

Connor Schuler
SYS-255-01
STR2026

Deliverable 1: Image shows 2 successful pings transmitted and received to each address: google.com, ad01-connor, fw01-connor. Shows client as user “connor” on system “dhcp01-connor”.

```
dhcp01-connor login: connor
Password:
[connor@dhcp01-connor ~]$ ping google.com
PING google.com (172.217.165.142) 56(84) bytes of data.
64 bytes from lga25s70-in-f14.1e100.net (172.217.165.142): icmp_seq=1 ttl=113 time=15.3 ms
64 bytes from lax30s03-in-f14.1e100.net (172.217.165.142): icmp_seq=2 ttl=113 time=16.0 ms
^C
--- google.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 15.289/15.619/15.950/0.330 ms
[connor@dhcp01-connor ~]$ ping ad01
ping: ad01: Name or service not known
[connor@dhcp01-connor ~]$ ping ad01-connor
PING ad01-connor.connor.local (10.0.5.5) 56(84) bytes of data.
64 bytes from ad01-connor.connor.local (10.0.5.5): icmp_seq=1 ttl=128 time=0.433 ms
64 bytes from ad01-connor.connor.local (10.0.5.5): icmp_seq=2 ttl=128 time=0.871 ms
^C
--- ad01-connor.connor.local ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.433/0.652/0.871/0.219 ms
[connor@dhcp01-connor ~]$ ping fw01-connor
PING fw01-connor.connor.local (10.0.5.2) 56(84) bytes of data.
64 bytes from fw01-connor.connor.local (10.0.5.2): icmp_seq=1 ttl=64 time=0.597 ms
64 bytes from fw01-connor.connor.local (10.0.5.2): icmp_seq=2 ttl=64 time=0.657 ms
^C
--- fw01-connor.connor.local ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 0.597/0.627/0.657/0.030 ms
[connor@dhcp01-connor ~]$
```

Deliverable 2: Image shows a 1 successful reverse lookup ping from wks01-connor to dhcp01-connor.

```
PS C:\WINDOWS\system32> ping -n 1 dhcp01-connor

Pinging dhcp01-connor.connor.local [10.0.5.3] with 32 bytes of data:
Reply from 10.0.5.3: bytes=32 time=1ms TTL=64

Ping statistics for 10.0.5.3:
    Packets: Sent = 1, Received = 1, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 1ms, Average = 1ms
PS C:\WINDOWS\system32>
```

Deliverable 3: Image shows remote client hostname of wks01-connor and an open ssh connection to connor@dhcp01-connor.

```
PS C:\WINDOWS\system32> hostname
wks01-connor
PS C:\WINDOWS\system32> ssh connor@dhcp01-connor
connor@dhcp01-connor's password:
Last login: Thu Jan 29 11:33:33 2026 from 10.0.5.100
[connor@dhcp01-connor ~]$
```

Deliverable 4: Image shows 10 most recent commands run on dhcp01-connor.

```
[connor@dhcp01-connor ~]$ history | head -n 10
 1 exit
 2 history | head -n 10
 3 ls
 4 ls-la
 5 ls -la
 6 ping -c1 google.com
 7 ping -c1 fw01-connor
 8 ping -c1 ad01-connor
 9 clear
10 ip addr
[connor@dhcp01-connor ~]$ -
```

Deliverable 5:

- A) Bash History
 - a) Pro: useful for monitoring or system auditing
 - b) Con: easily tampered with, could contain sensitive data
- B) "history -cw"

Deliverable 6: Formatting

Deliverable 7: journal.connorthenetworkjester.net