

Network Task

1. Get me the IP address of a particular domain (guvi.in)

Using **dig** command

```
govind-19364@govind-19364:~$ dig a guvi.in +short
172.67.70.207
104.26.5.88
104.26.4.88
```

How do I find my CPU/memory usage of my server?

Using **htop** command

```
0[|||||] 18.9% 4[|||||] 18.6% 8[|||||] 14.0% 12[|||||] 14.7%
1[|||||] 15.4% 5[|||||] 12.7% 9[|||||] 14.0% 13[|||||] 15.7%
2[|||||] 27.5% 6[|||||] 26.3% 10[|||||] 14.4% 14[|||||] 12.7%
3[|||||] 17.0% 7[|||||] 13.9% 11[|||||] 13.2% 15[|||||] 18.7%
Mem[|||||] 11.1G/15.3G Tasks: 469, 2353 thr, 255 kthr; 2 running
Swp[|||||] 3.53G/4.00G Load average: 2.55 2.84 3.31
Uptime: 16 days, 17:01:32

Main T/O
PID USER PRI NI VIRT RES SHR S CPU%MEM% TIME+ Command
49989 root 30 10 3481M 32400 11284 S 15.8 0.2 5h10:52 /etc/0Agent/bin/0Agent
2015 root 30 10 3481M 32400 11284 S 15.3 0.2 4h50:07 /etc/0Agent/bin/0Agent
6404 root 30 10 3481M 32400 11284 S 15.3 0.2 5h39:51 /etc/0Agent/bin/0Agent
1783713 govind-193 20 0 17172 9812 3924 R 14.7 0.1 0:01.61 htop
2095 root 30 10 3481M 32400 11284 S 13.5 0.2 5h47:01 /etc/0Agent/bin/0Agent
```

Test the connectivity between 2 nodes?

Using **ping** command

```
govind-19364@govind-19364:~$ ping guvi.in
PING guvi.in (104.26.4.88) 56(84) bytes of data.
64 bytes from 104.26.4.88: icmp_seq=1 ttl=57 time=3.44 ms
64 bytes from 104.26.4.88: icmp_seq=2 ttl=57 time=6.34 ms
64 bytes from 104.26.4.88: icmp_seq=3 ttl=57 time=30.6 ms
64 bytes from 104.26.4.88: icmp_seq=4 ttl=57 time=3.74 ms
64 bytes from 104.26.4.88: icmp_seq=5 ttl=57 time=13.3 ms
^C
--- guvi.in ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4007ms
rtt min/avg/max/mdev = 3.444/11.472/30.586/10.188 ms
```

2. I have deployed an application in guvi.com:9000, and logs show my app is running, but I'm unable to view the page. Check whether my port is open or not ?

Using **nc** command. 9000 port is not open in guvi.in

```
govind-19364@govind-19364:~$ nc -w 3 -v guvi.in 9000
nc: connect to guvi.in (172.67.70.207) port 9000 (tcp) timed out: Operation now in progress
nc: connect to guvi.in (104.26.4.88) port 9000 (tcp) timed out: Operation now in progress
nc: connect to guvi.in (104.26.5.88) port 9000 (tcp) timed out: Operation now in progress
```

or we can use external tool as well.

Online service Port check

 **Port check** – Tests if TCP port is opened on specified IP

IP address or host name: Port number: Enter code:

guvi.in:9000 port is **closed**