@ FILE NAME: M_CTC_ID_003.txt

@ TEST SCOPE: M PLANE O-RAN CONFORMANCE

@ Software Release for LPRU: v1.0.16

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
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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 197711 bytes 39156381 (39.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 40735 bytes 26746115 (26.7 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 17

eth1: 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

eth2: 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::f702:9f88:c704:4f3d prefixlen 64 scopeid 0x20<link>
    ether 64:9d:99:b1:7e:62 txqueuelen 1000 (Ethernet)
    RX packets 10294 bytes 2313283 (2.3 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 11283 bytes 1001660 (1.0 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

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

eth2.6: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.98.88 netmask 255.255.255.0 broadcast 192.168.98.255
    inet6 fe80::669d:99ff:feb1:7e62 prefixlen 64 scopeid 0x20<link>
    ether 64:9d:99:b1:7e:62 txqueuelen 1000 (Ethernet)
    RX packets 437 bytes 75885 (75.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 451 bytes 49485 (49.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth2.124: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

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        inet 192.168.3.15  netmask 255.255.255.0  broadcast 192.168.3.255
        inet6 fe80::669d:99ff:feb1:7e62  prefixlen 64  scopeid 0x20<link>
        ether 64:9d:99:b1:7e:62  txqueuelen 1000  (Ethernet)
        RX packets 47  bytes 12940 (12.9 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 200  bytes 34519 (34.5 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 10119  bytes 1396768 (1.3 MB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 10119  bytes 1396768 (1.3 MB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

==
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 Sat 2023-01-21 18:14:11 IST; 4min 29s ago

   Docs: man:dhcpd(8)

 Main PID: 14085 (dhcpd)

  Tasks: 1 (limit: 4915)

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

  4085 dhcpd -user dhcpd -group dhcpd -f -4 -pf /run/dhcp-server/dhcpd.pid -cf /etc/dhcp/dhcpd.conf eth2.6

Jan 21 18:14:12 vvdn sh[14085]: Sending on   Socket/fallback/fallback-net

Jan 21 18:14:12 vvdn dhcpd[14085]: Sending on   LPF/eth2.6/64:9d:99:b1:7e:62/192.168.98.0/24

Jan 21 18:14:12 vvdn dhcpd[14085]: Sending on   Socket/fallback/fallback-net

Jan 21 18:14:12 vvdn dhcpd[14085]: Server starting service.

Jan 21 18:14:26 vvdn dhcpd[14085]: DHCPREQUEST for 192.168.174.37 from 98:ae:71:01:91:87 via eth2.6: ignored (not authoritative).

Jan 21 18:14:33 vvdn dhcpd[14085]: DHCPREQUEST for 192.168.174.37 from 98:ae:71:01:91:87 via eth2.6: ignored (not authoritative).

Jan 21 18:14:46 vvdn dhcpd[14085]: DHCPDISCOVER from 98:ae:71:01:91:87 via eth2.6

Jan 21 18:14:47 vvdn dhcpd[14085]: DHCPOFFER on 192.168.98.37 to 98:ae:71:01:91:87 (vvdn_lpru) via eth2.6

Jan 21 18:14:47 vvdn dhcpd[14085]: DHCPREQUEST for 192.168.98.37 (192.168.98.88) from 98:ae:71:01:91:87 (vvdn_lpru) via eth2.6

Jan 21 18:14:47 vvdn dhcpd[14085]: DHCPACK on 192.168.98.37 to 98:ae:71:01:91:87 (vvdn_lpru) via eth2.6

==
Pinging
==
PING 192.168.98.37 (192.168.98.37) 56(84) bytes of data.

64 bytes from 192.168.98.37: icmp_seq=1 ttl=64 time=0.155 ms

64 bytes from 192.168.98.37: icmp_seq=2 ttl=64 time=0.151 ms

64 bytes from 192.168.98.37: icmp_seq=3 ttl=64 time=0.175 ms

64 bytes from 192.168.98.37: icmp_seq=4 ttl=64 time=0.187 ms

64 bytes from 192.168.98.37: icmp_seq=5 ttl=64 time=0.140 ms

--- 192.168.98.37 ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4058ms

rtt min/avg/max/mdev = 0.140/0.161/0.187/0.022 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:192.168.98.37' 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

observer@::ffff:192.168.98.37 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:192.168.98.37' 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:192.168.98.37 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:192.168.98.37' 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

installerr@::ffff:192.168.98.37 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:192.168.98.37' 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

installer@::ffff:192.168.98.37 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:192.168.98.37' 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

operator1@::ffff:192.168.98.37 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 #############
==

Nov 4 00:05:01 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:01 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:02 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:02 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:03 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:03 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:04 vvdn_lpru user.notice SYNCMNGR[1174]: Received message from S-Plane

Nov 4 00:05:04 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:04 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:05 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:05 vvdn_lpru daemon.info netopeer2-server[858]: Successfully connected to 192.168.98.88:4334 over IPv4.

Nov 4 00:05:05 vvdn_lpru daemon.info netopeer2-server[858]: Session 89 (user "root", CID 1) created.

Nov 4 00:05:05 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:05:05 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:05:05 vvdn_lpru daemon.info netopeer2-server[858]: Failed user "observer" authentication attempt (#1).

Nov 4 00:05:06 vvdn_lpru daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Nov 4 00:05:07 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:07 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:08 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:08 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:09 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:09 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:10 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:10 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:11 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:11 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:12 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:12 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:13 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:13 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:14 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:14 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:14 vvdn_lpru user.notice SYNCMNGR[1174]: Received message from S-Plane

Nov 4 00:05:15 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:15 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:16 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:16 vvdn_lpru daemon.info netopeer2-server[858]: Successfully connected to 192.168.98.88:4334 over IPv4.

Nov 4 00:05:16 vvdn_lpru daemon.info netopeer2-server[858]: Session 90 (user "root", CID 1) created.

Nov 4 00:05:16 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:05:16 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:05:16 vvdn_lpru daemon.info netopeer2-server[858]: Failed user "operator" authentication attempt (#1).

Nov 4 00:05:16 vvdn_lpru daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Nov 4 00:05:17 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:17 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:18 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:18 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:19 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:19 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:20 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:20 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:21 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:21 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:22 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:22 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:23 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:23 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:24 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:24 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:24 vvdn_lpru user.notice SYNCMNGR[1174]: Received message from S-Plane
Nov 4 00:05:25 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:25 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:26 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:26 vvdn_lpru daemon.info netopeer2-server[858]: Successfully connected to 192.168.98.88:4334 over IPv4.
Nov 4 00:05:26 vvdn_lpru daemon.info netopeer2-server[858]: Session 91 (user "root", CID 1) created.
Nov 4 00:05:26 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".
Nov 4 00:05:26 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".
Nov 4 00:05:26 vvdn_lpru daemon.info netopeer2-server[858]: User "installerr" not found locally.
Nov 4 00:05:26 vvdn_lpru daemon.info netopeer2-server[858]: Failed user "installerr" authentication attempt (#1).
Nov 4 00:05:26 vvdn_lpru daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.
Nov 4 00:05:27 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:27 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:28 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:28 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:29 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:29 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:30 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:30 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:31 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:31 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:32 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:32 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:33 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:33 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:34 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:34 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:34 vvdn_lpru user.notice SYNCMNGR[1174]: Received message from S-Plane
Nov 4 00:05:35 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:35 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).
Nov 4 00:05:36 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.
Nov 4 00:05:36 vvdn_lpru daemon.info netopeer2-server[858]: Successfully connected to 192.168.98.88:4334 over IPv4.
Nov 4 00:05:36 vvdn_lpru daemon.info netopeer2-server[858]: Session 92 (user "root", CID 1) created.
Nov 4 00:05:36 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".
Nov 4 00:05:36 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".
Nov 4 00:05:36 vvdn_lpru daemon.info netopeer2-server[858]: Failed user "installer" authentication attempt (#1).

Nov 4 00:05:36 vvdn_lpru daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Nov 4 00:05:37 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:37 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:38 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:38 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:39 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:39 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:40 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:40 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:41 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:41 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:42 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:42 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:43 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:43 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:44 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:44 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:44 vvdn_lpru user.notice SYNCMNGR[1174]: Received message from S-Plane

Nov 4 00:05:45 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:45 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:46 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:46 vvdn_lpru daemon.info netopeer2-server[858]: Successfully connected to 192.168.98.88:4334 over IPv4.

Nov 4 00:05:46 vvdn_lpru daemon.info netopeer2-server[858]: Session 93 (user "root", CID 1) created.

Nov 4 00:05:46 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:05:46 vvdn_lpru daemon.info netopeer2-server[858]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:05:46 vvdn_lpru daemon.info netopeer2-server[858]: User "operator1" not found locally.

Nov 4 00:05:46 vvdn_lpru daemon.info netopeer2-server[858]: Failed user "operator1" authentication attempt (#1).

Nov 4 00:05:46 vvdn_lpru daemon.err netopeer2-server[858]: Communication SSH socket unexpectedly closed.

Nov 4 00:05:47 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:47 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:48 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:48 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:49 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:49 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:50 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:50 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:51 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:51 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:52 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:52 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:53 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:53 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:54 vvdn_lpru user.notice SYNCMNGR[1174]: Received message from S-Plane

Nov 4 00:05:54 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:54 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:55 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:55 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:56 vvdn_lpru daemon.info netopeer2-server[858]: Trying to connect via IPv4 to 192.168.98.88:4334.

Nov 4 00:05:56 vvdn_lpru daemon.info netopeer2-server[858]: getsockopt() error (Connection refused).

Nov 4 00:05:56 vvdn_lpru authpriv.debug sshd[5619]: pam_unix(sshd:account): account operator has password changed in future

Nov 4 00:05:56 vvdn_lpru auth.info sshd[5619]: Accepted password for operator from 192.168.98.88 port 46590 ssh2

Nov 4 00:05:56 vvdn_lpru authpriv.info sshd[5619]: 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

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