@ FILE NAME: M_CTC_ID_023.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda: v4.2.0

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

This test validates that the O-RU can successfully start up with activated software.

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

3.3 SSH Connection Establishment

3.4 NETCONF Access Control

3.7 closing a NETCONF Session

==

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

==

==

Step 1 and 2: The TER NETCONF Client establishes connection and creates an account for new user using o-ran-user9 mgmt.yang

==

> listen --ssh --login operator

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

    The authenticity of the host '::ffff:192.168.208.37' 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   : 11

Host   : 192.168.208.37

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=61

urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10

urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14

urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,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

==

> 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>operator1196818102158</name>
    <account-type>PASSWORD</account-type>
    <password>M.}~ccbHl9[~A1+jldc5q-Y8SXN(QxRLLJy2aot7Y2!x[c5n-gno{C9T</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>2027-04-14T05:35:34Z</eventTime>
 <netconf-config-change xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-notifications">
 <changed-by>
  <username>root</username>
  <session-id>11</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='operator1196818102158']
</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='operator1196818102158']
/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='operator1196818102158']
/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='operator1196818102158']
/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='operator1196818102158']
/o-ran-usermgmt:enabled</target>
  <operation>create</operation>
 </edit>
 </netconf-config-change>
</notification>
```

==

Step 3 and 4: The TER NETCONF Client retrieves a list of users

==

==

> get --filter-xpath /o-ran-usermgmt:users/user

==

```xml
<?xml version="1.0" ?>
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0">
 <users xmlns="urn:o-ran:user-mgmt:1.0">
  <user>
   <name>oranuser</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>operator</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>observer</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>installer</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>operator5310619424927220</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>operator42009256600399182198</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>operator900036241939705</name>
   <account-type>PASSWORD</account-type>
   <enabled>true</enabled>
  </user>
  <user>
   <name>operator7131913</name>
   <account-type>PASSWORD</account-type>
```

```xml
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator97206</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator62794098482</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator2904805</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator9803</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator9980120562102938045276</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator6553383621</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator49141736406</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator6014549415</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator4273528410327242</name>
  <account-type>PASSWORD</account-type>
  <enabled>true</enabled>
 </user>
 <user>
  <name>operator5749498488665576557769</name>
```

```
 <account-type>PASSWORD</account-type>
 <enabled>true</enabled>
 </user>
 <user>
 <name>operator1196818102158</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">
<nacm xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-acm">
 <groups>
  <group>
   <name>sudo</name>
   <user-name>operator1196818102158</user-name>
  </group>
 </groups>
</nacm>
</config>
```

```
=============================================================================
```

Ok

```
=============================================================================
```

```
=============================================================================
****** NOTIFICATIONS ******
=============================================================================
<?xml version="1.0" ?>
<notification xmlns="urn:ietf:params:xml:ns:netconf:notification:1.0">
 <eventTime>2027-04-14T05:35:34Z</eventTime>
 <netconf-config-change xmlns="urn:ietf:params:xml:ns:yang:ietf-netconf-notifications">
 <changed-by>
  <username>root</username>
  <session-id>11</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='sudo']/nacm:user-name[.='opera tor1196818102158']</target>
  <operation>create</operation>
 </edit>
 </netconf-config-change>
</notification>

===

Step 5 and 6: NETCONF Server establishes a TCP connection and performs the Call Home procedure to the TER NETCONF Client using the same IP and VLAN.

===

> listen --ssh --login operator1196818102158

      Waiting 60s for an SSH Call Home connection on port 4334...The authenticity of the host '::ffff:192.168.208.37' cannot be established.

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

operator1196818102158@::ffff:192.168.208.37 password:

===

Step 7: TER NETCONF Client and O-RU NETCONF Server exchange capabilities through the NETCONF <hello> messages

===

> status

Current NETCONF session:

ID   : 12

Host   : ::ffff:192.168.208.37

Port   : 52896

Transport   : SSH

Capabilities:

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

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

urn:ietf:params:netconf:capability:validate:1.1urn:ietf:params:netconf:capability:startup:1.0urn: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:1.0urn: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=61

urn:sysrepo:plugind?module=sysrepo-plugind&revision=2020-12-10

urn:ietf:params:xml:ns:yang:ietf-netconf-acm?module=ietf-netconf-acm&revision=2018-02-14

urn:ietf:params:xml:ns:netconf:base:1.0?module=ietf-netconf&revision=2013-09-29&features=writable-running,candidate,rollback-on-error,validate,startup,url,xpathurn: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=2014-08-06urn:notification_history?module=notification_history

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

===

########### SYSTEM LOGS #############

===

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get" with ID 19 priority 0 for 1 subscribers.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get" "rpc" event with ID 19 priority 0 (remaining 1 subscribers).

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 19 priority 0 (remaining 0 subscribers).

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 19 priority 0 succeeded.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Session 11: thread 3 event new RPC.

Apr 14 05:35:28 garuda user.notice SYNCMNGR[1182]: Received message from S-Plane

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get" with ID 20 priority 0 for 1 subscribers.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get" "rpc" event with ID 20 priority 0 (remaining 1 subscribers).

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 8.

Apr 14 05:35:28 garuda user.notice fw_manager[936]: RPC #8 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Event "operational" with ID 8 succeeded.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 20 priority 0 (remaining 0 subscribers).

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 20 priority 0 succeeded.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/o-ran-hardware:product-code" with the value "STL=O-RU", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Session 11: thread 3 event new RPC.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get-config" with ID 16 priority 0 for 1 subscribers.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get-config" "rpc" event with ID 16 priority 0 (remaining 1 subscribers).

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 16 priority 0 (remaining 0 subscribers).

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 16 priority 0 succeeded.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: There is no leafref
"/ietf-hardware:hardware/ietf-hardware:component/ietf-hardware:name" with the value "ru-port0", but it is not required.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:28 garuda daemon.info netopeer2-server[859]: Session 11: thread 0 event new RPC.

Apr 14 05:35:29 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:29 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:35:30 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:30 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:35:31 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:31 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:35:32 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:32 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/notifications:create-subscription" with ID 9 priority 0 for 1 subscribers.

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: Processing "/notifications:create-subscription" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 9 priority 0 succeeded.

Apr 14 05:35:33 garuda daemon.info netopeer2-server[859]: Session 11: thread 3 event new RPC.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:edit-config" with ID 8 priority 0 for 1 subscribers.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 8 priority 0 (remaining 1 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Published event "change" "o-ran-usermgmt" with ID 3 priority 0 for 1 subscribers.

Apr 14 05:35:34 garuda user.notice USERMGMT[925]: operator1196818102158 added successfully !!

Apr 14 05:35:34 garuda user.notice USERMGMT[925]: operator1196818102158 enabled !!

Apr 14 05:35:34 garuda user.notice USERMGMT[925]: END OF CHANGES

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Event "change" with ID 3 priority 0 succeeded.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Published event "done" "o-ran-usermgmt" with ID 3 priority 0 for 1 subscribers.

Apr 14 05:35:34 garuda user.notice USERMGMT[925]: END OF CHANGES

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']/name", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']/account-type", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']/password", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']/enabled", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 1.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Published event "notif" "ietf-netconf-notifications" with ID 2 priority 0 for 1 subscribers.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 8 priority 0 (remaining 0 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 8 priority 0 succeeded.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Session 11: thread 3 event new RPC.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']/name", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']/account-type", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']/password", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/o-ran-usermgmt:users/user[name='operator1196818102158']/enabled", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 2.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 2 priority 0 (remaining 0 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:get-config" with ID 17 priority 0 for 1 subscribers.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:get-config" "rpc" event with ID 17 priority 0 (remaining 1 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 17 priority 0 (remaining 0 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 17 priority 0 succeeded.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Session 11: thread 3 event new RPC.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: getsockopt() error (Connection refused).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Published event "rpc" "/ietf-netconf:edit-config" with ID 9 priority 0 for 1 subscribers.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Processing "/ietf-netconf:edit-config" "rpc" event with ID 9 priority 0 (remaining 1 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: edit-config error-option "stop-on-error" not supported, rollback-on-error will be performed.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Published event "done" "ietf-netconf-acm" with ID 5 priority 0 for 4 subscribers.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Processing "ietf-netconf-acm" "done" event with ID 5 priority 0 (remaining 4 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Successful processing of "done" event with ID 5 priority 0 (remaining 0 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Published event "notif" "ietf-netconf-notifications" with ID 3 priority 0 for 1 subscribers.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Resolving unresolved data nodes and their constraints...

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There is no instance of "/ietf-netconf-acm:nacm/groups/group[name='sudo']/user-name[.='operator1196818102158']", but it is not required.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: All data nodes and constraints resolved.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Processing "notif" "ietf-netconf-notifications" event with ID 3.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Successful processing of "notif" event with ID 3 priority 0 (remaining 0 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Successful processing of "rpc" event with ID 9 priority 0 (remaining 0 subscribers).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Event "rpc" with ID 9 priority 0 succeeded.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Session 11: thread 3 event new RPC.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Session 11: thread 0 event new RPC.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Session 11: thread 0 event session terminated.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Generated new event (netconf-session-end).

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Call Home client "default-client" session terminated.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Successfully connected to 192.168.208.15:4334 over IPv4.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Session 233 (user "root", CID 1) created.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: User "operator1196818102158" authenticated.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Call Home client "default-client" session 12 established.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Session 234 (user "root", CID 1) created.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:35:34 garuda daemon.info netopeer2-server[859]: Generated new event (netconf-session-start).

Apr 14 05:35:34 garuda auth.info sshd[8416]: Accepted password for operator from 192.168.208.15 port 45562 ssh2

Apr 14 05:35:35 garuda authpriv.info sshd[8416]: pam_unix(sshd:session): session opened for user operator by (uid=0)

Expected Result : The TER NETCONF Client establishes a Call Home & SSH session towards the NETCONF Server with new user created above.

===
**************** Actual Result *****************
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Sudo on Hierarchical M-plane architecture (positive case)   =   SUCCESS

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