@ **FILE NAME:** **M_CTC_ID_003.txt**

@ **TEST SCOPE:** **M PLANE O-RAN CONFORMANCE**

@ **Software Release for Garuda:** **v5.0.4**

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.

==
 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 2043118 bytes 1317447326 (1.3 GB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1016195 bytes 288547252 (288.5 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 3642287 bytes 261518246 (261.5 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 92858 bytes 7859099 (7.8 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 1055 bytes 152955 (152.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1054 bytes 98659 (98.6 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 116924 bytes 36496763 (36.4 MB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 116924 bytes 36496763 (36.4 MB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

===
DHCP Status
===

===
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; 5min ago
   Docs: man:dhcpd(8)
 Main PID: 3002 (dhcpd)
   Tasks: 1 (limit: 4915)
  CGroup: /system.slice/isc-dhcp-server.service
    hcpd -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=0.107 ms
64 bytes from 192.168.22.37: icmp_seq=2 ttl=64 time=0.175 ms
64 bytes from 192.168.22.37: icmp_seq=3 ttl=64 time=0.132 ms
64 bytes from 192.168.22.37: icmp_seq=4 ttl=64 time=0.173 ms
64 bytes from 192.168.22.37: icmp_seq=5 ttl=64 time=0.240 ms

--- 192.168.22.37 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4093ms
rtt min/avg/max/mdev = 0.107/0.165/0.240/0.046 ms

==

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

==

> listen --ssh --login observer

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 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:192.168.22.37 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:192.168.22.37' 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:192.168.22.37 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:192.168.22.37' 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:192.168.22.37 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:192.168.22.37' 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:192.168.22.37 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:192.168.22.37' 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:192.168.22.37 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.

```
================================================================================
  ############ SYSTEM LOGS #############
================================================================================
```

Apr 14 05:31:31 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:31 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:31 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:31 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:32 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:32 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:32 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:32 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:33 garuda user.notice SYNCMNGR[1181]: Received message from S-Plane

Apr 14 05:31:33 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:33 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:33 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:33 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:34 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:34 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:34 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:34 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:35 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:35 garuda daemon.info netopeer2-server[858]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:31:35 garuda daemon.info netopeer2-server[858]: Session 112 (user "root", CID 1) created.

Apr 14 05:31:36 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:31:36 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:31:36 garuda daemon.info netopeer2-server[858]: Failed user "observer" authentication attempt (#1).

Apr 14 05:31:36 garuda daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Apr 14 05:31:36 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:36 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:37 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:37 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:37 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:37 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:38 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:38 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:38 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:38 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:39 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:39 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:39 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:39 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:40 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:40 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:40 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:40 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:41 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:41 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:41 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:41 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:42 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:42 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:42 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:42 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:43 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:43 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:43 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:43 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:44 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:44 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:44 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:44 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:45 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:45 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:45 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:45 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:46 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:46 garuda daemon.info netopeer2-server[858]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:31:46 garuda daemon.info netopeer2-server[858]: Session 113 (user "root", CID 1) created.

Apr 14 05:31:46 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:31:46 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:31:46 garuda daemon.info netopeer2-server[858]: Failed user "operator" authentication attempt (#1).

Apr 14 05:31:46 garuda daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Apr 14 05:31:46 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:46 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:47 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:47 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:47 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:47 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:47 garuda user.notice SYNCMNGR[1181]: Received message from S-Plane

Apr 14 05:31:48 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:48 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:48 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:48 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:49 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:49 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:49 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:49 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:50 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:50 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:50 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:50 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:51 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:51 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:51 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:51 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:52 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:52 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:52 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:52 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:53 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:53 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:53 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:53 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:54 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:54 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:54 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:54 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:55 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:55 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:55 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:55 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: Session 114 (user "root", CID 1) created.

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: User "installerr" not found locally.

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: Failed user "installerr" authentication attempt (#1).

Apr 14 05:31:56 garuda daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:56 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:57 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:57 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:57 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:57 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:58 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:58 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:58 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:58 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:59 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:59 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:31:59 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:31:59 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:00 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:00 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:00 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:00 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:01 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:01 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:01 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:01 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:01 garuda user.notice SYNCMNGR[1181]: Received message from S-Plane

Apr 14 05:32:02 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:02 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:02 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:02 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:03 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:03 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:03 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:03 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:04 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:04 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:04 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:04 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:05 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:05 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:05 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:05 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:06 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:06 garuda daemon.info netopeer2-server[858]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:32:06 garuda daemon.info netopeer2-server[858]: Session 115 (user "root", CID 1) created.

Apr 14 05:32:06 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:32:06 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:32:06 garuda daemon.info netopeer2-server[858]: Failed user "installer" authentication attempt (#1).

Apr 14 05:32:06 garuda daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Apr 14 05:32:06 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:06 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:07 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:07 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:07 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:07 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:08 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:08 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:08 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:08 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:09 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:09 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:10 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:10 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:10 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:11 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:11 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:11 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:11 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:12 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:12 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:12 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:12 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:13 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:13 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:13 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:13 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:14 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:14 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:14 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:14 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:15 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:15 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:15 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:15 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:15 garuda user.notice SYNCMNGR[1181]: Received message from S-Plane

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: Successfully connected to 192.168.22.208:4334 over IPv4.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: Session 116 (user "root", CID 1) created.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: User "operator1" not found locally.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: Failed user "operator1" authentication attempt (#1).

Apr 14 05:32:16 garuda daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:16 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:17 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:17 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:18 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:18 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:18 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:19 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:19 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:19 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:19 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:20 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:20 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:20 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:20 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:21 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:21 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:21 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:21 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:22 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:22 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:22 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:22 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:23 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:23 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:23 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:23 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:24 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:24 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:24 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:24 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:25 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:25 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:25 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:25 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:26 garuda daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.22.208:4334.

Apr 14 05:32:26 garuda daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Apr 14 05:32:26 garuda auth.info sshd[6535]: Accepted password for operator from 192.168.22.208 port 58564 ssh2

Apr 14 05:32:26 garuda authpriv.info sshd[6535]: 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 ****************
====================================================================


====================================================================
Reject_SSH_Authentication_due_to_Incorrect_Credential    =        SUCCESS


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