



@ FILE NAME: M_CTC_ID_022.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for MC1: v1.0.5

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 *******

> status

Current NETCONF session:

ID : 53

Host : 192.168.4.43

Port: 830 Transport: SSH Capabilities:

urn:ietf:params:netconf:base:1.0 urn:ietf:params:netconf:base:1.1 urn:ietf:params:netconf:capability:writable-running:1.0 urn:ietf:params:netconf:capability:candidate:1.0 urn:ietf:params:netconf:capability:rollback-on-error:1.0 urn:ietf:params:netconf:capability:validate:1.1 urn:ietf:params:netconf:capability:startup:1.0 urn:ietf:params:netconf:capability:xpath:1.0 urn:ietf:params:netconf:capability:with-defaults:1.0?basic-mode=explicit&also-supported=report-all,report-all-tagged,trim,explicit urn:ietf:params:netconf:capability:notification:1.0 urn:ietf:params:netconf:capability:interleave:1.0 urn:ietf:params:xml:ns:yang:ietf-yang-metadata?module=ietf-yang-metadata&revision=2016-08-05 urn:ietf:params:xml:ns:yang:1?module=yang&revision=2017-02-20 urn:ietf:params:xml:ns:yang:ietf-inet-types?module=ietf-inet-types&revision=2013-07-15 urn:ietf:params:xml:ns:yang:ietf-yang-types?module=ietf-yang-types&revision=2013-07-15 urn:ietf:params:netconf:capability:yang-library:1.1?revision=2019-01-04&content-id=63 urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10 urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14 urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,valid ate,startup,url,xpath urn:ietf:params:xml:ns:yang:ietf-netconf-with-defaults?module=ietf-netconf-with-defaults&revision=2011-06-01 urn:ietf:params:xml:ns:yang:ietf-netconf-notifications?module=ietf-netconf-notifications&revision=2012-02-06 urn:ietf:params:xml:ns:yang:ietf-netconf-monitoring?module=ietf-netconf-monitoring&revision=2010-10-04 urn:ietf:params:xml:ns:netconf:notification:1.0?module=notifications&revision=2008-07-14 urn:ietf:params:xml:ns:netmod:notification?module=nc-notifications&revision=2008-07-14 urn:ietf:params:xml:ns:yang:ietf-x509-cert-to-name?module=ietf-x509-cert-to-name&revision=2014-12-10 urn:ietf:params:xml:ns:yang:iana-crypt-hash?module=iana-crypt-hash&revision=2014-08-06 urn:notification_history?module=notification_history urn:ietf:params:xml:ns:yang:iana-if-type?module=iana-if-type&revision=2017-01-19

> subscribe

Ok



####### 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>operator4902007191052112</name> <account-type>PASSWORD</account-type> <enabled>true</enabled> </user> <user> <name>operator839366804111370</name> <account-type>PASSWORD</account-type> <enabled>true</enabled> </user> <user> <name>operator49793707</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>operator56631037906427049</name>
           <account-type>PASSWORD</account-type>
<password>o[[+gjoj0CEk4)idJxhzkd.O9PyYQbh^0!olASLg]36gSOSNGb7n[kJ~4eFLsr-[o+U3r~v5ZE7+1$EzRt9pn.KVA{1}M</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>2103-10-29T23:15:33Z</eventTime>
<netconf-config-change xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-notifications">
 <changed-by>
 <username>root</username>
 <session-id>53</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='operator56631037906427
049']</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:users/o-ran-usermgmt:name='operator56631037906427
049']/o-ran-usermgmt:name</target>
 <operation>create</operation>
 </edit>
 <edit>
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator56631037906427
```



<pre></pre> <pre><</pre>]/o-ran-usermgmt:account-type	
<pre><edit> <target xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:users/o-ran-usermgmt:name="operator56631037906427 049]/o-ran-usermgmt:password</target> <operation></operation></edit> <dit> <a href="cellpadding-tellpadd</th><th>operation>create</operation></th><th></th></tr><tr><th><pre>target xmlns:o-ran-usermgmt=" urn:o-ran:user-mgmt:1.0"="">/o-ran-usermgmt:user(o-ran-usermgmt:name='operator56631037906427 049'/o-ran-usermgmt:password <pre></pre></dit></pre>	odit>	
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:users/o-ran-usermgmt:name="operator56631037906427 049]/o-ran-usermgmt:password	dit>	
operation>create <pre>coperation>create</pre> <pre>cdit> cdit> cdit> ctarget xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator56631037906427 0497/o-ran-usermgmt:enabled coperation>create</pre> <pre>coperation>create</pre> <pre>//otification> ###################################</pre>	arget	
<pre>coperation>create</pre> /edit> /edit= /	ns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator566310379064	427
<pre> <edit> <target xmlns:o-ran-usermgmt="um:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator56631037906427 0497]/o-ran-usermgmt:enabled</target> <pre> <pre> <pre> <pre> </pre> </pre> <pre> <pre> <pre> </pre> <pre> <p< th=""><th>]/o-ran-usermgmt:password</th><th></th></p<></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></edit></pre>]/o-ran-usermgmt:password	
<pre><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='operator56631037906427 049']/o-ran-usermgmt:enabled</target> <operation>create</operation> </edit> ********** Replace with below xml ********* **************************</pre>	operation>create	
<pre><target xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:users/o-ran-usermgmt:name='operator56631037906427 049']/o-ran-usermgmt:enabled</target> <pre></pre></pre>	odit>	
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:users/o-ran-usermgmt:name='operator56631037906427 049"/o-ran-usermgmt:enabled <operation>cedit> edit-configtarget runningconfigdefop merge ********* Replace with below xml ********* config xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> name>swm rane>cyroup> cname>swm /group> <</operation>	dit>	
049"]/o-ran-usermgmt:enabled <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre><pre></pre> <pre></pre> <pre><pre></pre> <pre><pre></pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	arget	
<pre><peration>create</peration></pre> <pre></pre> <pre><!--</th--><th>ns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator566310379064</th><th>427</th></pre>	ns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator566310379064	427
<pre>//edit> > edit-configtarget runningconfigdefop merge </pre>]/o-ran-usermgmt:enabled	
<pre> > edit-configtarget runningconfigdefop merge ==================================</pre>	pperation>create	
<pre> </pre> <pre> <pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>	edit>	
> edit-configtarget runningconfigdefop 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> <groups <name="">swm <user-name>operator56631037906427049</user-name> </groups></groups></nacm></config>	etconf-config-change>	
******* Replace with below xml *******	ptification>	
<pre><config xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> <nacm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"> <groups></groups></nacm></config></pre>	dit-configtarget runningconfigdefop merge	
<nacm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"> <groups> <group> <name>swm</name> <user-name>operator56631037906427049</user-name> </group></groups></nacm>	dit-configtarget runningconfigdefop merge	
<nacm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"> <groups> <group> <name>swm</name> <user-name>operator56631037906427049</user-name> </group></groups></nacm>		
<group> <name>swm</name> <user-name>operator56631037906427049</user-name> </group>	**** Replace with below xml *******	
<name>swm</name> <user-name>operator56631037906427049</user-name>	***** Replace with below xml ****** ifig xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">	
<user-name>operator56631037906427049</user-name>	***** Replace with below xml ******* Infig xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> Infig xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">	
	***** Replace with below xml ****** Infig xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> Infig xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">	
	***** Replace with below xml ****** infig xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> cm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"> roups> group>	
	***** Replace with below xml ****** Infig xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> Infig xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">	
	***** Replace with below xml ******* Infig xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> Infig xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"> Infig xmlns="urn:ietf:params:xml:	
	****** Replace with below xml ******* Infig xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> Infig xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">	
	***** Replace with below xml ****** ***** Replace with below xml ******* *********** ************ ****	
Ok	#**** Replace with below xml ******* Infig xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"> Infig xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm"> Infig xmlns="urn:ietf:params:xml:	



***** NOTIFICATIONS ****** <?xml version="1.0" ?> <notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0"> <eventTime>2103-10-29T23:15:33Z</eventTime> <netconf-config-change xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-notifications"> <changed-by> <username>root</username> <session-id>53</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 tor56631037906427049']</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> <user-name>operator4902007191052112</user-name> </group> <group> <name>nms</name> <user-name>installer</user-name> <user-name>operator839366804111370</user-name> </group> <group>

</group>

<name>swm</name>

<user-name>operator49793707</user-name>

<user-name>operator56631037906427049</user-name>





</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>operator4902007191052112</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
 </user>
 <user>
 <name>operator839366804111370</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
 </user>
 <user>
 <name>operator49793707</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
 </user>
 <user>
 <name>operator56631037906427049</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 ********

> listen --ssh --login operator

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

The authenticity of the host '::ffff:192.168.4.43' cannot be established.

ssh-rsa key fingerprint is c0:7c:63:5d:4b:85:e7:27:e0:7e:f0:44:38:4e:ab:83

Interactive SSH Authentication done.

> status

Current NETCONF session:

ID : 54

Host : 192.168.4.43

Port: 830 Transport: SSH

Capabilities:

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

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

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

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

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

 $urn: ietf: params: xml: ns: yang: ietf-yang-metadata? module = ietf-yang-metadata \& revision = 2016-08-05 \\ ietf-yang-metadata = ietf$

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-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

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

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> <synce-config> <acceptance-list-of-ssm>EEC1</acceptance-list-of-ssm> <ssm-timeout>10</ssm-timeout> </synce-config> <synce-status> <reporting-period>10</reporting-period> </synce-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/synce-config/acceptance-list-of-ssm

message : Access to the data model "o-ran-sync" is denied because "operator 56631037906427049" NACM authorization failed.



- Oct 29 23:15:24 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4334.
- Oct 29 23:15:24 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (Connection refused).
- Oct 29 23:15:25 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4334.
- Oct 29 23:15:25 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (Connection refused).
- Oct 29 23:15:25 mcb1 user.notice SYNCMNGR[1313]: Received message from S-Plane
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4334.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Successfully connected to 192.168.4.15:4334 over IPv4.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Session 673 (user "root", CID 1) created.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-service" of subtype "ssh-userauth".
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-auth" of subtype "password".
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: User "operator" authenticated.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-channel-open" of subtype "session".
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-channel" of subtype "subsystem".
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Call Home client "default-client" session 53 established.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Session 674 (user "root", CID 1) created.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: There are no subscribers for "ietf-netconf-notifications" notifications.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Generated new event (netconf-session-start).
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get" with ID 128 priority 0 for 1 subscribers.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get" "rpc" event with ID 128 priority 0 (remaining 1 subscribers).
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 128 priority 0 (remaining 0 subscribers).
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 128 priority 0 succeeded.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:26 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 0 event new RPC.
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get" with ID 129 priority 0 for 1 subscribers.
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get" "rpc" event with ID 129 priority 0 (remaining 1 subscribers).
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 21.
- Oct 29 23:15:27 mcb1 user.notice fw_manager[1067]: RPC #21 recieved. xpath -> /o-ran-software-management:software-inventory
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Event "operational" with ID 21 succeeded.
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: There is no leafref
- "/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "VVDN=O-RU", but it is not required.
- Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: 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 23:15:27 mcb1 daemon.info netopeer2-server[986]: 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 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 129 priority 0 (remaining 0 subscribers).

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 129 priority 0 succeeded.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "VVDN=O-RU", but it is not required.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: 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 23:15:27 mcb1 daemon.info netopeer2-server[986]: 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 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 0 event new RPC.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get-config" with ID 27 priority 0 for 1 subscribers.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get-config" "rpc" event with ID 27 priority 0 (remaining 1 subscribers).

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 27 priority 0 (remaining 0 subscribers).

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 27 priority 0 succeeded.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: 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 23:15:27 mcb1 daemon.info netopeer2-server[986]: 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 23:15:27 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:27 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 2 event new RPC.

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fw_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/nw_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/operations_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/pm_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/um_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sys_monitor

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fault_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/file_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/supervision

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sync_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/ald_controller

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/log_manager

Oct 29 23:15:27 mcb1 user.notice wd manager[1448]: Value is 1 for Xpath /vvdn mcel-wdm:system-apps/radio_manager

Oct 29 23:15:27 mcb1 user.notice wd_manager[1448]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/cli_manager

Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...



- Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/notifications:create-subscription" with ID 15 priority 0 for 1 subscribers.
- Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: Processing "/notifications:create-subscription" "rpc" event with ID 15 priority 0 (remaining 1 subscribers).
- Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 15 priority 0 (remaining 0 subscribers).
- Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 15 priority 0 succeeded.
- Oct 29 23:15:32 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 2 event new RPC.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get-config" with ID 28 priority 0 for 1 subscribers.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get-config" "rpc" event with ID 28 priority 0 (remaining 1 subscribers).
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 28 priority 0 (remaining 0 subscribers).
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 28 priority 0 succeeded.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 1 event new RPC.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- $Oct\ 29\ 23:15:33\ mcb1\ daemon. info\ net opeer 2-server [986]:\ Resolving\ unresolved\ data\ nodes\ and\ their\ constraints...$
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:edit-config" with ID 4 priority 0 for 1 subscribers.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 4 priority 0 (remaining 1 subscribers).
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "change" "o-ran-usermgmt" with ID 2 priority 0 for 1 subscribers.
- Oct 29 23:15:33 mcb1 user.notice USERMGMT[1056]: operator56631037906427049 added successfully !!
- Oct 29 23:15:33 mcb1 user.notice USERMGMT[1056]: operator56631037906427049 enabled !!
- Oct 29 23:15:33 mcb1 user.notice USERMGMT[1056]: END OF CHANGES
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Event "change" with ID 2 priority 0 succeeded.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "done" "o-ran-usermgmt" with ID 2 priority 0 for 1 subscribers.
- Oct 29 23:15:33 mcb1 user.notice USERMGMT[1056]: END OF CHANGES
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of
- "/o-ran-usermgmt:users/user[name='operator56631037906427049']", but it is not required.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of
- $"/o-ran-usermgmt: users/user[name='operator 56631037906427049']/name", \ but \ it \ is \ not \ required.$
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of
- "/o-ran-usermgmt:users/user[name='operator56631037906427049']/account-type", but it is not required.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of
- "/o-ran-usermgmt:users/user[name='operator56631037906427049']/password", but it is not required.



Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator56631037906427049']/enabled", but it is not required.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "notif" "ietf-netconf-notifications" with ID 2 priority 0 for 1 subscribers.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 4 priority 0 (remaining 0 subscribers).

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of

"/o-ran-usermgmt:users/users/users/users/operator56631037906427049']", but it is not required.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator56631037906427049']/name", but it is not required.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator56631037906427049']/account-type", but it is not required.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator56631037906427049']/password", but it is not required.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator56631037906427049']/enabled", but it is not required.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 4 priority 0 succeeded.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 1 event new RPC.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:edit-config" with ID 5 priority 0 for 1 subscribers.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 5 priority 0 (remaining 1 subscribers).

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "done" "ietf-netconf-acm" with ID 4 priority 0 for 4 subscribers.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "ietf-netconf-acm" "done" event with ID 4 priority 0 (remaining 4 subscribers).

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "done" event with ID 4 priority 0 (remaining 0 subscribers).

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "notif" "ietf-netconf-notifications" with ID 3 priority 0 for 1 subscribers.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: There is no instance of

"/ietf-netconf-acm:nacm/groups/group[name='swm']/user-name[.='operator56631037906427049']", but it is not required.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 5 priority 0 (remaining 0 subscribers).

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 5 priority 0 succeeded.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 4 event new RPC.

Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...



- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:get-config" with ID 29 priority 0 for 1 subscribers.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get-config" "rpc" event with ID 29 priority 0 (remaining 1 subscribers).
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 29 priority 0 (remaining 0 subscribers).
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 29 priority 0 succeeded.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 3 event new RPC.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf;get-config" with ID 30 priority 0 for 1 subscribers.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:get-config" "rpc" event with ID 30 priority 0 (remaining 1 subscribers).
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 30 priority 0 (remaining 0 subscribers).
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 30 priority 0 succeeded.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:33 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 3 event new RPC.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 3 event new RPC.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Session 53: thread 3 event session terminated.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Accepted a connection on :::830.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Session 695 (user "root", CID 1) created.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-service" of subtype "ssh-userauth".
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-auth" of subtype "password".
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: User "operator56631037906427049" authenticated.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-channel-open" of subtype "session".
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Received an SSH message "request-channel" of subtype "subsystem".
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Session 696 (user "root", CID 1) created.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Published event "notif" "ietf-netconf-notifications" with ID 4 priority 0 for 1 subscribers.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Generated new event (netconf-session-start).
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Processing "notif" "ietf-netconf-notifications" event with ID 4.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Successful processing of "notif" event with ID 4 priority 0 (remaining 0 subscribers).
- Oct 29 23:15:34 mcb1 daemon.err netopeer2-server[986]: Session 53: invalid session to write to.
- Oct 29 23:15:34 mcb1 daemon.err netopeer2-server[986]: Session 53: failed to write notification (error).
- Oct 29 23:15:34 mcb1 daemon.err netopeer2-server[986]: Sending a notification to session 53 failed.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: There are no subscribers for "ietf-netconf-notifications" notifications.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Generated new event (netconf-session-end).
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Call Home client "default-client" session terminated.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4334.
- Oct 29 23:15:34 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (Connection refused).
- Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...
- Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.
- Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...



Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/notifications:create-subscription" with ID 16 priority 0 for 1 subscribers.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Processing "/notifications:create-subscription" "rpc" event with ID 16 priority 0 (remaining 1 subscribers).

Oct 29 23:15:35 mcb1 daemon.err netopeer2-server[986]: Session 53: waiting for Call Home thread failed (Connection timed out).

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Trying to connect via IPv4 to 192.168.4.15:4334.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: getsockopt() error (Connection refused).

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Successful processing of "rpc" event with ID 16 priority 0 (remaining 0 subscribers).

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Event "rpc" with ID 16 priority 0 succeeded.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Session 54: thread 0 event new RPC.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Resolving unresolved data nodes and their constraints...

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: All data nodes and constraints resolved.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Published event "rpc" "/ietf-netconf:edit-config" with ID 6 priority 0 for 1 subscribers.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 6 priority 0 (remaining 1 subscribers).

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Oct 29 23:15:35 mcb1 daemon.err netopeer2-server[986]: Access to the data model "o-ran-sync" is denied because "operator56631037906427049" NACM authorization failed.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Failed processing of "rpc" event with ID 6 priority 0 (remaining 1 subscribers).

Oct 29 23:15:35 mcb1 daemon.err netopeer2-server[986]: Access to the data model "o-ran-sync" is denied because "operator56631037906427049" NACM authorization failed.

Oct 29 23:15:35 mcb1 daemon.warn netopeer2-server[986]: Event "rpc" with ID 6 priority 0 failed (User callback failed).

Oct 29 23:15:35 mcb1 daemon.err netopeer2-server[986]: Failed to send an RPC (User callback failed).

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Session 54: thread 1 event new RPC.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Session 54: thread 1 event reply error.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Session 54: thread 0 event new RPC.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Session 54: thread 0 event session terminated.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: There are no subscribers for "ietf-netconf-notifications" notifications.

Oct 29 23:15:35 mcb1 daemon.info netopeer2-server[986]: Generated new event (netconf-session-end).

Oct 29 23:15:35 mcb1 auth.info sshd[13993]: Accepted password for operator from 192.168.4.15 port 44658 ssh2

Oct 29 23:15:35 mcb1 authpriv.info sshd[13993]: 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.						
************ Actual Result *******	*****					
	=======	============	=======			
Access Control SWM (negative case)	=	SUCCESS				