



@ FILE NAME: M_CTC_ID_001.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda: v5.0.4

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 Thu 2022-12-01 14:48:59 IST; 2min 32s ago

Docs: man:dhcpd(8)

Main PID: 3002 (dhcpd)

Tasks: 1 (limit: 4915)

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

02 dhcpd -user dhcpd -group dhcpd -f -4 -pf /run/dhcp-server/dhcpd.pid -cf /etc/dhcp/dhcpd.conf eth1.6

Dec 01 14:48:59 vvdn sh[3002]: Listening on LPF/eth1.6/64:9d:99:b1:7e:62/192.168.22.0/24

Dec 01 14:48:59 vvdn sh[3002]: Sending on LPF/eth1.6/64:9d:99:b1:7e:62/192.168.22.0/24

Dec 01 14:48:59 vvdn sh[3002]: Sending on Socket/fallback/fallback-net

Dec 01 14:48:59 vvdn dhcpd[3002]: Sending on LPF/eth1.6/64:9d:99:b1:7e:62/192.168.22.0/24

Dec 01 14:48:59 vvdn dhcpd[3002]: Sending on Socket/fallback/fallback-net

Dec 01 14:48:59 vvdn dhcpd[3002]: Server starting service.

Dec 01 14:49:13 vvdn dhcpd[3002]: DHCPDISCOVER from 98:ae:71:01:64:d8 via eth1.6

Dec 01 14:49:14 vvdn dhcpd[3002]: DHCPOFFER on 192.168.22.37 to 98:ae:71:01:64:d8 (garuda) via eth1.6

Dec 01 14:49:14 vvdn dhcpd[3002]: DHCPREQUEST for 192.168.22.37 (192.168.22.208) from 98:ae:71:01:64:d8 (garuda) via eth1.6

Dec 01 14:49:14 vvdn dhcpd[3002]: DHCPACK on 192.168.22.37 to 98:ae:71:01:64:d8 (garuda) via eth1.6

Pinging

PING 192.168.22.37 (192.168.22.37) 56(84) bytes of data.

64 bytes from 192.168.22.37: icmp_seq=1 ttl=64 time=0.076 ms

64 bytes from 192.168.22.37: icmp_seq=2 ttl=64 time=0.226 ms

64 bytes from 192.168.22.37: icmp_seq=3 ttl=64 time=0.229 ms

64 bytes from 192.168.22.37: icmp_seq=4 ttl=64 time=0.171 ms

64 bytes from 192.168.22.37: icmp_seq=5 ttl=64 time=0.191 ms

--- 192.168.22.37 ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4083ms

rtt min/avg/max/mdev = 0.076/0.178/0.229/0.057 ms

Interfaces Present in DU Side

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

inet 172.17.95.65 netmask 255.255.240.0 broadcast 172.17.95.255

inet6 fe80::5fdb:64ba:ee9e:366c prefixlen 64 scopeid 0x20<link>

ether 4c:d9:8f:69:23:2b txqueuelen 1000 (Ethernet)

RX packets 2039769 bytes 1316890844 (1.3 GB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 1014058 bytes 287155009 (287.1 MB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

device interrupt 17

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.4.15 netmask 255.255.255.0 broadcast 192.168.4.255
inet6 3ffe:501:cafe::a001:1012 prefixlen 64 scopeid 0x0<global>
inet6 fe80::5bb2:44e5:874e:988a prefixlen 64 scopeid 0x20<link>
ether 64:9d:99:b1:7e:62 txqueuelen 1000 (Ethernet)
RX packets 3641634 bytes 261400422 (261.4 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 92167 bytes 7792112 (7.7 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth2: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
ether 4c:d9:8f:69:23:2c txqueuelen 1000 (Ethernet)
RX packets 0 bytes 0 (0.0 B)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 0 bytes 0 (0.0 B)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
device interrupt 18

eth3: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
ether 64:9d:99:b1:7e:63 txqueuelen 1000 (Ethernet)
RX packets 18248 bytes 9770677 (9.7 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 56988 bytes 67884128 (67.8 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1.6: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
inet 192.168.22.208 netmask 255.255.255.0 broadcast 192.168.22.255
inet6 fe80::669d:99ff:feb1:7e62 prefixlen 64 scopeid 0x20<link>
ether 64:9d:99:b1:7e:62 txqueuelen 1000 (Ethernet)
RX packets 412 bytes 44793 (44.7 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 448 bytes 39494 (39.4 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 116763 bytes 36478965 (36.4 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 116763 bytes 36478965 (36.4 MB)
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:192.168.22.37' 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:192.168.22.37 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:192.168.22.37

Port : 41232

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

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SYSTEM LOGS

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Apr 14 05:28:38 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:38 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:38 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:38 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Session 93 (user "root", CID 1) created.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: User "operator" authenticated.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-channel-open" of subtype "session".

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-channel" of subtype "subsystem".

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Call Home client "default-client" session 1 established.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Session 94 (user "root", CID 1) created.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Generated new event (netconf-session-start).

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 1 priority 0 for 1 subscribers.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Event "rpc" with ID 1 priority 0 succeeded.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Session 1: thread 4 event new RPC.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get" with ID 2 priority 0 for 1 subscribers.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get" "rpc" event with ID 2 priority 0 (remaining 1 subscribers).

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: 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.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: 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.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface/ietf-interfaces:name" with the value "eth0.6", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface[ietf-interfaces:name = current()/../interface-name]/o-ran-interfaces:vlan-id" with the value "6", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/ietf-interfaces:interfaces/ietf-interfaces:interface/ietf-interfaces:name" with the value "eth0.100", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: 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.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref
"/o-ran-processing-element:processing-elements/o-ran-processing-element:ru-elements/o-ran-processing-element:name" with the value "element0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref "/user-plane-configuration/static-low-level-tx-endpoints/name" with the value "slltx-endpoint0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref "/user-plane-configuration/static-low-level-tx-endpoints/name" with the value "slltx-endpoint1", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref "/user-plane-configuration/static-low-level-tx-endpoints/name" with the value "slltx-endpoint2", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref "/user-plane-configuration/static-low-level-tx-endpoints/name" with the value "slltx-endpoint3", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref "/user-plane-configuration/static-low-level-rx-endpoints/name" with the value "sllrx-endpoint0", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref "/user-plane-configuration/static-low-level-rx-endpoints/name" with the value "sllrx-endpoint1", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref "/user-plane-configuration/static-low-level-rx-endpoints/name" with the value "sllrx-endpoint2", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: There is no leafref "/user-plane-configuration/static-low-level-rx-endpoints/name" with the value "sllrx-endpoint3", but it is not required.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Published event "operational" "/o-ran-software-management:software-inventory" with ID 1.

Apr 14 05:28:39 garuda user.notice fw_manager[935]: RPC #1 recieved. xpath -> /o-ran-software-management:software-inventory

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Event "operational" with ID 1 succeeded.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 2 priority 0 (remaining 0 subscribers).

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Event "rpc" with ID 2 priority 0 succeeded.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: 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 05:28:39 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:39 garuda daemon.info netopeer2-server[858]: Session 1: thread 2 event new RPC.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Published event "rpc" "/ietf-netconf:get-config" with ID 1 priority 0 for 1 subscribers.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Processing "/ietf-netconf:get-config" "rpc" event with ID 1 priority 0 (remaining 1 subscribers).

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Successful processing of "rpc" event with ID 1 priority 0 (remaining 0 subscribers).

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Event "rpc" with ID 1 priority 0 succeeded.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Resolving unresolved data nodes and their constraints...

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: 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 05:28:40 garuda daemon.info netopeer2-server[858]: 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 05:28:40 garuda daemon.info netopeer2-server[858]: 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 05:28:40 garuda daemon.info netopeer2-server[858]: All data nodes and constraints resolved.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Session 1: thread 3 event new RPC.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:40 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:41 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:41 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:42 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:42 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:43 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:43 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:44 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:44 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:45 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:45 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:45 garuda user.notice SYNCMNGR[1181]: Received message from S-Plane

Apr 14 05:28:46 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:46 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:47 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:47 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:48 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:48 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:49 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:49 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:50 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:50 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:51 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:51 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:52 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:52 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:53 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:53 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:54 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:54 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:55 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:55 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:56 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:56 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:57 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:57 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:58 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:58 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:59 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:28:59 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:28:59 garuda user.notice SYNCMNGR[1181]: Received message from S-Plane

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: Session 1: thread 2 event new RPC.

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: Session 1: thread 2 event session terminated.

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: There are no subscribers for "ietf-netconf-notifications" notifications.

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: Generated new event (netconf-session-end).

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: Call Home client "default-client" session terminated.

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:29:00 garuda auth.info sshd[3871]: Accepted password for operator from 192.168.22.208 port 46890 ssh2

Apr 14 05:29:00 garuda authpriv.info sshd[3871]: pam_unix(sshd:session): session opened for user operator by (uid=0)

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:29:00 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

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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