30 garuda daemon.err netopeer2-server[859]: Access to the data model "o-ran-usermgmt" is denied because "installer" NACM authorization failed.
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: Failed processing of "rpc" event with ID 3 priority 0 (remaining 1 subscribers).
Apr 14 05:32:30 garuda daemon.err netopeer2-server[859]: Access to the data model "o-ran-usermgmt" is denied because "installer" NACM authorization failed.
Apr 14 05:32:30 garuda daemon.warn netopeer2-server[859]: Event "rpc" with ID 3 priority 0 failed (User callback failed).
Apr 14 05:32:30 garuda daemon.err netopeer2-server[859]: Failed to send an RPC (User callback failed).
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: Session 5: thread 1 event new RPC.
Apr 14 05:32:30 garuda daemon.info netopeer2-server[859]: Session 5: thread 1 event reply error.
Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.
Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).
Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...
Apr 14 05:32:31 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 05:32:31 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.
Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 1.
Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

[illegible]

Apr 14 05:32:31 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 05:32:31 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 10.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 10 priority 0 (remaining 0 subscribers).

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:31 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 05:32:31 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 11.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 11 priority 0 (remaining 0 subscribers).

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:31 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 05:32:31 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 12.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 12 priority 0 (remaining 0 subscribers).

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:31 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 05:32:31 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 13.

Apr 14 05:32:31 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 13 priority 0 (remaining 0 subscribers).

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:32 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 05:32:32 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 14.

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

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:32 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 05:32:32 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 15.

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 15 priority 0 (remaining 0 subscribers).

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:32 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 05:32:32 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 16.

Apr 14 05:32:32 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 16 priority 0 (remaining 0 subscribers).

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: There is no instance of "/stli_giru-wdm:system-apps/supervision", but it is not required.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 17.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 17 priority 0 (remaining 0 subscribers).

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:33 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 05:32:33 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 18.

Apr 14 05:32:33 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 18 priority 0 (remaining 0 subscribers).

Apr 14 05:32:34 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:34 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:34 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 05:32:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:34 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 19.

Apr 14 05:32:34 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 19 priority 0 (remaining 0 subscribers).

Apr 14 05:32:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:32:34 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 05:32:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:32:34 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 20.

Apr 14 05:32:34 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 20 priority 0 (remaining 0 subscribers).

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: Session 5: thread 1 event new RPC.

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: Session 5: thread 1 event session terminated.

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: Generated new event (netconf-session-end).

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: Call Home client "default-client" session terminated.

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:32:35 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:32:35 garuda auth.info sshd[5805]: Accepted password for installer from 192.168.208.15 port 42828 ssh2

Apr 14 05:32:35 garuda authpriv.info sshd[5805]: pam_unix(sshd:session): session opened for user installer by (uid=0)

Expected Result : The NETCONF server replies rejecting the protocol operation with an "access-denied" error.

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***** Actual Result *****

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Access Control NMS (negative case)	=	SUCCESS
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