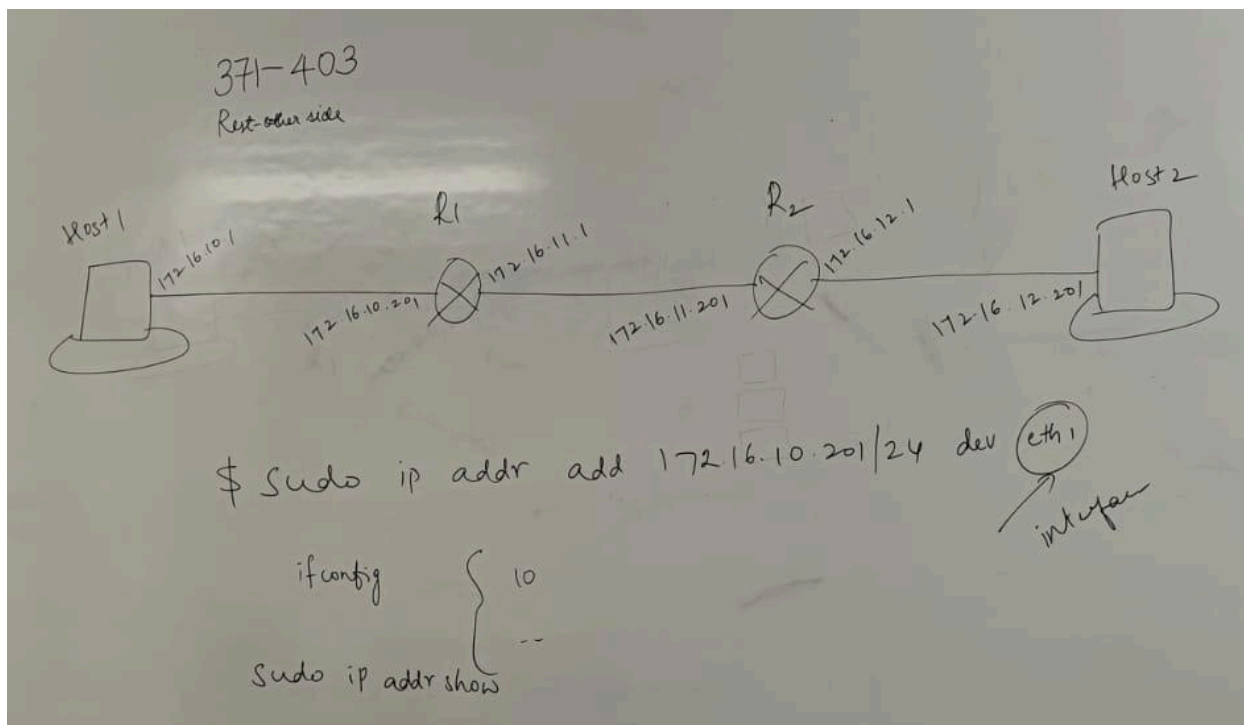


Network diagram with static IP addresses:

Command for added static IP in command prompt - `sudo ip addr add <IP> dev <interface>`



Captured packets after successful connection and ping:

Time	Source	Destination	Protocol	Length	Info
1.0.000000000	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=5/1280, ttl=64 (reply in 2)
2.0.002791791	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=5/1280, ttl=62 (request in 1)
3.1.002159788	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=6/1536, ttl=64 (reply in 4)
4.1.005067275	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=6/1536, ttl=62 (request in 3)
5.1.049080344	Dell a2:76:dc	Dell a2:77:2f	ARP	60	Who has 172.16.10.1? Tell 172.16.10.201
6.1.049022966	Dell a2:77:2f	Dell a2:76:dc	ARP	42	172.16.10.1 is at 00:4e:01:a2:77:2f
7.2.003441553	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=7/1792, ttl=64 (reply in 8)
8.2.006118992	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=7/1792, ttl=62 (request in 7)
9.3.005535996	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=8/2048, ttl=64 (reply in 10)
10.3.008645095	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=8/2048, ttl=62 (request in 9)
11.4.005975755	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=9/2304, ttl=64 (reply in 12)
12.4.008951579	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=9/2304, ttl=62 (request in 11)
13.4.514553085	172.16.10.1	172.16.10.255	BROWSER	284	Host Announcement PESU-OPTIPLEX-3, Workstation, Server, Print Queue Serv
14.4.514591997	172.16.10.1	172.16.10.255	NBNS	92	Name query NB WORKGROUP<1d>
15.5.007406952	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=10/2560, ttl=64 (reply in 16)
16.5.016037681	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=10/2560, ttl=62 (request in 15)
17.6.008771649	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=11/2816, ttl=64 (reply in 18)
18.6.011589312	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=11/2816, ttl=62 (request in 17)
19.6.517329115	172.16.10.1	172.16.10.255	NBNS	92	Name query NB WORKGROUP<1d>
20.6.517396449	172.16.10.1	172.16.10.255	NBNS	92	Name query NB WORKGROUP<1d>
21.7.011055316	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=12/3072, ttl=64 (reply in 22)
22.7.013850903	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=12/3072, ttl=62 (request in 21)
23.8.013330034	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=13/3328, ttl=64 (reply in 24)
24.8.015921974	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=13/3328, ttl=62 (request in 23)
25.8.520291238	172.16.10.1	172.16.10.255	NBNS	92	Name query NB WORKGROUP<1d>
26.9.015380099	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=14/3584, ttl=64 (reply in 27)
27.9.018341755	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=14/3584, ttl=62 (request in 26)
28.10.016537228	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=15/3840, ttl=64 (reply in 29)
29.10.018948892	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=15/3840, ttl=62 (request in 28)
30.11.018195590	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=16/4096, ttl=64 (reply in 31)
31.11.020723840	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=16/4096, ttl=62 (request in 30)
32.12.019928487	172.16.10.1	172.16.12.201	ICMP	98	Echo (ping) request id=0x3cd9, seq=17/4352, ttl=64 (reply in 33)
33.12.022413432	172.16.12.201	172.16.10.1	ICMP	98	Echo (ping) reply id=0x3cd9, seq=17/4352, ttl=62 (request in 32)

Frame 1: 98 bytes on wire (784 bits), 98 bytes captured (784 bits) on interface 0
Ethernet II, Src: Dell a2:77:2f (00:4e:01:a2:77:2f), Dst: Dell a2:76:dc (00:4e:01:a2:76:dc)
Internet Protocol Version 4, Src: 172.16.10.1, Dst: 172.16.12.201
Internet Control Message Protocol