

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

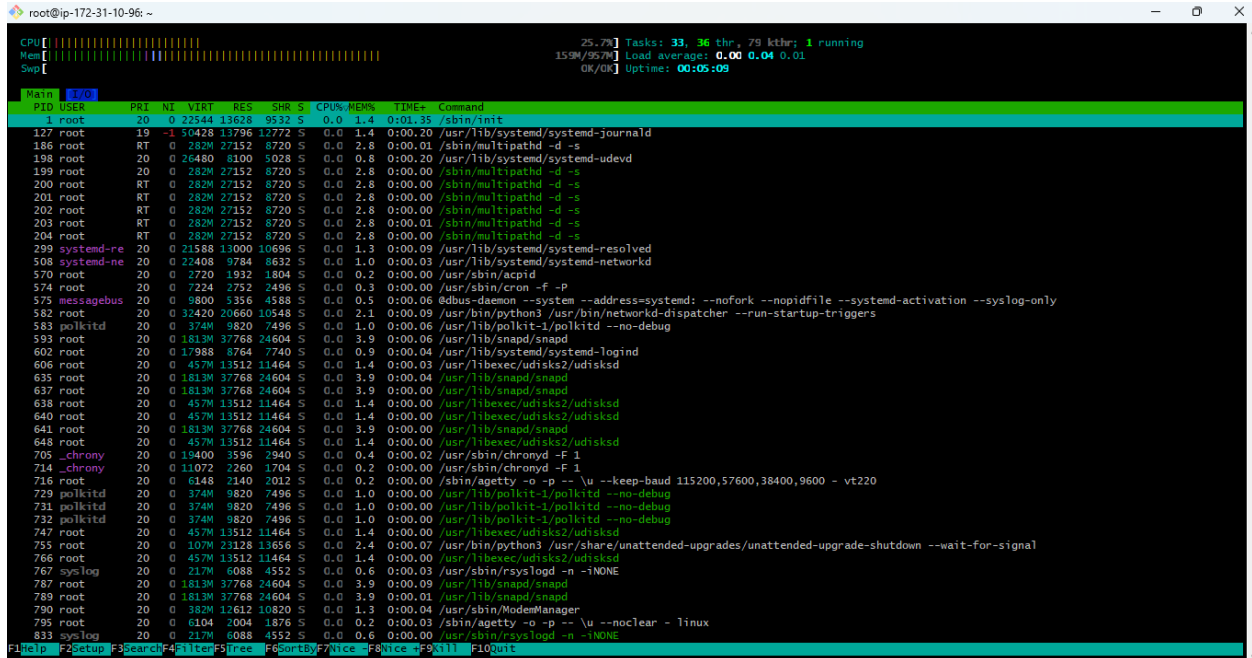
#htop

#top

```

root@ip-172-31-10-96:~#
root@ip-172-31-10-96:~# http
root@ip-172-31-10-96:~#
root@ip-172-31-10-96:~#
root@ip-172-31-10-96:~# top
top - 04:36:03 up 9 min, 1 user, load average: 0.00, 0.00, 0.00
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

```



- Check connectivity between two nodes
#ping guvi.in

```

root@ip-172-31-10-96:~# ping guvi.in
PING guvi.in (104.26.5.88) 56(84) 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 hops 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:*                LISTEN      299/systemd-resolve
tcp        0      0 0.0.0.0:22             0.0.0.0:*                LISTEN      1/init
tcp        0      0 127.0.0.54:53          0.0.0.0:*                LISTEN      299/systemd-resolve
tcp6       0      0 :::22                  :::*                    LISTEN      1/init
udp        0      0 127.0.0.1:323          0.0.0.0:*                705/chronyd
udp        0      0 127.0.0.54:53          0.0.0.0:*                299/systemd-resolve
udp        0      0 127.0.0.53:53          0.0.0.0:*                299/systemd-resolve
udp        0      0 172.31.10.96:68        0.0.0.0:*                508/systemd-network
udp6       0      0 :::1:323               :::*                    705/chronyd
```

- 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 your using cloud aws check the security group enable port 9000.

Inbound rules [Info](#)

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

[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.

[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
```