



@ FILE NAME: M_CTC_ID_021.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for MCB1: v1.0.1

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 192.168.49.43 --port 830 --login root
```

```
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>
      <password>oranuser</password>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator</name>
      <account-type>PASSWORD</account-type>
      <password>admin1234895</password>
      <enabled>true</enabled>
    </user>
    <user>
      <name>observer</name>
      <account-type>PASSWORD</account-type>
      <password>admin123</password>
      <enabled>true</enabled>
    </user>
    <user>
      <name>installer</name>
      <account-type>PASSWORD</account-type>
      <password>wireless123</password>
      <enabled>true</enabled>
    </user>
    <user>
      <name>garuda</name>
      <account-type>PASSWORD</account-type>
      <password>garuda12345</password>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator11302326379</name>
      <account-type>PASSWORD</account-type>
      <password>Aemlsk9}{2xgQVF</password>
```

```
<enabled>true</enabled>
</user>
<user>
<name>operator44567591</name>
<account-type>PASSWORD</account-type>
<password>yo7)BAFyAm0M7W1lc2mEA_D5[5YytpafL6xTTCXM%Q]~Z2Fv^</password>
<enabled>true</enabled>
</user>
<user>
<name>operator8075861281902</name>
<account-type>PASSWORD</account-type>
<password>GV2QSHVzl}B)vk(!tw2pZhuFkkn%L^E)wgk(Z{KfgXCpdkfEA+NGMY(B^+kDYB8R06v</password>
<enabled>true</enabled>
</user>
<user>
<name>operator17619020756748090</name>
<account-type>PASSWORD</account-type>
<password>nwk75gnD[44LqeBrwKFcBvaUNPKz6gARf_M.EHxwG.EGuk{-n_Os0avM}$XZ}LBYNb+)M!NcV0RunG}_-)9F2gu%nKKsd+X
kOgXvIYxh%QxBQsA7EYqB</password>
<enabled>true</enabled>
</user>
<user>
<name>operator86938204120707827368</name>
<account-type>PASSWORD</account-type>
<password>s8icesF.HI~%FN4_]!MKBMVqa]{RUQkL07x.+)-VmZfAh3nJxwS+y6I!</password>
<enabled>true</enabled>
</user>
<user>
<name>operator7596639986022389968</name>
<account-type>PASSWORD</account-type>
<password>v+Dq5KtKuj(^!x</password>
<enabled>true</enabled>
</user>
<user>
<name>operator0126795795152205</name>
<account-type>PASSWORD</account-type>
<password>RdPIGycV9r]R15N_k7Hnz5wF)vjY~dxBE!v^MxSq4Gke1nCkSCW+1)1z%2}kOtLnjiWbj]EY7QUk%15H0g~QYlrR0bRkZMz1x
TyDy3ca6-r</password>
<enabled>true</enabled>
</user>
<user>
<name>operator119986</name>
<account-type>PASSWORD</account-type>
<password>1Xrl)+$ki)QolcMi)vVRig.u</password>
<enabled>true</enabled>
</user>
<user>
<name>stl</name>
<account-type>PASSWORD</account-type>
```

```
<password>stli12345</password>
<enabled>true</enabled>
</user>
<user>
<name>operator72008202</name>
<account-type>PASSWORD</account-type>
<password>INxRH3HsE</password>
<enabled>true</enabled>
</user>
<user>
<name>operator06308723954138</name>
<account-type>PASSWORD</account-type>
<password>36eb.%^8cvTFI~5SYnjID9E7pVT$A9bJ]VKkDyfolI}Y~1V3uJWrh~]I^o4i}SzQJCD!ufgDHsR5pM-m-xLeMj(vl</password>
<enabled>true</enabled>
</user>
<user>
<name>operator21726001215379102</name>
<account-type>PASSWORD</account-type>
<password>PuUPKD.3JY4^2f1i$T~CTW12CO8yWjU$b}12jZwrb7kpkwd(b%2s1S}</password>
<enabled>true</enabled>
</user>
</users>
</data>
```

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

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

```
=====
The authenticity of the host '::ffff:192.168.49.43' 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      : 4
```

```
Host     : 192.168.49.43
```

```
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
```

=====

Step 2 TER NETCONF client attempts to get the configuration of the o-ran-processing.yang model.

=====

=====

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

=====

=====

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

=====

```
<processing-elements xmlns="urn:o-ran:processing-element:1.0">
<transport-session-type>ETH-INTERFACE</transport-session-type>
<ru-elements>
  <name>element0</name>
  <transport-flow>
    <interface-name>eth1.100</interface-name>
    <eth-flow>
      <ru-mac-address>98:ae:71:00:8a:c2</ru-mac-address>
      <vlan-id>100</vlan-id>
      <o-du-mac-address>64:9d:99:ff:f5:12</o-du-mac-address>
    </eth-flow>
  </transport-flow>
</ru-elements>
</processing-elements>
```

=====

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-processing-element:processing-elements/ru-elements
message   : Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.
```

=====

SYSTEM LOGS

=====

Oct 30 00:39:32 mcb1 daemon.info netopeer2-server[979]: Trying to connect via IPv4 to 192.168.49.88:4334.

Oct 30 00:39:32 mcb1 daemon.info netopeer2-server[979]: getsockopt() error (Connection refused).

Oct 30 00:39:33 mcb1 daemon.info netopeer2-server[979]: Trying to connect via IPv4 to 192.168.49.88:4334.

Oct 30 00:39:33 mcb1 daemon.info netopeer2-server[979]: getsockopt() error (Connection refused).

Oct 30 00:39:33 mcb1 auth.info sshd[4504]: Accepted password for root from 192.168.49.88 port 46732 ssh2

Oct 30 00:39:33 mcb1 authpriv.info sshd[4504]: pam_unix(sshd:session): session opened for user root by (uid=0)

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Trying to connect via IPv4 to 192.168.49.88:4334.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Successfully connected to 192.168.49.88:4334 over IPv4.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Session 98 (user "root", CID 1) created.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Received an SSH message "request-service" of subtype "ssh-userauth".

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Received an SSH message "request-auth" of subtype "password".

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: User "observer" authenticated.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Received an SSH message "request-channel-open" of subtype "session".

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Received an SSH message "request-channel" of subtype "subsystem".

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Call Home client "default-client" session 4 established.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Session 99 (user "root", CID 1) created.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Generated new event (netconf-session-start).

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Published event "rpc" "/ietf-netconf:get" with ID 6 priority 0 for 1 subscribers.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Processing "/ietf-netconf:get" "rpc" event with ID 6 priority 0 (remaining 1 subscribers).

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Successful processing of "rpc" event with ID 6 priority 0 (remaining 0 subscribers).

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Event "rpc" with ID 6 priority 0 succeeded.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Session 4: thread 2 event new RPC.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Published event "rpc" "/ietf-netconf:get" with ID 7 priority 0 for 1 subscribers.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Processing "/ietf-netconf:get" "rpc" event with ID 7 priority 0 (remaining 1 subscribers).

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 3.

Oct 30 00:39:34 mcb1 user.notice fw_manager[1061]: RPC #3 recieved. xpath -> /o-ran-software-management:software-inventory

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Event "operational" with ID 3 succeeded.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: 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.

Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: 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.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: 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.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Successful processing of "rpc" event with ID 7 priority 0 (remaining 0 subscribers).
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Event "rpc" with ID 7 priority 0 succeeded.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: 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.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: 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.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: 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.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Session 4: thread 3 event new RPC.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Published event "rpc" "/ietf-netconf:get-config" with ID 4 priority 0 for 1 subscribers.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Processing "/ietf-netconf:get-config" "rpc" event with ID 4 priority 0 (remaining 1 subscribers).
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Successful processing of "rpc" event with ID 4 priority 0 (remaining 0 subscribers).
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Event "rpc" with ID 4 priority 0 succeeded.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Session 4: thread 3 event new RPC.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Accepted a connection on :::830.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Session 104 (user "root", CID 1) created.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Received an SSH message "request-service" of subtype "ssh-userauth".
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Received an SSH message "request-auth" of subtype "password".
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: User "root" authenticated.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Received an SSH message "request-channel-open" of subtype "session".
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Received an SSH message "request-channel" of subtype "subsystem".
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Session 105 (user "root", CID 1) created.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: There are no subscribers for "ietf-netconf-notifications" notifications.
Oct 30 00:39:34 mcb1 daemon.info netopeer2-server[979]: Generated new event (netconf-session-start).
Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...
Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.
Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...
Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Published event "rpc" "/ietf-netconf:get" with ID 8 priority 0 for 1 subscribers.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Processing "/ietf-netconf:get" "rpc" event with ID 8 priority 0 (remaining 1 subscribers).

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Successful processing of "rpc" event with ID 8 priority 0 (remaining 0 subscribers).

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Event "rpc" with ID 8 priority 0 succeeded.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Session 5: thread 3 event new RPC.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Published event "rpc" "/ietf-netconf:get-config" with ID 5 priority 0 for 1 subscribers.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Processing "/ietf-netconf:get-config" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Event "rpc" with ID 5 priority 0 succeeded.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Session 5: thread 3 event new RPC.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Session 5: thread 3 event new RPC.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Session 5: thread 3 event session terminated.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 30 00:39:35 mcb1 daemon.info netopeer2-server[979]: Generated new event (netconf-session-end).

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Published event "rpc" "/notifications:create-subscription" with ID 3 priority 0 for 1 subscribers.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Processing "/notifications:create-subscription" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Successful processing of "rpc" event with ID 3 priority 0 (remaining 0 subscribers).

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Event "rpc" with ID 3 priority 0 succeeded.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Session 4: thread 2 event new RPC.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Resolving unresolved data nodes and their constraints...

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: All data nodes and constraints resolved.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Published event "rpc" "/ietf-netconf:edit-config" with ID 2 priority 0 for 1 subscribers.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be

performed.

Oct 30 00:39:40 mcb1 daemon.err netopeer2-server[979]: Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Failed processing of "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Oct 30 00:39:40 mcb1 daemon.err netopeer2-server[979]: Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.

Oct 30 00:39:40 mcb1 daemon.warn netopeer2-server[979]: Event "rpc" with ID 2 priority 0 failed (User callback failed).

Oct 30 00:39:40 mcb1 daemon.err netopeer2-server[979]: Failed to send an RPC (User callback failed).

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Session 4: thread 4 event new RPC.

Oct 30 00:39:40 mcb1 daemon.info netopeer2-server[979]: Session 4: thread 4 event reply error.

Oct 30 00:39:45 mcb1 daemon.info netopeer2-server[979]: Session 4: thread 2 event new RPC.

Oct 30 00:39:45 mcb1 daemon.info netopeer2-server[979]: Session 4: thread 2 event session terminated.

Oct 30 00:39:46 mcb1 daemon.info netopeer2-server[979]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 30 00:39:46 mcb1 daemon.info netopeer2-server[979]: Generated new event (netconf-session-end).

Oct 30 00:39:46 mcb1 daemon.info netopeer2-server[979]: Call Home client "default-client" session terminated.

Oct 30 00:39:46 mcb1 daemon.info netopeer2-server[979]: Trying to connect via IPv4 to 192.168.49.88:4334.

Oct 30 00:39:46 mcb1 daemon.info netopeer2-server[979]: getsockopt() error (Connection refused).

Oct 30 00:39:46 mcb1 auth.info sshd[4956]: Accepted password for observer from 192.168.49.88 port 41914 ssh2

Oct 30 00:39:46 mcb1 authpriv.info sshd[4956]: pam_unix(sshd:session): session opened for user observer 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 FM-PM (negative case)	=	SUCCESS
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