



@ FILE NAME: M_CTC_ID_001.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for MCB1: v1.0.7

This scenario validates that the O-RU properly executes the session establishment procedure with VLANs and a DHCPv4 server. This test is applicable to IPv4 environments.

DHCP Status

isc-dhcp-server.service - ISC DHCP IPv4 server

Loaded: loaded (/lib/systemd/system/isc-dhcp-server.service; enabled; vendor preset: enabled)

Active: active (running) since Wed 2023-01-04 16:20:53 IST; 2min 32s ago

Docs: man:dhcpd(8)

Main PID: 24085 (dhcpd)

Tasks: 1 (limit: 4915)

CGroup: /system.slice/isc-dhcp-server.service

085 dhcpd -user dhcpd -group dhcpd -f -4 -pf /run/dhcp-server/dhcpd.pid -cf /etc/dhcp/dhcpd.conf eth0.21

Jan 04 16:20:53 vvdn sh[24085]: Listening on LPF/eth0.21/64:9d:99:ff:f5:12/192.168.244.0/24

Jan 04 16:20:53 vvdn sh[24085]: Sending on LPF/eth0.21/64:9d:99:ff:f5:12/192.168.244.0/24

Jan 04 16:20:53 vvdn sh[24085]: Sending on Socket/fallback/fallback-net

Jan 04 16:20:53 vvdn dhcpd[24085]: Sending on LPF/eth0.21/64:9d:99:ff:f5:12/192.168.244.0/24

Jan 04 16:20:53 vvdn dhcpd[24085]: Sending on Socket/fallback/fallback-net

Jan 04 16:20:53 vvdn dhcpd[24085]: Server starting service.

Jan 04 16:21:24 vvdn dhcpd[24085]: DHCPDISCOVER from 98:ae:71:00:8a:c2 via eth0.21

Jan 04 16:21:25 vvdn dhcpd[24085]: DHCPOFFER on 192.168.244.37 to 98:ae:71:00:8a:c2 (mcb1) via eth0.21

Jan 04 16:21:25 vvdn dhcpd[24085]: DHCPREQUEST for 192.168.244.37 (192.168.244.35) from 98:ae:71:00:8a:c2 (mcb1) via eth0.21

Jan 04 16:21:25 vvdn dhcpd[24085]: DHCPACK on 192.168.244.37 to 98:ae:71:00:8a:c2 (mcb1) via eth0.21

Pinging

PING 192.168.244.37 (192.168.244.37) 56(84) bytes of data.

64 bytes from 192.168.244.37: icmp_seq=1 ttl=64 time=0.155 ms

64 bytes from 192.168.244.37: icmp_seq=2 ttl=64 time=0.205 ms

64 bytes from 192.168.244.37: icmp_seq=3 ttl=64 time=0.197 ms

64 bytes from 192.168.244.37: icmp_seq=4 ttl=64 time=0.203 ms

64 bytes from 192.168.244.37: icmp_seq=5 ttl=64 time=0.189 ms

--- 192.168.244.37 ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4060ms

rtt min/avg/max/mdev = 0.155/0.189/0.205/0.025 ms

Interfaces Present in DU Side

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 192.168.4.15 netmask 255.255.255.0 broadcast 192.168.4.255

ether 64:9d:99:ff:f5:12 txqueuelen 1000 (Ethernet)

RX packets 89493 bytes 42351154 (42.3 MB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 103132 bytes 78831778 (78.8 MB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500

ether 64:9d:99:ff:f5:13 txqueuelen 1000 (Ethernet)

RX packets 12 bytes 2876 (2.8 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 66 bytes 8226 (8.2 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth2: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 172.25.96.163 netmask 255.255.254.0 broadcast 172.25.97.255
inet6 fe80::a7de:bea9:9091:a5f0 prefixlen 64 scopeid 0x20<link>
ether b4:2e:99:60:73:8c txqueuelen 1000 (Ethernet)
RX packets 3395828 bytes 381379997 (381.3 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 16628063 bytes 23009651767 (23.0 GB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
device interrupt 16 memory 0xb1400000-b1420000

eth0.16: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.226.149 netmask 255.255.255.0 broadcast 192.168.226.255
inet6 fe80::669d:99ff:feff:f512 prefixlen 64 scopeid 0x20<link>
ether 64:9d:99:ff:f5:12 txqueuelen 1000 (Ethernet)
RX packets 388 bytes 36028 (36.0 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 406 bytes 31165 (31.1 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth0.21: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.244.35 netmask 255.255.255.0 broadcast 192.168.244.255
inet6 fe80::669d:99ff:feff:f512 prefixlen 64 scopeid 0x20<link>
ether 64:9d:99:ff:f5:12 txqueuelen 1000 (Ethernet)
RX packets 242 bytes 35711 (35.7 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 258 bytes 26190 (26.1 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopeid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 1637833 bytes 40593398813 (40.5 GB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 1637833 bytes 40593398813 (40.5 GB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

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The O-RU NETCONF Serve establishes TCP connection and performs a Call Home procedure towards the NETCONF Client and establishes a SSH.

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> listen --ssh --login operator

Waiting 60s for an SSH Call Home connection on port 4334...The authenticity of the host '::ffff:192.168.244.37' cannot be established.

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

Are you sure you want to continue connecting (yes/no)? yes

operator@::ffff:192.168.244.37 password:

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

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> status

Current NETCONF self.session:

ID : 1

Host : ::ffff:192.168.244.37

Port : 52580

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=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,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

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SYSTEM LOGS

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Nov 4 00:02:18 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:02:18 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:02:19 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:02:19 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fw_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/nw_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/operations_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/pm_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/um_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sys_monitor

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/fault_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/file_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/supervision

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/sync_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/ald_controller

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/log_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/radio_manager

Nov 4 00:02:20 mcb1 user.notice wd_manager[1455]: Value is 1 for Xpath /vvdn_mcel-wdm:system-apps/cli_manager

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Successfully connected to 192.168.244.35:4334 over IPv4.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Session 102 (user "root", CID 1) created.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: User "operator" authenticated.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-channel-open" of subtype "session".

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-channel" of subtype "subsystem".

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Call Home client "default-client" session 1 established.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Session 103 (user "root", CID 1) created.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Generated new event (netconf-session-start).

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 1 priority 0 succeeded.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 2 event new RPC.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get" with ID 2 priority 0 for 1 subscribers.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get" "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 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 00:02:20 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 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface/ietf-interfaces:name" with the value "eth1.11", but it is not required.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface[ietf-interfaces:name = current()/../interface-name]/o-ran-interfaces:vlan-id" with the value "11", but it is not required.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface/ietf-interfaces:name" with the value "eth1.21", but it is not required.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface[ietf-interfaces:name = current()/../interface-name]/o-ran-interfaces:vlan-id" with the value "21", but it is not required.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface/ietf-interfaces:name" with the value "eth1.100", but it is not required.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface[ietf-interfaces:name = current()/../interface-name]/o-ran-interfaces:vlan-id" with the value "100", but it is not required.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 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 00:02:20 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:20 mcb1 daemon.info netopeer2-server[985]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 1.

Nov 4 00:02:20 mcb1 user.notice fw_manager[1074]: RPC #1 recieved. xpath -> /o-ran-software-management:software-inventory

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Event "operational" with ID 1 succeeded.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:21 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 00:02:21 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 00:02:21 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 00:02:21 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 2 priority 0 (remaining 0 subscribers).

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 2 priority 0 succeeded.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:21 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 00:02:21 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 00:02:21 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 00:02:21 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 2 event new RPC.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Published event "rpc" "/ietf-netconf:get-config" with ID 1 priority 0 for 1 subscribers.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Processing "/ietf-netconf:get-config" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Event "rpc" with ID 1 priority 0 succeeded.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Resolving unresolved data nodes and their constraints...

Nov 4 00:02:21 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 00:02:21 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 00:02:21 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 00:02:21 mcb1 daemon.info netopeer2-server[985]: All data nodes and constraints resolved.

Nov 4 00:02:21 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 4 event new RPC.

Nov 4 00:02:22 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:22 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:22 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:22 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:22 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:22 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:22 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:22 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:24 mcb1 user.notice SYNCMNGR[1320]: Received message from S-Plane

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:32 mcb1 user.warn pm_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:02:34 mcb1 user.notice SYNCMNGR[1320]: Received message from S-Plane

Nov 4 00:02:41 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 2 event new RPC.

Nov 4 00:02:41 mcb1 daemon.info netopeer2-server[985]: Session 1: thread 2 event session terminated.

Nov 4 00:02:41 mcb1 daemon.info netopeer2-server[985]: There are no subscribers for "ietf-netconf-notifications" notifications.

Nov 4 00:02:41 mcb1 daemon.info netopeer2-server[985]: Generated new event (netconf-session-end).

Nov 4 00:02:41 mcb1 daemon.info netopeer2-server[985]: Call Home client "default-client" session terminated.

Nov 4 00:02:41 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:02:41 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:02:41 mcb1 authpriv.debug sshd[2125]: pam_unix(sshd:account): account operator has password changed in future

Nov 4 00:02:41 mcb1 auth.info sshd[2125]: Accepted password for operator from 192.168.244.35 port 59986 ssh2

Nov 4 00:02:41 mcb1 authpriv.info sshd[2125]: pam_unix(sshd:session): session opened for user operator by (uid=0)

Expected Result : The TER NETCONF Client and O-RU NETCONF Server exchange capabilities through NETCONF <hello> messages.

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***** Actual Result *****

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Transport and Handshake in IPv4 Environment (positive case)	=	SUCCESS
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