



**@ FILE NAME: M\_CTC\_ID\_003.txt**

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

**@ Software Release for MCB1: v1.0.7**

**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 192.168.4.15 netmask 255.255.255.0 broadcast 192.168.4.255
    ether 64:9d:99:ff:f5:12 txqueuelen 1000 (Ethernet)
    RX packets 89794 bytes 42440462 (42.4 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 103479 bytes 78875289 (78.8 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 64:9d:99:ff:f5:13 txqueuelen 1000 (Ethernet)
    RX packets 12 bytes 2876 (2.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 66 bytes 8226 (8.2 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth2: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.25.96.163 netmask 255.255.254.0 broadcast 172.25.97.255
    inet6 fe80::a7de:bea9:9091:a5f0 prefixlen 64 scopeid 0x20<link>
    ether b4:2e:99:60:73:8c txqueuelen 1000 (Ethernet)
    RX packets 3401708 bytes 382096397 (382.0 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 16846501 bytes 23333293464 (23.3 GB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 16 memory 0xb1400000-b1420000

eth0.16: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.226.149 netmask 255.255.255.0 broadcast 192.168.226.255
    inet6 fe80::669d:99ff:feff:f512 prefixlen 64 scopeid 0x20<link>
    ether 64:9d:99:ff:f5:12 txqueuelen 1000 (Ethernet)
    RX packets 388 bytes 36028 (36.0 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 469 bytes 33811 (33.8 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth0.21: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.244.35 netmask 255.255.255.0 broadcast 192.168.244.255
    inet6 fe80::669d:99ff:feff:f512 prefixlen 64 scopeid 0x20<link>
    ether 64:9d:99:ff:f5:12 txqueuelen 1000 (Ethernet)
    RX packets 527 bytes 119089 (119.0 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 542 bytes 65681 (65.6 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 1648907 bytes 40904702937 (40.9 GB)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 1648907 bytes 40904702937 (40.9 GB)  
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 Wed 2023-01-04 16:20:53 IST; 3min 49s ago

Docs: man:dhcpcd(8)

Main PID: 24085 (dhcpcd)

Tasks: 1 (limit: 4915)

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

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

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

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

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

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

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

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

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

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

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

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

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**##### Pinging #####**

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

64 bytes from 192.168.244.37: icmp\_seq=1 ttl=64 time=0.154 ms

64 bytes from 192.168.244.37: icmp\_seq=2 ttl=64 time=0.201 ms

64 bytes from 192.168.244.37: icmp\_seq=3 ttl=64 time=0.203 ms

64 bytes from 192.168.244.37: icmp\_seq=4 ttl=64 time=0.191 ms

64 bytes from 192.168.244.37: icmp\_seq=5 ttl=64 time=0.085 ms

--- 192.168.244.37 ping statistics ---

5 packets transmitted, 5 received, 0% packet loss, time 4069ms

rtt min/avg/max/mdev = 0.085/0.166/0.203/0.047 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:192.168.244.37' cannot be established.

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

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

observer@::ffff:192.168.244.37 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.

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> listen --ssh --login operator

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

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

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

operator@::ffff:192.168.244.37 password:

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.

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> listen --ssh --login installerr

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

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

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

installerr@::ffff:192.168.244.37 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.

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> listen --ssh --login installer

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

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

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

installer@::ffff:192.168.244.37 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.

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> listen --ssh --login operator1

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

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

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

operator1@::ffff:192.168.244.37 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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Nov 4 00:03:27 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:27 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:28 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:28 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:29 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:29 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:30 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:30 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:31 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:31 mcb1 daemon.info netopeer2-server[985]: Successfully connected to 192.168.244.35:4334 over IPv4.

Nov 4 00:03:31 mcb1 daemon.info netopeer2-server[985]: Session 121 (user "root", CID 1) created.

Nov 4 00:03:31 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:03:31 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:03:31 mcb1 daemon.info netopeer2-server[985]: Failed user "observer" authentication attempt (#1).

Nov 4 00:03:31 mcb1 daemon.err netopeer2-server[985]: Communication SSH socket unexpectedly closed.

Nov 4 00:03:32 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:32 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:32 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:32 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

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Nov 4 00:03:32 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:32 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:32 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:33 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:33 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:34 mcb1 user.notice SYNCMNDR[1320]: Received message from S-Plane

Nov 4 00:03:34 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:34 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:35 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:35 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:36 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:36 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:37 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:37 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:38 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:38 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:39 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:39 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:40 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:40 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:41 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:41 mcb1 daemon.info netopeer2-server[985]: Successfully connected to 192.168.244.35:4334 over IPv4.

Nov 4 00:03:41 mcb1 daemon.info netopeer2-server[985]: Session 122 (user "root", CID 1) created.

Nov 4 00:03:41 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:03:41 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:03:41 mcb1 daemon.info netopeer2-server[985]: Failed user "operator" authentication attempt (#1).

Nov 4 00:03:42 mcb1 daemon.err netopeer2-server[985]: Communication SSH socket unexpectedly closed.

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:42 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcbk0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:43 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:43 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:44 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:44 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:44 mcb1 user.notice SYNCMNGR[1320]: Received message from S-Plane

Nov 4 00:03:45 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:45 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:46 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:46 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/fw\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/nw\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/operations\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/pm\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/um\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/sys\_monitor

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/fault\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/file\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/supervision

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/sync\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/ald\_controller

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/log\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/radio\_manager

Nov 4 00:03:46 mcb1 user.notice wd\_manager[1455]: Value is 1 for Xpath /vvdn\_mcel-wdm:system-apps/cli\_manager

Nov 4 00:03:47 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:47 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:48 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:48 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:49 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:49 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:50 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:50 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:51 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:51 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:52 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:52 mcb1 daemon.info netopeer2-server[985]: Successfully connected to 192.168.244.35:4334 over IPv4.



Nov 4 00:03:52 mcb1 daemon.info netopeer2-server[985]: Session 123 (user "root", CID 1) created.

Nov 4 00:03:52 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:03:52 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:03:52 mcb1 daemon.info netopeer2-server[985]: User "installerr" not found locally.

Nov 4 00:03:52 mcb1 daemon.info netopeer2-server[985]: Failed user "installerr" authentication attempt (#1).

Nov 4 00:03:52 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:52 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:52 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:52 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:52 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:52 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:52 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:52 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:03:52 mcb1 daemon.err netopeer2-server[985]: Communication SSH socket unexpectedly closed.

Nov 4 00:03:53 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:53 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:54 mcb1 user.notice SYNCMNGR[1320]: Received message from S-Plane

Nov 4 00:03:54 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:54 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:55 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:55 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:56 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:56 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:57 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:57 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:58 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:58 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:03:59 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:03:59 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:00 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:00 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:01 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:01 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:02 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:02 mcb1 daemon.info netopeer2-server[985]: Successfully connected to 192.168.244.35:4334 over IPv4.

Nov 4 00:04:02 mcb1 daemon.info netopeer2-server[985]: Session 124 (user "root", CID 1) created.

Nov 4 00:04:02 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:04:02 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:04:02 mcb1 daemon.info netopeer2-server[985]: Failed user "installer" authentication attempt (#1).



Nov 4 00:04:02 mcb1 daemon.err netopeer2-server[985]: Communication SSH socket unexpectedly closed.

Nov 4 00:04:03 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:03 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:04 mcb1 user.notice SYNCMNGR[1320]: Received message from S-Plane

Nov 4 00:04:04 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:04 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:05 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:05 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:06 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:06 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:07 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:07 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:08 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:08 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:09 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:09 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:10 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:10 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:11 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:11 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:12 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:12 mcb1 daemon.info netopeer2-server[985]: Successfully connected to 192.168.244.35:4334 over IPv4.

Nov 4 00:04:12 mcb1 daemon.info netopeer2-server[985]: Session 125 (user "root", CID 1) created.

Nov 4 00:04:12 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-service" of subtype "ssh-userauth".

Nov 4 00:04:12 mcb1 daemon.info netopeer2-server[985]: Received an SSH message "request-auth" of subtype "password".

Nov 4 00:04:12 mcb1 daemon.info netopeer2-server[985]: User "operator1" not found locally.

Nov 4 00:04:12 mcb1 daemon.info netopeer2-server[985]: Failed user "operator1" authentication attempt (#1).

Nov 4 00:04:12 mcb1 daemon.err netopeer2-server[985]: Communication SSH socket unexpectedly closed.

Nov 4 00:04:13 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:13 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:14 mcb1 user.notice SYNCMNGR[1320]: Received message from S-Plane

Nov 4 00:04:14 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:14 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:15 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:15 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:16 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:16 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:17 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:17 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:18 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:18 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:19 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:19 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:20 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:20 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:21 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:21 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:22 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:22 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:22 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:22 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:22 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:22 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:22 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:22 mcb1 user.warn pm\_manager[1386]: Failed to open /media/sd-mmcb1k0p4/O-RAN/log/timezone. Using default value...

Nov 4 00:04:22 mcb1 daemon.info netopeer2-server[985]: Trying to connect via IPv4 to 192.168.244.35:4334.

Nov 4 00:04:22 mcb1 daemon.info netopeer2-server[985]: getsockopt() error (Connection refused).

Nov 4 00:04:22 mcb1 authpriv.debug sshd[2602]: pam\_unix(sshd:account): account operator has password changed in future

Nov 4 00:04:22 mcb1 auth.info sshd[2602]: Accepted password for operator from 192.168.244.35 port 47904 ssh2

Nov 4 00:04:22 mcb1 authpriv.info sshd[2602]: pam\_unix(sshd:session): session opened for user operator by (uid=0)

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

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\*\*\*\*\* Actual Result \*\*\*\*\*

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<b>Reject_SSH_Authentication_due_to_Incorrect_Credential</b>	<b>=</b>	<b>SUCCESS</b>
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