



@ FILE NAME: M_CTC_ID_018.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for MCB1: v1.0.7

Test Description: This scenario is MANDATORY for an O-RU supporting the Hybrid M-plane architecture model.

This test validates that user management model can be used to add users to

the O-RU

This scenario corresponds to the following chapters in [3]:

3.3 SSH Connection Establishment

3.4 NETCONF Access Control



STEP 1. The TER NETCONF Client establishes a connection with the O-RU NETCONF Server.

****** 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:192.168.17.37' 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 : 1

Host : 192.168.17.37

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, validate, rollback-on-error, rol

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

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



######## Initial Get ########	-
	=======================================
======================================	=======================================
======================================	
<pre><data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:</pre></td><td>params:xml:ns:netconf:base:1.0"></data></pre>	
<users xmlns="urn:o-ran:user-mgmt:1.0"></users>	
<user></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>	
STEP 2. The TER NETCONF Client configures three account already present and passwords these three ac	
======================================	=======================================
	=======================================
======================================	=======================================
======================================	=======================================
<pre><config xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"></config></pre>	
<users xmlns="urn:o-ran:user-mgmt:1.0"></users>	



```
<user>
           <name>operator94470462419347</name>
           <account-type>PASSWORD</account-type>
<password>L6q)4rkl2x_64TlEu8{C.}MZML3~E{6}UMxDCXLPZ0yPPEK~y$vTMcJsq{Qbc9SlVmFBF~BeAWXOX!I!-6Rq4</password>
            <enabled>true</enabled>
         </user>
         <user>
           <name>operator1069</name>
           <account-type>PASSWORD</account-type>
           <password>!XX7yP7WiXK+)4Hz)Tp[~B%+{fVFHu6N~[9kDk1VIs9}gGqJJreXlFGE(^yGRln0{0tSG7</password>
            <enabled>true</enabled>
         </user>
         <user>
           <name>operator299391533376092729390</name>
           <account-type>PASSWORD</account-type>
           <password>+Pneo8Ylo3uX8q{{bOxeWZVM6ov}soLzQUV47_xAdpVhCFKsrOQh8$</password>
           <enabled>true</enabled>
         </user>
       </users>
        </config>
####### RPC Reply ########
Ok
        _____
<?xml version="1.0" ?>
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
<eventTime>2000-11-04T00:00:22Z</eventTime>
<netconf-config-change xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-notifications">
 <changed-by>
 <username>root</username>
 <session-id>1</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='operator94470462419347'
]</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='operator94470462419347'
]/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='operator94470462419347'
]/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='operator94470462419347'
]/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='operator94470462419347'
]/o-ran-usermgmt:enabled</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='operator1069']</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='operator1069']/o-ran-user
mgmt: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='operator1069']/o-ran-user
mgmt: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='operator1069']/o-ran-user
mgmt:password</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='operator1069']/o-ran-user
mgmt:enabled</target>
 <operation>create</operation>
 </edit>
```



<edit></edit>
<target< td=""></target<>
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator29939153337609
2729390']
<pre><operation>create</operation></pre>
<edit></edit>
<target< td=""></target<>
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator29939153337609
2729390']/o-ran-usermgmt:name
<pre><operation>create</operation></pre>
<edit></edit>
<target< td=""></target<>
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator29939153337609
2729390']/o-ran-usermgmt:account-type
<pre><operation>create</operation></pre>
<edit></edit>
<target< td=""></target<>
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator29939153337609
2729390']/o-ran-usermgmt:password
<pre><operation>create</operation></pre>
<edit></edit>
<target< td=""></target<>
xmlns:o-ran-usermgmt="urn:o-ran:user-mgmt:1.0">/o-ran-usermgmt:users/o-ran-usermgmt:user[o-ran-usermgmt:name='operator29939153337609
2729390']/o-ran-usermgmt:enabled
<pre><operation>create</operation></pre>



####### STEP 3. The TER NETCONF Client configures user account to group mappings for the three new accounts using ietf-netconf-acm.yang respectively one with "nms", one with "fm-pm" and one with "swm" privilege. ######## > 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>fm-pm</name> <user-name>operator94470462419347</user-name> </group> <group> <name>nms</name> <user-name>operator1069</user-name> </group> <group> <name>swm</name> <user-name>operator299391533376092729390</user-name> </group> </groups> </nacm> </config> STEP 4. The O-RU NETCONF Server confirms the operations for the above transactions. Ok <?xml version="1.0" ?> <notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0"> <eventTime>2000-11-04T00:00:22Z</eventTime> <netconf-config-change xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-notifications"> <changed-by> <username>root</username> <session-id>1</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='fm-pm']/nacm:user-name[.='ope
rator94470462419347']</target>
    <operation>create</operation>
   </edit>
   <edit>
    <target
 xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:groups/nacm:group[nacm:name='nms']/nacm:user-name[.='operat
or1069']</target>
     <operation>create</operation>
   </edit>
   <edit>
    <target xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/nacm:groups/n
    <operation>create</operation>
   </edit>
   <edit>
    <target
 xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:groups/nacm:group[nacm:name='swm']/nacm:name</target>
     <operation>create</operation>
   </edit>
   <edit>
    <target
 xmlns:nacm="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">/nacm:nacm/nacm:groups/nacm:groups/nacm:name='swm']/nacm:user-name[.='opera
tor299391533376092729390']</target>
     <operation>create</operation>
   </edit>
  </netconf-config-change>
 </notification>
> get --filter-xpath /ietf-netconf-acm:nacm/groups
```



```
<name>nms</name>
  <user-name>installer</user-name>
  <user-name>operator1069</user-name>
  </group>
  <group>
  <name>swm</name>
  <user-name>operator299391533376092729390</user-name>
  </group>
  </groups>
  </nacm>
  </data>
```

STEP 5. The TER NETCONF Client retrieves a list of users from O-RU NETCONF Server. The newly created user accounts and mappings are validated.

> 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>operator94470462419347</name>
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
</user>
```

<user>



- <name>operator1069</name>
- <account-type>PASSWORD</account-type>
- <enabled>true</enabled>
- </user>
- <user>
- <name>operator299391533376092729390</name>
- <account-type>PASSWORD</account-type>
- <enabled>true</enabled>
- </user>
- </users>
- </data>



Nov 4 00:00:50 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.17.155:4334.

Nov 4 00:00:50 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:00:51 mcb1 user.info kernel: [96.562732] device eth1 entered promiscuous mode

Nov 4 00:00:51 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.17.155:4334.

Nov 4 00:00:51 mcb1 daemon.info netopeer2-server[985]: Successfully connected to 192.168.17.155:4334 over IPv4.

Nov 4 00:00:51 mcb1 daemon.info netopeer2-server[985]: Session 90 (user "root", CID 1) created.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: User "operator" authenticated.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-channel-open" of subtype "session".

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-channel" of subtype "subsystem".

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Call Home client "default-client" session 1 established.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Session 91 (user "root", CID 1) created.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Generated new event (netconf-session-start).

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

 $Nov\ \ 4\ 00:00:52\ mcb1\ daemon. info\ net opeer 2-server [985]:\ Event\ "rpc"\ with\ ID\ 1\ priority\ 0\ succeeded.$

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:52 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 0 event new RPC.

 $Nov\ 4\ 00:00:20\ mcb1\ daemon. info\ net opeer 2-server [985]:\ Resolving\ unresolved\ data\ nodes\ and\ their\ constraints...$

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

 $Nov\ \ 4\ 00:00:20\ mcb1\ daemon. info\ netopeer 2-server [985]:\ All\ data\ nodes\ and\ constraints\ resolved.$

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get" with ID 2 priority 0 for 1 subscribers.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get" "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-keystore:keystore/ietf-keystore:asymmetric-keys/ietf-keystore:asymmetric-key/ietf-keystore:name" with the value "genkey", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-keystore:keystore/ietf-keystore:asymmetric-keys/ietf-keystore:asymmetric-key/ietf-keystore:name" with the value "genkey", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...



Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-interfaces:interfaces/ietf-interfaces:interfaces:name" with the value "eth1.11", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-interfaces:interfaces/ietf-interfaces:interfaces:name = current()/../interface-name]/o-ran-interfaces:vlan-id" with the value "11", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-interfaces:interfaces:interfaces:interfaces:interfaces:name" with the value "eth1.100", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-interfaces:interfaces/ietf-interfaces:interfaces:name = current()/../../interface-name]/o-ran-interfaces:vlan-id" with the value "100", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref "/user-plane-configuration/static-low-level-tx-endpoints/name" with the value "slltx-endpoint0", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref "/user-plane-configuration/static-low-level-tx-endpoints/name" with the value "slltx-endpoint1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref "/user-plane-configuration/static-low-level-tx-endpoints/name" with



the value "slltx-endpoint2", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref "/user-plane-configuration/static-low-level-tx-endpoints/name" with the value "slltx-endpoint3", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref "/user-plane-configuration/static-low-level-rx-endpoints/name" with the value "sllrx-endpoint0", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref "/user-plane-configuration/static-low-level-rx-endpoints/name" with the value "sllrx-endpoint1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref "/user-plane-configuration/static-low-level-rx-endpoints/name" with the value "sllrx-endpoint2", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref "/user-plane-configuration/static-low-level-rx-endpoints/name" with the value "sllrx-endpoint3", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 1.

Nov 4 00:00:20 mcb1 user.notice fw_manager[1075]: RPC #1 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Event "operational" with ID 1 succeeded.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: 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.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: 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.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: 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.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 2 priority 0 (remaining 0 subscribers).

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 2 priority 0 succeeded.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: 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.

Nov $4\,00:00:20\,$ mcb1 daemon.info netopeer2-server[985]: 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.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: 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.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 2 event new RPC.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get-config" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get-config" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 1 priority 0 succeeded.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...



Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref

"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port1", but it is not required.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 3 event new RPC.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/notifications:create-subscription" with ID 1 priority 1 for 1 subscribers.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Processing "ietf-netconf-monitoring" "operational" event with ID 1.

Nov 4 00:00:20 mcb1 daemon.info netopeer2-server[985]: Successful processing of "operational" event with ID 1.

Nov 4 00:00:20 mcb1 user.notice supervision[1375]: Checking to enable supervision default-timer

Nov 4 00:00:20 mcb1 user.notice supervision[1375]: Received supervision-notification #1 from operator user.path

->/notifications:create-subscription

Nov 4 00:00:20 mcb1 user.notice supervision[1375]: Received supervision-notification

Nov 4 00:00:20 mcb1 user.notice supervision[1375]: Default supervision timer value : 60 seconds. Default Guard timer value : 10 seconds

Nov 4 00:00:20 mcb1 user.notice supervision[1375]: Internal Supervision timer value : 60 seconds. Internal Guard timer value : 10 seconds

Nov 4 00:00:20 mcb1 user.warn pm_manager[1387]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:00:20 mcb1 user.warn pm_manager[1387]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:00:20 mcb1 user.warn pm_manager[1387]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:00:20 mcb1 user.warn pm_manager[1387]: Failed to open /media/sd-mmcblk0p4/O-RAN/log/timezone. Using default value...

 $Nov\ 4\ 00:00:20\ mcb1\ user.warn\ pm_manager [1387]:\ Failed\ to\ open\ / media/sd-mmcblk 0p4/O-RAN/log/timezone.\ Using\ default\ value...$

 $Nov\ 4\ 00:00:20\ mcb1\ user.warn\ pm_manager [1387]:\ Failed\ to\ open\ / media/sd-mmcblk 0p4/O-RAN/log/timezone.\ Using\ default\ value...$

 $Nov\ 4\ 00:00:20\ mcb1\ user.warn\ pm_manager [1387]:\ Failed\ to\ open\ / media/sd-mmcblk0p4/O-RAN/log/timezone.\ Using\ default\ value...$

 $Nov\ 4\ 00:00:20\ mcb1\ user.warn\ pm_manager [1387]:\ Failed\ to\ open\ / media/sd-mmcblk0p4/O-RAN/log/timezone.\ Using\ default\ value...$

 $Nov\ 4\ 00:00:20\ mcb1\ user.warn\ pm_manager[1387]:\ Failed\ to\ open\ / media/sd-mmcblk0p4/O-RAN/log/timezone.\ Using\ default\ value...$

Nov 4 00:00:21 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 1 priority 1 succeeded.

Nov 4 00:00:21 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/notifications:create-subscription" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:00:21 mcb1 daemon.info netopeer2-server[985]: Processing "/notifications:create-subscription" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 1 priority 0 succeeded.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 2 event new RPC.

 $Nov\ \ 4\ 00:00:22\ mcb1\ daemon. info\ net opeer 2-server [985]:\ Resolving\ unresolved\ data\ nodes\ and\ their\ constraints...$

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get" with ID 3 priority 0 for 1 subscribers.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 3 priority 0 (remaining 0 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 3 priority 0 succeeded.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 2 event new RPC.



Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:edit-config" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "change" "o-ran-usermgmt" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:00:22 mcb1 user.notice USERMGMT[1064]: operator94470462419347 added successfully !!

Nov 4 00:00:22 mcb1 user.notice USERMGMT[1064]: operator94470462419347 enabled !!

Nov 4 00:00:22 mcb1 user.notice USERMGMT[1064]: operator1069 added successfully !!

Nov 4 00:00:22 mcb1 user.notice USERMGMT[1064]: operator1069 enabled !!

Nov 4 00:00:22 mcb1 user.notice USERMGMT[1064]: operator299391533376092729390 added successfully !!

Nov 4 00:00:22 mcb1 user.notice USERMGMT[1064]: operator299391533376092729390 enabled !!

Nov 4 00:00:22 mcb1 user.notice USERMGMT[1064]: END OF CHANGES

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Event "change" with ID 1 priority 0 succeeded.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "done" "o-ran-usermgmt" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']/name", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']/account-type", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']/password", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']/enabled", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1069']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1069']/name", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator1069']/account-type", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1069']/password", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1069']/enabled", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']/name", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']/account-type", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of



"/o-ran-usermgmt:users/user[name='operator299391533376092729390']/password", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']/enabled", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:00:22 mcb1 user.notice USERMGMT[1064]: END OF CHANGES

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "notif" "ietf-netconf-notifications" with ID 2 priority 0 for 1 subscribers.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 1 priority 0 succeeded.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 2 event new RPC.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']/name", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']/account-type", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']/password", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator94470462419347']/enabled", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1069']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1069']/name", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator1069']/account-type", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1069']/password", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1069']/enabled", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']/name", but it is not required.

Nov $\,4\,00{:}00{:}22\,mcb1$ daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']/account-type", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']/password", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/o-ran-usermgmt:users/user[name='operator299391533376092729390']/enabled", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

 $Nov\ \ 4\ 00:00:22\ mcb1\ daemon. info\ netopeer 2-server [985]:\ Processing\ "notif"\ "ietf-netconf-notifications"\ event\ with\ ID\ 2.$

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...



Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:edit-config" with ID 2 priority 0 for 1 subscribers.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "done" "ietf-netconf-acm" with ID 3 priority 0 for 4 subscribers.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Processing "ietf-netconf-acm" "done" event with ID 3 priority 0 (remaining 4 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "done" event with ID 3 priority 0 (remaining 0 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "notif" "ietf-netconf-notifications" with ID 3 priority 0 for 1 subscribers.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/ietf-netconf-acm:nacm/groups/group[name='fm-pm']/user-name[.='operator94470462419347']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/ietf-netconf-acm:nacm/groups/group[name='nms']/user-name[.='operator1069']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/ietf-netconf-acm:nacm/groups/group[name='swm']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of "/ietf-netconf-acm:nacm/groups/group[name='swm']/name", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: There is no instance of

"/ietf-netconf-acm:nacm/groups/group[name='swm']/user-name[.='operator299391533376092729390']", but it is not required.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 2 priority 0 (remaining 0 subscribers).

Nov $4\,00:00:22\,$ mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 2 priority 0 succeeded.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 1 event new RPC.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

 $Nov\ 4\ 00:00:22\ mcb1\ daemon. info\ net opeer 2-server [985]:\ Resolving\ unresolved\ data\ nodes\ and\ their\ constraints...$

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get-config" with ID 2 priority 0 for 1 subscribers.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get-config" "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 2 priority 0 (remaining 0 subscribers).

 $Nov\ \ 4\ 00:00:22\ mcb1\ daemon.info\ netopeer2-server[985]:\ Event\ "rpc"\ with\ ID\ 2\ priority\ 0\ succeeded.$

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:22 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 4 event new RPC.

Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get-config" with ID 3 priority 0 for 1 subscribers.

Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get-config" "rpc" event with ID 3 priority 0 (remaining 1 subscribers).

Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 3 priority 0 (remaining 0 subscribers).



- Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 3 priority 0 succeeded.
- Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...
- Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.
- Nov 4 00:00:23 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 4 event new RPC.
- Nov 4 00:00:28 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 4 event new RPC.
- Nov 4 00:00:28 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 4 event session terminated.
- Nov 4 00:00:28 mcb1 daemon.info netopeer2-server[985]: There are no subscribers for "ietf-netconf-notifications" notifications.
- Nov 4 00:00:28 mcb1 daemon.info netopeer2-server[985]: Generated new event (netconf-session-end).
- Nov 4 00:00:28 mcb1 daemon.info netopeer2-server[985]: Call Home client "default-client" session terminated.
- Nov 4 00:00:28 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.17.155:4334.
- Nov 4 00:00:28 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).
- Nov 4 00:00:28 mcb1 authpriv.debug sshd[1996]: pam_unix(sshd:account): account operator has password changed in future
- Nov 4 00:00:28 mcb1 auth.info sshd[1996]: Accepted password for operator from 192.168.17.155 port 55156 ssh2
- Nov 4 00:00:28 mcb1 authpriv.info sshd[1996]: pam_unix(sshd:session): session opened for user operator by (uid=0)



Expected Result: The TER NETCONF Client retrieves a list of users from O-RU			
NETCONF Server. The newly created user accounts and mappings are validated.			

Sudo on Hybrid M-plane Architecture (positive case) = SUCCESS			