@ FILE NAME: M_CTC_ID_003.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for Garuda: v4.2.0

Test Description : 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. Two negative flows are included in this test:

The TER NETCONF Client uses improper credentials when trying to establish a SSH session with the RU NETCONF Server.

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Interfaces Present in DU Side
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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 74632 bytes 60579117 (60.5 MB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 46944 bytes 21035651 (21.0 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 1217 bytes 188874 (188.8 KB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 1389 bytes 127548 (127.5 KB)
        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 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

eth1.21: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
        inet 192.168.208.15 netmask 255.255.255.0 broadcast 192.168.208.255
        inet6 fe80::669d:99ff:feb1:7e62 prefixlen 64 scopeid 0x20<link>
        ether 64:9d:99:b1:7e:62 txqueuelen 1000 (Ethernet)
        RX packets 1052 bytes 154839 (154.8 KB)
        RX errors 0 dropped 0 overruns 0 frame 0
        TX packets 1043 bytes 96245 (96.2 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 5456 bytes 590707 (590.7 KB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 5456 bytes 590707 (590.7 KB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

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DHCP Status

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DHCP Status

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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 Fri 2022-12-02 16:54:44 IST; 5min ago

 Docs: man:dhcpd(8)

Main PID: 11448 (dhcpd)

 Tasks: 1 (limit: 4915)

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

  dhcpd -user dhcpd -group dhcpd -f -4 -pf /run/dhcp-server/dhcpd.pid -cf /etc/dhcp/dhcpd.conf eth1.21

Dec 02 16:54:44 vvdn sh[11448]: Listening on LPF/eth1.21/64:9d:99:b1:7e:62/192.168.208.0/24

Dec 02 16:54:44 vvdn sh[11448]: Sending on   LPF/eth1.21/64:9d:99:b1:7e:62/192.168.208.0/24

Dec 02 16:54:44 vvdn sh[11448]: Sending on   Socket/fallback/fallback-net

Dec 02 16:54:44 vvdn dhcpd[11448]: Sending on   LPF/eth1.21/64:9d:99:b1:7e:62/192.168.208.0/24

Dec 02 16:54:44 vvdn dhcpd[11448]: Sending on   Socket/fallback/fallback-net

Dec 02 16:54:44 vvdn dhcpd[11448]: Server starting service.

Dec 02 16:55:00 vvdn dhcpd[11448]: DHCPDISCOVER from 98:ae:71:01:64:d8 via eth1.21

Dec 02 16:55:01 vvdn dhcpd[11448]: DHCPOFFER on 192.168.208.37 to 98:ae:71:01:64:d8 (garuda) via eth1.21

Dec 02 16:55:01 vvdn dhcpd[11448]: DHCPREQUEST for 192.168.208.37 (192.168.208.15) from 98:ae:71:01:64:d8 (garuda) via eth1.21

Dec 02 16:55:01 vvdn dhcpd[11448]: DHCPACK on 192.168.208.37 to 98:ae:71:01:64:d8 (garuda) via eth1.21

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Pinging

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PING 192.168.208.37 (192.168.208.37) 56(84) bytes of data.

64 bytes from 192.168.208.37: icmp_seq=1 ttl=64 time=0.562 ms

64 bytes from 192.168.208.37: icmp_seq=2 ttl=64 time=0.164 ms

64 bytes from 192.168.208.37: icmp_seq=3 ttl=64 time=0.166 ms

64 bytes from 192.168.208.37: icmp_seq=4 ttl=64 time=0.123 ms

64 bytes from 192.168.208.37: icmp_seq=5 ttl=64 time=0.187 ms

--- 192.168.208.37 ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4093ms

rtt min/avg/max/mdev = 0.123/0.240/0.562/0.162 ms

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 The O-RU NETCONF Serve establishes TCP connection and performs a Call Home procedure towards the NETCONF Client and not establishes a SSH.

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> listen --ssh --login observer

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 59:9e:90:48:f1:d7:6e:35:e8:d1:f6:1e:90:aa:a3:83:a0:6b:98:5a.

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

observer@::ffff:192.168.208.37 password:

nc ERROR: Unable to authenticate to the remote server (all attempts via supported authentication methods failed).

     cmd_listen: Receiving SSH Call Home on port 4334 as user "observer" failed.

> 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 59:9e:90:48:f1:d7:6e:35:e8:d1:f6:1e:90:aa:a3:83:a0:6b:98:5a.

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

operator@::ffff:192.168.208.37 password:

nc ERROR: Unable to authenticate to the remote server (all attempts via supported authentication methods failed).

     cmd_listen: Receiving SSH Call Home on port 4334 as user "operator" failed.

> listen --ssh --login installerr

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 59:9e:90:48:f1:d7:6e:35:e8:d1:f6:1e:90:aa:a3:83:a0:6b:98:5a.

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

installerr@::ffff:192.168.208.37 password:

nc ERROR: Unable to authenticate to the remote server (all attempts via supported authentication methods failed).

     cmd_listen: Receiving SSH Call Home on port 4334 as user "installerr" failed.

> listen --ssh --login installer

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 59:9e:90:48:f1:d7:6e:35:e8:d1:f6:1e:90:aa:a3:83:a0:6b:98:5a.

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

installer@::ffff:192.168.208.37 password:

nc ERROR: Unable to authenticate to the remote server (all attempts via supported authentication methods failed).

     cmd_listen: Receiving SSH Call Home on port 4334 as user "installer" failed.

> listen --ssh --login operator1

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 59:9e:90:48:f1:d7:6e:35:e8:d1:f6:1e:90:aa:a3:83:a0:6b:98:5a.

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

operator1@::ffff:192.168.208.37 password:

nc ERROR: Unable to authenticate to the remote server (all attempts via supported authentication methods failed).

     cmd_listen: Receiving SSH Call Home on port 4334 as user "operator1" failed.

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

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Apr 14 05:34:28 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:28 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:28 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:28 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:29 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:29 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:29 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:29 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:30 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:30 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:30 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:30 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:31 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:31 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:31 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:31 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:31 garuda user.notice SYNCMNGR[1183]: Received message from S-Plane

Apr 14 05:34:32 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:32 garuda daemon.info netopeer2-server[860]: Successfully connected to 192.168.208.15:4334 over IPv4.

Apr 14 05:34:32 garuda daemon.info netopeer2-server[860]: Session 112 (user "root", CID 1) created.

Apr 14 05:34:32 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:34:32 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:34:32 garuda daemon.info netopeer2-server[860]: Failed user "observer" authentication attempt (#1).

Apr 14 05:34:32 garuda daemon.err netopeer2-server[860]: Communication SSH socket unexpectedly closed.

Apr 14 05:34:32 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:32 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:33 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:33 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:33 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:33 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:34 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:34 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:34 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:34 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:35 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:35 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:35 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:35 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:36 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:36 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:36 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:36 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:37 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:37 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:37 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:37 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:38 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:38 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:38 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:38 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:39 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:39 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:39 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:39 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:40 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:40 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:40 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:40 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:41 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:41 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:41 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:41 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:42 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:42 garuda daemon.info netopeer2-server[860]: Successfully connected to 192.168.208.15:4334 over IPv4.

Apr 14 05:34:42 garuda daemon.info netopeer2-server[860]: Session 113 (user "root", CID 1) created.

Apr 14 05:34:42 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:34:42 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:34:42 garuda daemon.info netopeer2-server[860]: Failed user "operator" authentication attempt (#1).

Apr 14 05:34:43 garuda daemon.err netopeer2-server[860]: Communication SSH socket unexpectedly closed.

Apr 14 05:34:43 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:43 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:44 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:44 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:44 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:44 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:45 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:45 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:45 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:45 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:45 garuda user.notice SYNCMNGR[1183]: Received message from S-Plane

Apr 14 05:34:46 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:46 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:46 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:46 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:47 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:47 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:47 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:47 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:48 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:48 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:48 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:48 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:49 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:49 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:49 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:49 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:50 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:50 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:50 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:50 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:51 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:51 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:51 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:51 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:52 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:52 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:52 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:52 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: Successfully connected to 192.168.208.15:4334 over IPv4.

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: Session 114 (user "root", CID 1) created.

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: User "installerr" not found locally.

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: Failed user "installerr" authentication attempt (#1).

Apr 14 05:34:53 garuda daemon.err netopeer2-server[860]: Communication SSH socket unexpectedly closed.

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:53 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:54 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:54 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:54 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:54 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:55 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:55 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:55 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:55 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:56 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:56 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:56 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:56 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:57 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:57 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:57 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:57 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:58 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:58 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:58 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:58 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:59 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:59 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:59 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:34:59 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:34:59 garuda user.notice SYNCMNGR[1183]: Received message from S-Plane

Apr 14 05:35:00 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:00 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:00 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:00 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:01 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:01 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:01 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:01 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:02 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:02 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:02 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:02 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:03 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:03 garuda daemon.info netopeer2-server[860]: Successfully connected to 192.168.208.15:4334 over IPv4.

Apr 14 05:35:03 garuda daemon.info netopeer2-server[860]: Session 115 (user "root", CID 1) created.

Apr 14 05:35:03 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:35:03 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:35:03 garuda daemon.info netopeer2-server[860]: Failed user "installer" authentication attempt (#1).

Apr 14 05:35:03 garuda daemon.err netopeer2-server[860]: Communication SSH socket unexpectedly closed.

Apr 14 05:35:03 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:03 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:04 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:04 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:04 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:04 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:05 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:05 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:05 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:05 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:06 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:06 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:06 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:06 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:07 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:07 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:07 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:07 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:08 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:08 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:08 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:08 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:09 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:09 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:09 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:09 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:10 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:10 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:10 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:10 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:11 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:11 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:11 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:11 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:12 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:12 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:12 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:12 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: Successfully connected to 192.168.208.15:4334 over IPv4.

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: Session 116 (user "root", CID 1) created.

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: User "operator1" not found locally.

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: Failed user "operator1" authentication attempt (#1).

Apr 14 05:35:13 garuda daemon.err netopeer2-server[860]: Communication SSH socket unexpectedly closed.

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:13 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:13 garuda user.notice SYNCMNGR[1183]: Received message from S-Plane

Apr 14 05:35:14 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:14 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:14 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:14 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:15 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:15 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:15 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:15 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:16 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:16 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:16 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:16 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:17 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:17 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:17 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:17 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:18 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:18 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:18 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:18 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:19 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:19 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:19 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:19 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:20 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:20 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:20 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:20 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:21 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:21 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:21 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:21 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:22 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:22 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:22 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:22 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:23 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:23 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:23 garuda daemon.info netopeer2-server[860]: Trying to connect via IPv4 to 192.168.208.15:4334.

Apr 14 05:35:23 garuda daemon.info netopeer2-server[860]: getsockopt() error (Connection refused).

Apr 14 05:35:23 garuda auth.info sshd[7389]: Accepted password for operator from 192.168.208.15 port 48924 ssh2

Apr 14 05:35:23 garuda authpriv.info sshd[7389]: 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.

```
===============================================================================
  ***************** Actual Result ******************
===============================================================================


===============================================================================
******************* FAIL_REASON *******************
===============================================================================
Call home initiated..
===============================================================================
```
Reject_SSH_Authentication_due_to_Incorrect_Credential   =   FAIL
```
===============================================================================
```