



@ FILE NAME: M_CTC_ID_021.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda: v5.0.4

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 192.168.22.37 --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>



\\ use1\rangle
<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>

</data>



****** Connect to the NETCONF Server *******

> listen --ssh --login observer

Waiting 60s for an SSH Call Home connection on port 4334...

The authenticity of the host '::ffff:192.168.22.37' 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 : 192.168.22.37

Port: 830 Transport: SSH Capabilities:

urn:ietf:params:netconf:base:1.0 urn:ietf:params:netconf:base:1.1 urn:ietf:params:netconf:capability:writable-running:1.0

urn:ietf:params:netconf:capability:candidate:1.0 urn:ietf:params:netconf:capability:rollback-on-error:1.0

urn:ietf:params:netconf:capability:validate:1.1 urn:ietf:params:netconf:capability:startup:1.0 urn:ietf:params:netconf:capability:xpath:1.0

urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,explicit

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

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, rollback-on-error, rollback-on-

 $ate, startup, url, xpath\ urn: ietf: params: xml: ns: yang: ietf-netconf-with-defaults? module = ietf-netconf-with-defaults \& revision = 2011-06-01. The parameters of the p$

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

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

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

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

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

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

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

> subscribe



Ok



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 ****** cprocessing-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>eth0.100</interface-name> <eth-flow> <ru-mac-address>98:ae:71:01:64:d8</ru-mac-address> <vlan-id>100</vlan-id> <o-du-mac-address>64:9d:99:b1:7e:62</o-du-mac-address> </eth-flow> </transport-flow> </ru-elements>

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

ERROR

type : protocol tag : access-denied severity : error

 $path \hspace{1cm} : \hspace{1cm} / o-ran-processing-element: processing-elements/ru-elements/transport-flow/eth-flow/o-du-mac-address$

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



Apr 14 05:30:54 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:30:54 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:30:54 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:30:54 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Session 164 (user "root", CID 1) created.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: User "observer" authenticated.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Call Home client "default-client" session 5 established.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Session 165 (user "root", CID 1) created.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Generated new event (netconf-session-start).

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 11 priority 0 for 1 subscribers.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 11 priority 0 (remaining 1 subscribers).

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 11 priority 0 (remaining 0 subscribers).

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 11 priority 0 succeeded.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Session 5: thread 1 event new RPC.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 12 priority 0 for 1 subscribers.

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 12 priority 0 (remaining 1 subscribers).

Apr 14 05:30:55 garuda daemon.info netopeer2-server[860]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 5.

Apr 14 05:30:55 garuda user.notice fw_manager[937]: RPC #5 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Event "operational" with ID 5 succeeded.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 12 priority 0 (remaining 0 subscribers).

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 12 priority 0 succeeded.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Session 5: thread 1 event new RPC.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get-config" with ID 9 priority 0 for 1 subscribers.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get-config" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 9 priority 0 succeeded.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Session 5: thread 0 event new RPC.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Accepted a connection on :::830.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Session 170 (user "root", CID 1) created.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: User "operator" authenticated.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Session 171 (user "root", CID 1) created.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Generated new event (netconf-session-start).



Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get" with ID 13 priority 0 for 1 subscribers.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get" "rpc" event with ID 13 priority 0 (remaining 1 subscribers).

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 13 priority 0 (remaining 0 subscribers).

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 13 priority 0 succeeded.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Session 6: thread 0 event new RPC.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:get-config" with ID 10 priority 0 for 1 subscribers.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:get-config" "rpc" event with ID 10 priority 0 (remaining 1 subscribers).

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 10 priority 0 (remaining 0 subscribers).

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 10 priority 0 succeeded.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: 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 05:30:56 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:30:56 garuda daemon.info netopeer2-server[860]: Session 6: thread 0 event new RPC.

Apr 14 05:30:57 garuda daemon.info netopeer2-server[860]: Session 6: thread 0 event new RPC.

Apr 14 05:30:57 garuda daemon.info netopeer2-server[860]: Session 6: thread 0 event session terminated.

Apr 14 05:30:57 garuda daemon.info netopeer2-server[860]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:30:57 garuda daemon.info netopeer2-server[860]: Generated new event (netconf-session-end).

Apr 14 05:30:57 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:30:57 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:30:58 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:30:58 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:30:59 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:30:59 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:00 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:00 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:01 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:01 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.



Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/notifications:create-subscription" with ID 5 priority 0 for 1 subscribers.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Processing "/notifications:create-subscription" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Event "rpc" with ID 5 priority 0 succeeded.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Session 5: thread 2 event new RPC.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Resolving unresolved data nodes and their constraints...

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: All data nodes and constraints resolved.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Published event "rpc" "/ietf-netconf:edit-config" with ID 3 priority 0 for 1 subscribers.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Apr 14 05:31:02 garuda daemon.err netopeer2-server[860]: Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Failed processing of "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

Apr 14 05:31:02 garuda daemon.err netopeer2-server[860]: Access to the data model "o-ran-processing-element" is denied because "observer" NACM authorization failed.

Apr 14 05:31:02 garuda daemon.warn netopeer2-server[860]: Event "rpc" with ID 3 priority 0 failed (User callback failed).

Apr 14 05:31:02 garuda daemon.err netopeer2-server[860]: Failed to send an RPC (User callback failed).

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Session 5: thread 4 event new RPC.

Apr 14 05:31:02 garuda daemon.info netopeer2-server[860]: Session 5: thread 4 event reply error.

Apr 14 05:31:03 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:03 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:04 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:04 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:05 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:05 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:05 garuda user.notice SYNCMNGR[1183]: Received message from S-Plane

Apr 14 05:31:06 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:06 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: Session 5: thread 0 event new RPC.

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: Session 5: thread 0 event session terminated.

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: Generated new event (netconf-session-end).

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: Call Home client "default-client" session terminated.

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:07 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:31:07 garuda auth.info sshd[6078]: Accepted password for observer from 192.168.22.208 port 57054 ssh2

Apr 14 05:31:07 garuda authpriv.info sshd[6078]: 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 **********	
Access Control FM-PM (negative case) = SUCCESS	
Access Control PM-1 M (negative case) — SUCCESS	