



@ FILE NAME: M_CTC_ID_022.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

=====

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

=====

> connect --ssh --host 192.168.170.37 --port 830 --login operator

Interactive SSH Authentication

Type your password:

Password:

> status

Current NETCONF session:

ID : 13

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

```
=====
##### Initial Get Filter #####
=====
```

```
=====
> 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>
  <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>
</users>
</data>
```

```
=====
> 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>operator7596639986022389968</name>
    <account-type>PASSWORD</account-type>
    <password>v+Dq5KtKuj(^!x</password>
    <enabled>true</enabled>
  </user>
</users>
</config>
```

```
-----
Ok
-----
```

```
=====
***** NOTIFICATIONS *****
=====
```

```
<?xml version="1.0" ?>
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
<eventTime>2103-10-29T23:24:46Z</eventTime>
<netconf-config-change xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-notifications">
<changed-by>
  <username>root</username>
  <session-id>13</session-id>
</changed-by>
<datastore>running</datastore>
<edit>
```

```
<target
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator75966399860223
89968']</target>
<operation>create</operation>
</edit>
<edit>
<target
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator75966399860223
89968']/o-ran-usermgmt:name</target>
<operation>create</operation>
</edit>
<edit>
<target
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator75966399860223
89968']/o-ran-usermgmt:account-type</target>
<operation>create</operation>
</edit>
<edit>
<target
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator75966399860223
89968']/o-ran-usermgmt:password</target>
<operation>create</operation>
</edit>
<edit>
<target
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator75966399860223
89968']/o-ran-usermgmt:enabled</target>
<operation>create</operation>
</edit>
</netconf-config-change>
</notification>
```

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

```
=====
***** Replace with below xml *****
=====
```

```
<config xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
<nacm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">
<groups>
<group>
<name>swm</name>
<user-name>operator7596639986022389968</user-name>
</group>
</groups>
</nacm>
</config>
```

Ok

```
=====
***** NOTIFICATIONS *****
=====
```

```
<?xml version="1.0" ?>
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
  <eventTime>2103-10-29T23:24:47Z</eventTime>
  <netconf-config-change xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-notifications">
    <changed-by>
      <username>root</username>
      <session-id>13</session-id>
    </changed-by>
    <datastore>running</datastore>
    <edit>
      <target
xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:groups/nacm:group[nacm:name='swm']/nacm:user-name[.='opera
tor7596639986022389968']</target>
      <operation>create</operation>
    </edit>
  </netconf-config-change>
</notification>
```

```
=====
> get --filter-xpath /ietf-netconf-acm:nacm/groups
=====
```

```
<?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">
  <nacm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">
    <groups>
      <group>
        <name>sudo</name>
        <user-name>operator</user-name>
      </group>
      <group>
        <name>fm-pm</name>
        <user-name>observer</user-name>
      </group>
      <group>
        <name>nms</name>
        <user-name>installer</user-name>
      </group>
      <group>
        <name>swm</name>
        <user-name>operator86938204120707827368</user-name>
        <user-name>operator7596639986022389968</user-name>
      </group>
    </groups>
  </nacm>
</data>
```

```
=====
> 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>
    <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>
```

=====

STEP 1 TER NETCONF client establishes a connection using a user account with swm privileges.

=====

=====

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

=====

```
> connect --ssh --host 192.168.170.37 --port 830 --login operator7596639986022389968
Interactive SSH Authentication
Type your password:
Password:
> status
Current NETCONF session:
ID      : 14
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 configure a new o-ran-sync.yang on the NETCONF server.

=====

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

```
=====
***** Replace with below xml *****
=====
```

```
<sync xmlns="urn:o-ran:sync:1.0">
<ptp-config>
<domain-number>24</domain-number>
<accepted-clock-classes>
<clock-classes>255</clock-classes>
</accepted-clock-classes>
<ptp-profile>G_8275_1</ptp-profile>
<g-8275-1-config>
<multicast-mac-address>FORWARDABLE</multicast-mac-address>
<delay-asymmetry>0</delay-asymmetry>
</g-8275-1-config>
</ptp-config>
<ptp-status>
<reporting-period>10</reporting-period>
</ptp-status>
<sync-config>
<acceptance-list-of-ssm>EEC1</acceptance-list-of-ssm>
<ssm-timeout>10</ssm-timeout>
</sync-config>
<sync-status>
<reporting-period>10</reporting-period>
</sync-status>
</sync>
```

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

ERROR

```
type      : access-denied
tag       : protocol
severity  : error
path      : /o-ran-sync:sync/sync-config/acceptance-list-of-ssm
message   : Access to the data model "o-ran-sync" is denied because "operator7596639986022389968" NACM authorization failed.
```

=====

SYSTEM LOGS

=====

Oct 29 23:24:38 mcb1 daemon.info netopeer2-server[980]: Trying to connect via IPv4 to 192.168.170.85:4334.

Oct 29 23:24:38 mcb1 daemon.info netopeer2-server[980]: getsockopt() error (Connection refused).

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

Oct 29 23:24:39 mcb1 daemon.info netopeer2-server[980]: getsockopt() error (Connection refused).

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Trying to connect via IPv4 to 192.168.170.85:4334.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Successfully connected to 192.168.170.85:4334 over IPv4.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Session 180 (user "root", CID 1) created.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-service" of subtype "ssh-userauth".

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-auth" of subtype "password".

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: User "operator" authenticated.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-channel-open" of subtype "session".

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-channel" of subtype "subsystem".

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Call Home client "default-client" session 13 established.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Session 181 (user "root", CID 1) created.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Generated new event (netconf-session-start).

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get" with ID 19 priority 0 for 1 subscribers.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get" "rpc" event with ID 19 priority 0 (remaining 1 subscribers).

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 19 priority 0 (remaining 0 subscribers).

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 19 priority 0 succeeded.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:40 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 1 event new RPC.

Oct 29 23:24:40 mcb1 user.notice SYNCMNGR[1310]: Received message from S-Plane

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get" with ID 20 priority 0 for 1 subscribers.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get" "rpc" event with ID 20 priority 0 (remaining 1 subscribers).

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 8.

Oct 29 23:24:41 mcb1 user.notice fw_manager[1064]: RPC #8 recieved. xpath -> /o-ran-software-management:software-inventory

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Event "operational" with ID 8 succeeded.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 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 23:24:41 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 23:24:41 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 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 20 priority 0 (remaining 0 subscribers).

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 20 priority 0 succeeded.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 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 23:24:41 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 23:24:41 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 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 1 event new RPC.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get-config" with ID 14 priority 0 for 1 subscribers.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get-config" "rpc" event with ID 14 priority 0 (remaining 1 subscribers).

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 14 priority 0 (remaining 0 subscribers).

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 14 priority 0 succeeded.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:41 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 23:24:41 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 23:24:41 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:41 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 4 event new RPC.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/notifications:create-subscription" with ID 6 priority 0 for 1 subscribers.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Processing "/notifications:create-subscription" "rpc" event with ID 6 priority 0 (remaining 1 subscribers).

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 6 priority 0 (remaining 0 subscribers).

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 6 priority 0 succeeded.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 1 event new RPC.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get-config" with ID 15 priority 0 for 1 subscribers.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get-config" "rpc" event with ID 15 priority 0 (remaining 1 subscribers).

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 15 priority 0 (remaining 0 subscribers).

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 15 priority 0 succeeded.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 2 event new RPC.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:edit-config" with ID 6 priority 0 for 1 subscribers.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 6 priority 0 (remaining 1 subscribers).

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Published event "change" "o-ran-usermgmt" with ID 2 priority 0 for 1 subscribers.

Oct 29 23:24:46 mcb1 user.notice USERMGMT[1052]: operator7596639986022389968 added successfully !!

Oct 29 23:24:46 mcb1 user.notice USERMGMT[1052]: operator7596639986022389968 enabled !!

Oct 29 23:24:46 mcb1 user.notice USERMGMT[1052]: END OF CHANGES

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Event "change" with ID 2 priority 0 succeeded.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Published event "done" "o-ran-usermgmt" with ID 2 priority 0 for 1 subscribers.

Oct 29 23:24:46 mcb1 user.notice USERMGMT[1052]: END OF CHANGES

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']/name", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']/account-type", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']/password", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']/enabled", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Published event "notif" "ietf-netconf-notifications" with ID 2 priority 0 for 1 subscribers.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']/name", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']/account-type", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']/password", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/o-ran-usermgmt:users/user[name='operator7596639986022389968']/enabled", but it is not required.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 6 priority 0 (remaining 0 subscribers).

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 6 priority 0 succeeded.

Oct 29 23:24:46 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 4 event new RPC.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:edit-config" with ID 7 priority 0 for 1 subscribers.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 7 priority 0 (remaining 1 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Published event "done" "ietf-netconf-acm" with ID 4 priority 0 for 4 subscribers.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Processing "ietf-netconf-acm" "done" event with ID 4 priority 0 (remaining 4 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Successful processing of "done" event with ID 4 priority 0 (remaining 0 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Published event "notif" "ietf-netconf-notifications" with ID 3 priority 0 for 1 subscribers.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: There is no instance of
"/ietf-netconf-acm:nacm/groups/group[name='swm']/user-name[.='operator7596639986022389968']", but it is not required.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 7 priority 0 (remaining 0 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 7 priority 0 succeeded.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 1 event new RPC.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get-config" with ID 16 priority 0 for 1 subscribers.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get-config" "rpc" event with ID 16 priority 0 (remaining 1 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 16 priority 0 (remaining 0 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 16 priority 0 succeeded.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 2 event new RPC.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:get-config" with ID 17 priority 0 for 1 subscribers.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:get-config" "rpc" event with ID 17 priority 0 (remaining 1 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 17 priority 0 (remaining 0 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 17 priority 0 succeeded.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 1 event new RPC.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 2 event new RPC.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 13: thread 2 event session terminated.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Generated new event (netconf-session-end).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Call Home client "default-client" session terminated.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Trying to connect via IPv4 to 192.168.170.85:4334.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: getsockopt() error (Connection refused).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Accepted a connection on :::830.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 202 (user "root", CID 1) created.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-service" of subtype "ssh-userauth".

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-auth" of subtype "password".

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: User "operator7596639986022389968" authenticated.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-channel-open" of subtype "session".

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Received an SSH message "request-channel" of subtype "subsystem".

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 203 (user "root", CID 1) created.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Generated new event (netconf-session-start).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/notifications:create-subscription" with ID 7 priority 0 for 1 subscribers.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Processing "/notifications:create-subscription" "rpc" event with ID 7 priority 0 (remaining 1 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Successful processing of "rpc" event with ID 7 priority 0 (remaining 0 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Event "rpc" with ID 7 priority 0 succeeded.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 14: thread 0 event new RPC.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Resolving unresolved data nodes and their constraints...

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: All data nodes and constraints resolved.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Published event "rpc" "/ietf-netconf:edit-config" with ID 8 priority 0 for 1 subscribers.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 8 priority 0 (remaining 1 subscribers).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Oct 29 23:24:47 mcb1 daemon.err netopeer2-server[980]: Access to the data model "o-ran-sync" is denied because "operator7596639986022389968" NACM authorization failed.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Failed processing of "rpc" event with ID 8 priority 0 (remaining 1 subscribers).

Oct 29 23:24:47 mcb1 daemon.err netopeer2-server[980]: Access to the data model "o-ran-sync" is denied because "operator7596639986022389968" NACM authorization failed.

Oct 29 23:24:47 mcb1 daemon.warn netopeer2-server[980]: Event "rpc" with ID 8 priority 0 failed (User callback failed).

Oct 29 23:24:47 mcb1 daemon.err netopeer2-server[980]: Failed to send an RPC (User callback failed).

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 14: thread 1 event new RPC.

Oct 29 23:24:47 mcb1 daemon.info netopeer2-server[980]: Session 14: thread 1 event reply error.

Oct 29 23:24:48 mcb1 daemon.info netopeer2-server[980]: Session 14: thread 1 event new RPC.

Oct 29 23:24:48 mcb1 daemon.info netopeer2-server[980]: Session 14: thread 1 event session terminated.

Oct 29 23:24:48 mcb1 daemon.info netopeer2-server[980]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:24:48 mcb1 daemon.info netopeer2-server[980]: Generated new event (netconf-session-end).

Oct 29 23:24:48 mcb1 auth.info sshd[17508]: Accepted password for operator from 192.168.170.85 port 57008 ssh2

Oct 29 23:24:48 mcb1 authpriv.info sshd[17508]: pam_unix(sshd:session): session opened for user operator 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 SWM (negative case)	=	SUCCESS
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