

1. Get me the IP address of a particular domain (guvi.in). How do I find my CPU/memory usage of my server? Test the connectivity between 2 nodes?

- Get Ip address of particular domain,

```
# nploopup guvi.in  
# dig guvi.in
```

```
root@ip-172-31-10-96:~# nslookup guvi.in  
Server: 127.0.0.53  
Address: 127.0.0.53#53  
  
Non-authoritative answer:  
Name: guvi.in  
Address: 104.26.4.88  
Name: guvi.in  
Address: 172.67.70.207  
Name: guvi.in  
Address: 104.26.5.88  
Name: guvi.in  
Address: 2606:4700:20::681a:558  
Name: guvi.in  
Address: 2606:4700:20::681a:458  
Name: guvi.in  
Address: 2606:4700:20::ac43:46cf  
  
root@ip-172-31-10-96:~# dig guvi.in  
  
; <>> DiG 9.18.39-0ubuntu0.24.04.1-Ubuntu <>> guvi.in  
;; global options: +cmd  
;; Got answer:  
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 607  
;; flags: qr rd ra; QUERY: 1, ANSWER: 3, AUTHORITY: 0, ADDITIONAL: 1  
  
;; OPT PSEUDOSECTION:  
; EDNS: version: 0, flags:; udp: 65494  
;; QUESTION SECTION:  
;guvi.in. IN A  
  
;; ANSWER SECTION:  
guvi.in. 293 IN A 172.67.70.207  
guvi.in. 293 IN A 104.26.4.88  
guvi.in. 293 IN A 104.26.5.88  
  
;; Query time: 0 msec  
;; SERVER: 127.0.0.53#53(127.0.0.53) (UDP)  
;; WHEN: Tue Dec 16 04:34:07 UTC 2025  
;; MSG SIZE rcvd: 84
```

- CPU/memory usage of my server

```
#htop  
#top
```

```

root@ip-172-31-10-96:~# htop
[redacted]
root@ip-172-31-10-96:~# top
[redacted]
Tasks: 110 total, 1 running, 109 sleeping, 0 stopped, 0 zombie
%Cpu(s): 0.0/0.7   1[ ]
MiB Mem : 957.3 total, 411.8 free, 314.8 used, 388.0 buff/cache
MiB Swap: 0.0 total, 0.0 free, 0.0 used. 642.5 avail Mem
[redacted]
root@ip-172-31-10-96:~# 

CPU [|||||] Tasks: 33, 36 thr, 79 kthr; 1 running
Mem [|||||] Load average: 0.00 0.04 0.01
OK/OK Uptime: 00:05:09

Main CPU:
PID USER PRI NI VIRT RES SHR S CPU% MEM% TIME+ Command
[redacted]
root@ip-172-31-10-96:~# 

```

- Check connectivity between two nodes

#ping guvi.in

```

root@ip-172-31-10-96:~# ping guvi.in
[redacted]
ping guvi.in (104.26.5.88) 32(24) bytes of data.
64 bytes from 104.26.5.88: icmp_seq=1 ttl=57 time=1.82 ms
64 bytes from 104.26.5.88: icmp_seq=2 ttl=57 time=2.03 ms
64 bytes from 104.26.5.88: icmp_seq=3 ttl=57 time=1.37 ms
64 bytes from 104.26.5.88: icmp_seq=4 ttl=57 time=1.30 ms
64 bytes from 104.26.5.88: icmp_seq=5 ttl=57 time=1.31 ms
64 bytes from 104.26.5.88: icmp_seq=6 ttl=57 time=1.34 ms
64 bytes from 104.26.5.88: icmp_seq=7 ttl=57 time=1.73 ms
64 bytes from 104.26.5.88: icmp_seq=8 ttl=57 time=1.31 ms
64 bytes from 104.26.5.88: icmp_seq=9 ttl=57 time=1.31 ms
64 bytes from 104.26.5.88: icmp_seq=10 ttl=57 time=1.60 ms
64 bytes from 104.26.5.88: icmp_seq=11 ttl=57 time=1.59 ms
64 bytes from 104.26.5.88: icmp_seq=12 ttl=57 time=1.46 ms
64 bytes from 104.26.5.88: icmp_seq=13 ttl=57 time=1.56 ms
64 bytes from 104.26.5.88: icmp_seq=14 ttl=57 time=1.31 ms
64 bytes from 104.26.5.88: icmp_seq=15 ttl=57 time=1.36 ms
64 bytes from 104.26.5.88: icmp_seq=16 ttl=57 time=1.31 ms
64 bytes from 104.26.5.88: icmp_seq=17 ttl=57 time=1.29 ms
64 bytes from 104.26.5.88: icmp_seq=18 ttl=57 time=1.50 ms
64 bytes from 104.26.5.88: icmp_seq=19 ttl=57 time=1.48 ms
64 bytes from 104.26.5.88: icmp_seq=20 ttl=57 time=1.71 ms
64 bytes from 104.26.5.88: icmp_seq=21 ttl=57 time=1.80 ms
64 bytes from 104.26.5.88: icmp_seq=22 ttl=57 time=1.31 ms
64 bytes from 104.26.5.88: icmp_seq=23 ttl=57 time=2.55 ms
64 bytes from 104.26.5.88: icmp_seq=24 ttl=57 time=1.30 ms
64 bytes from 104.26.5.88: icmp_seq=25 ttl=57 time=1.30 ms
64 bytes from 104.26.5.88: icmp_seq=26 ttl=57 time=1.34 ms
64 bytes from 104.26.5.88: icmp_seq=27 ttl=57 time=2.01 ms
64 bytes from 104.26.5.88: icmp_seq=28 ttl=57 time=1.33 ms
64 bytes from 104.26.5.88: icmp_seq=29 ttl=57 time=1.30 ms
64 bytes from 104.26.5.88: icmp_seq=30 ttl=57 time=1.52 ms
64 bytes from 104.26.5.88: icmp_seq=31 ttl=57 time=1.38 ms
^C
--- guvi.in ping statistics ---
31 packets transmitted, 31 received, 0% packet loss, time 30047ms
rtt min/avg/max/mdev = 1.292/1.510/2.554/0.284 ms
root@ip-172-31-10-96:~#
root@ip-172-31-10-96:~#

```

- TraceRoute of guvi.in

```
#traceroute guvi.in
```

```
root@ip-172-31-10-96:~# traceroute guvi.in
traceroute to guvi.in (172.67.70.207), 64 nops max
 1  244.5.0.101  7.055ms  8.347ms  7.992ms
 2  100.65.19.144  6.055ms  7.872ms  7.997ms
 3  100.66.9.72  3.131ms  8.162ms  8.639ms
 4  240.3.120.13  1.553ms  1.450ms  1.698ms
 5  242.8.229.133  1.446ms  1.129ms  1.000ms
 6  99.83.89.196  1.508ms  1.885ms  1.693ms
 7  240.3.120.13  1.992ms  1.607ms  1.315ms
 8  162.158.226.17  2.196ms  1.884ms  2.068ms
 9  162.158.226.5  1.404ms  1.318ms  1.313ms
10  99.83.89.197  49.406ms  *  1.569ms
11  162.158.226.87  1.197ms  1.040ms  1.324ms
12  172.67.70.207  1.287ms  1.031ms  1.201ms
```

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 ?

- Netstat command used to identify listen port on your server

```
# netstat -tulnp | grep 9000
```

```
#netstat -tulnp
```

```
root@ip-172-31-10-96:~# netstat -tulnp | grep 9000
root@ip-172-31-10-96:~# netstat -tulnp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address          Foreign Address        State      PID/Program name
tcp        0      0 127.0.0.53:53           0.0.0.0:*
tcp        0      0 0.0.0.0:22             0.0.0.0:*
tcp        0      0 127.0.0.54:53           0.0.0.0:*
tcp6       0      0 ::1:22                ::*:*
tcp        0      0 127.0.0.1:323            0.0.0.0:*
tcp        0      0 127.0.0.54:53           0.0.0.0:*
tcp        0      0 127.0.0.53:53           0.0.0.0:*
tcp        0      0 172.31.10.96:68          0.0.0.0:*
udp6       0      0 ::1:323               :::*
root@ip-172-31-10-96:~# sudo ufw status
```

- Allow firewall setting

```
#sudo ufw enable 9000
```

```
#sudo ufw active
```

```
#sudo ufw status
```

```
root@ip-172-31-10-96:~# sudo ufw status
Status: active

To                         Action      From
--                         --         --
9000                       ALLOW      Anywhere
9000/tcp                   ALLOW      Anywhere
9000 (v6)                  ALLOW      Anywhere (v6)
9000/tcp (v6)              ALLOW      Anywhere (v6)
```

- Check firewall setting if you're using cloud AWS check the security group enable port 9000.

Inbound rules [Info](#)

Security group rule ID	Type Info	Protocol Info	Port range	Source Info	Description - optional Info
sgr-04f0978bfad4cef5e	SSH	TCP	22	Cust... Info	<input type="text"/> REDACTED/32 X
sgr-07b7da668d88d2530	Custom TCP	TCP	9000	Cust... Info	<input type="text"/> 0.0.0.0/0 X

[Add rule](#)

⚠ Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only. X

[Cancel](#) [Preview changes](#) [Save rules](#)

- Access port via another machine/server

```
# nc -zv guvi.com 9000
```

```
root@ip-172-31-10-96:~# ^C
root@ip-172-31-10-96:~# nc -zv guvi.com 9000
nc: connect to guvi.com (172.67.146.154) port 9000 (tcp) failed: Connection timed out
```