



@ 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 192.168.170.37 --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>garuda</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator11302326379</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
    <user>
      <name>operator44567591</name>
      <account-type>PASSWORD</account-type>
      <enabled>true</enabled>
    </user>
  </users>
</data>
```

```
</user>
<user>
  <name>operator8075861281902</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator17619020756748090</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator86938204120707827368</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
<user>
  <name>operator7596639986022389968</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
</user>
</users>
</data>
```

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

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

```
> connect --ssh --host 192.168.170.37 --port 830 --login observer
```

```
Interactive SSH Authentication
```

```
Type your password:
```

```
Password:
```

```
> status
```

```
Current NETCONF session:
```

```
ID      : 29
```

```
Host     : 192.168.170.37
```

```
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=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 29 23:39:22 mcb1 daemon.info netopeer2-server[980]: Trying to connect via IPv4 to 192.168.170.85:4334.

Oct 29 23:39:22 mcb1 daemon.info netopeer2-server[980]: getsockopt() error (Connection refused).

Oct 29 23:39:23 mcb1 user.notice SYNCMNGR[1310]: Received message from S-Plane

Oct 29 23:39:23 mcb1 daemon.info netopeer2-server[980]: Trying to connect via IPv4 to 192.168.170.85:4334.

Oct 29 23:39:23 mcb1 daemon.info netopeer2-server[980]: getsockopt() error (Connection refused).

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Trying to connect via IPv4 to 192.168.170.85:4334.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Successfully connected to 192.168.170.85:4334 over IPv4.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Session 284 (user "root", CID 1) created.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-service" of subtype "ssh-userauth".

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-auth" of subtype "password".

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: User "observer" authenticated.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-channel-open" of subtype "session".

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-channel" of subtype "subsystem".

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Call Home client "default-client" session 29 established.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Session 285 (user "root", CID 1) created.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Generated new event (netconf-session-start).

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get" with ID 42 priority 0 for 1 subscribers.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get" "rpc" event with ID 42 priority 0 (remaining 1 subscribers).

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 42 priority 0 (remaining 0 subscribers).

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 42 priority 0 succeeded.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Session 29: thread 4 event new RPC.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get" with ID 43 priority 0 for 1 subscribers.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get" "rpc" event with ID 43 priority 0 (remaining 1 subscribers).

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 16.

Oct 29 23:39:24 mcb1 user.notice fw_manager[1064]: RPC #16 recieved. xpath -> /o-ran-software-management:software-inventory

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Event "operational" with ID 16 succeeded.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: 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 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: 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 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: 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 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 43 priority 0 (remaining 0 subscribers).

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 43 priority 0 succeeded.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: 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 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: 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 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: 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 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:24 mcb1 daemon.info netopeer2-server[980]: Session 29: thread 4 event new RPC.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get-config" with ID 30 priority 0 for 1 subscribers.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get-config" "rpc" event with ID 30 priority 0 (remaining 1 subscribers).

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 30 priority 0 (remaining 0 subscribers).

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 30 priority 0 succeeded.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Session 29: thread 3 event new RPC.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Accepted a connection on :::830.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Session 290 (user "root", CID 1) created.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-service" of subtype "ssh-userauth".

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-auth" of subtype "password".

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: User "operator" authenticated.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-channel-open" of subtype "session".

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-channel" of subtype "subsystem".

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Session 291 (user "root", CID 1) created.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Generated new event (netconf-session-start).

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get" with ID 44 priority 0 for 1 subscribers.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get" "rpc" event with ID 44 priority 0 (remaining 1 subscribers).

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 44 priority 0 (remaining 0 subscribers).

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 44 priority 0 succeeded.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Session 30: thread 3 event new RPC.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get-config" with ID 31 priority 0 for 1 subscribers.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get-config" "rpc" event with ID 31 priority 0 (remaining 1 subscribers).

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 31 priority 0 (remaining 0 subscribers).

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 31 priority 0 succeeded.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Session 30: thread 3 event new RPC.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Session 30: thread 3 event new RPC.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Session 30: thread 3 event session terminated.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:39:25 mcb1 daemon.info netopeer2-server[980]: Generated new event (netconf-session-end).

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fw_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/nw_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/operations_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/pm_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/um_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sys_monitor

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fault_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/file_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/supervision

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sync_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/ald_controller

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/log_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/radio_manager

Oct 29 23:39:30 mcb1 user.notice wd_manager[1442]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/cli_manager

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/notifications:create-subscription" with ID 11 priority 0 for 1 subscribers.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Processing "/notifications:create-subscription" "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/cli_manager", but it is not required.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 11 priority 0 (remaining 0 subscribers).

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 11 priority 0 succeeded.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Session 29: thread 2 event new RPC.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/pm_manager", but it is not required.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:edit-config" with ID 12 priority 0 for 1 subscribers.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 12 priority 0 (remaining 1 subscribers).

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Oct 29 23:39:30 mcb1 daemon.err netopeer2-server[980]: Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Failed processing of "rpc" event with ID 12 priority 0 (remaining 1 subscribers).

Oct 29 23:39:30 mcb1 daemon.err netopeer2-server[980]: Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.

Oct 29 23:39:30 mcb1 daemon.warn netopeer2-server[980]: Event "rpc" with ID 12 priority 0 failed (User callback failed).

Oct 29 23:39:30 mcb1 daemon.err netopeer2-server[980]: Failed to send an RPC (User callback failed).

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Session 29: thread 4 event new RPC.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Session 29: thread 4 event reply error.

Oct 29 23:39:30 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/file_manager", but it is not required.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/fw_manager", but it is not required.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 4.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/sync_manager", but it is not

required.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 5.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 5 priority 0 (remaining 0 subscribers).

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/fault_manager", but it is not required.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 6.

Oct 29 23:39:31 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 6 priority 0 (remaining 0 subscribers).

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/supervision", but it is not required.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 7.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 7 priority 0 (remaining 0 subscribers).

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/ald_controller", but it is not required.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 8.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 8 priority 0 (remaining 0 subscribers).

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/nw_manager", but it is not required.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 9.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 9 priority 0 (remaining 0 subscribers).

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/operations_manager", but it is not required.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 10.

Oct 29 23:39:32 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 10 priority 0 (remaining 0 subscribers).

Oct 29 23:39:33 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:33 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/log_manager", but it is not required.

Oct 29 23:39:33 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:33 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 11.

Oct 29 23:39:33 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 11 priority 0 (remaining 0 subscribers).

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/sys_monitor", but it is not required.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 12.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 12 priority 0 (remaining 0 subscribers).

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/um_manager", but it is not required.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 13.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 13 priority 0 (remaining 0 subscribers).

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: There is no instance of "/vvdn_mcel-wdm:system-apps/radio_manager", but it is not required.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 14.

Oct 29 23:39:34 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 14 priority 0 (remaining 0 subscribers).

Oct 29 23:39:36 mcb1 daemon.info netopeer2-server[980]: Session 29: thread 2 event new RPC.

Oct 29 23:39:36 mcb1 daemon.info netopeer2-server[980]: Session 29: thread 2 event session terminated.

Oct 29 23:39:36 mcb1 daemon.info netopeer2-server[980]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:39:36 mcb1 daemon.info netopeer2-server[980]: Generated new event (netconf-session-end).

Oct 29 23:39:36 mcb1 daemon.info netopeer2-server[980]: Call Home client "default-client" session terminated.

Oct 29 23:39:36 mcb1 daemon.info netopeer2-server[980]: Trying to connect via IPv4 to 192.168.170.85:4334.

Oct 29 23:39:36 mcb1 daemon.info netopeer2-server[980]: getsockopt() error (Connection refused).

Oct 29 23:39:36 mcb1 auth.info sshd[28750]: Accepted password for observer from 192.168.170.85 port 49202 ssh2

Oct 29 23:39:36 mcb1 authpriv.info sshd[28750]: 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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