

Network Task

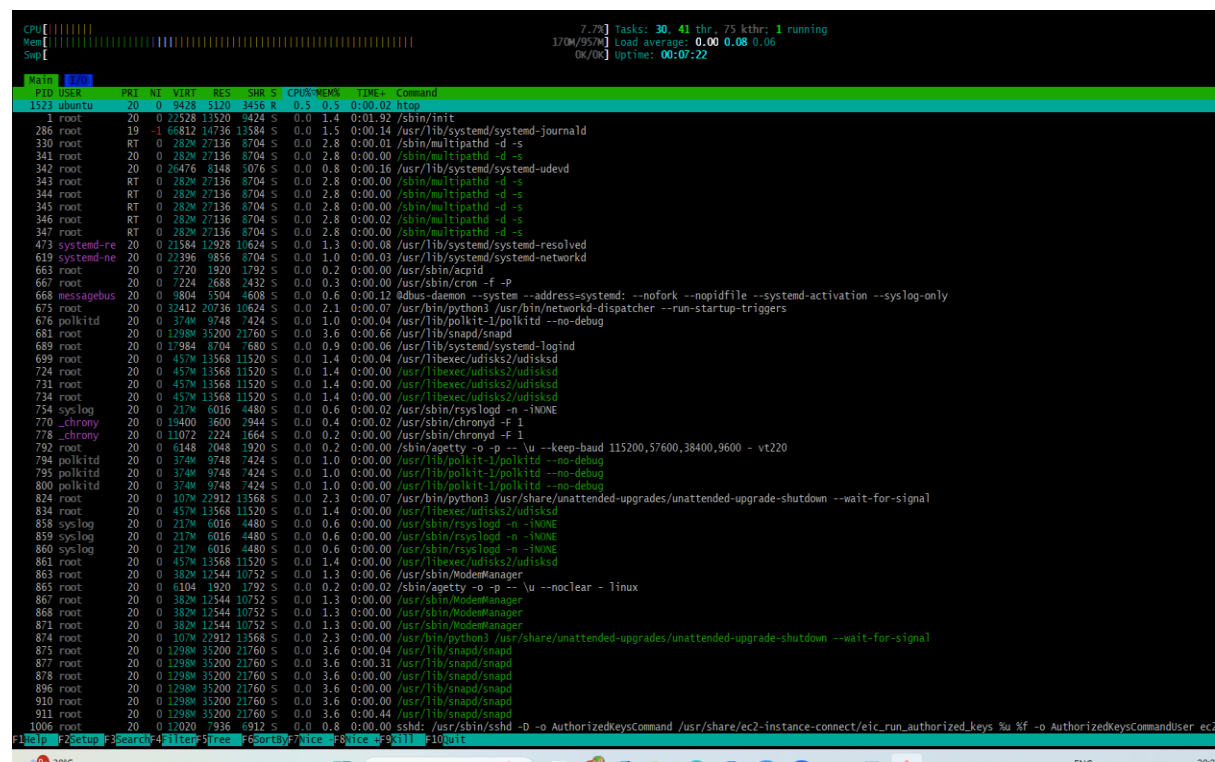
TASK1:Get me the IP address of a particular domain (guvi.in). How do I find my CPU/memory usage of my server?. Test the connectivity between 2 nodes?

1.Get IP Address of guvi.in: **ping guvi.in**

```
Last login: Mon Apr 28 04:27:16 2025 from 223.185.200.132
ubuntu@ip-172-31-92-190:~$ nslookup guvi.in
Server:         127.0.0.53
Address:        127.0.0.53#53

Non-authoritative answer:
Name:   guvi.in
Address: 104.26.5.88
Name:   guvi.in
Address: 172.67.70.207
Name:   guvi.in
Address: 104.26.4.88
Name:   guvi.in
Address: 2606:4700:20::681a:558
Name:   guvi.in
Address: 2606:4700:20::ac43:46cf
Name:   guvi.in
Address: 2606:4700:20::681a:458
```

2.Find CPU and Memory Usage: **top or free -h**



```
ubuntu@ip-172-31-92-190:~$ free -h
              total        used        free      shared  buff/cache   available
Mem:          957Mi        311Mi        360Mi        900Ki        430Mi        646Mi
Swap:           0B           0B           0B
ubuntu@ip-172-31-92-190:~$
```

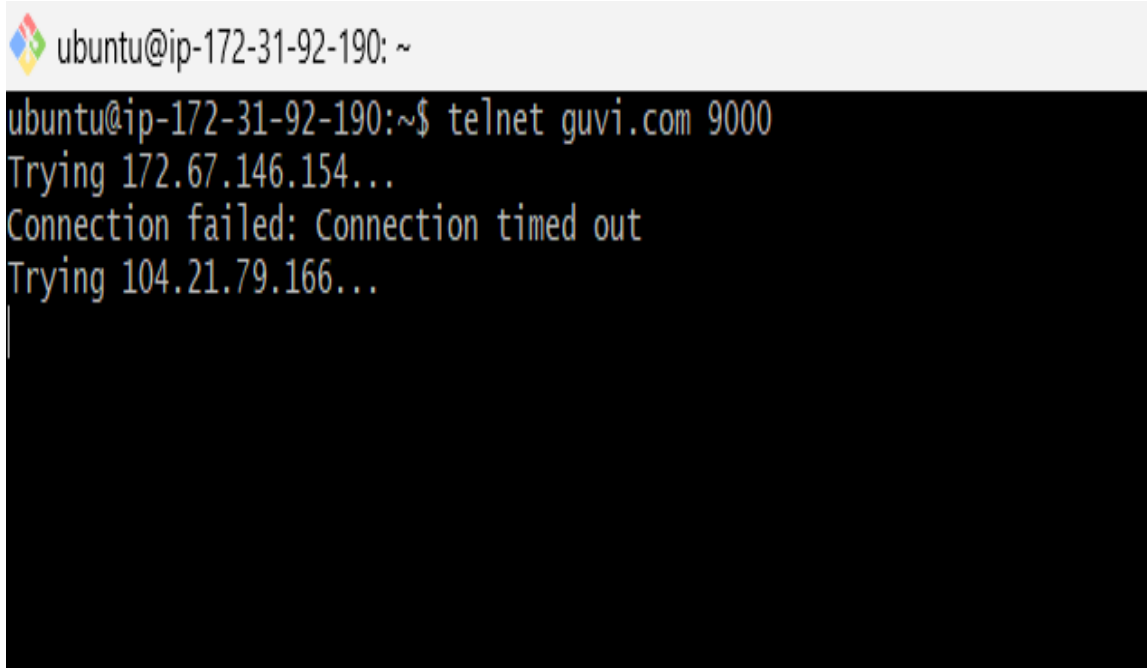
3. Test Connectivity Between Two Nodes: ping guvi.in

```
ubuntu@ip-172-31-92-190:~$ 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=1.15 ms
64 bytes from 104.26.4.88: icmp_seq=2 ttl=57 time=1.15 ms
64 bytes from 104.26.4.88: icmp_seq=3 ttl=57 time=0.898 ms
64 bytes from 104.26.4.88: icmp_seq=4 ttl=57 time=1.50 ms
64 bytes from 104.26.4.88: icmp_seq=5 ttl=57 time=1.65 ms
64 bytes from 104.26.4.88: icmp_seq=6 ttl=57 time=1.20 ms
64 bytes from 104.26.4.88: icmp_seq=7 ttl=57 time=0.930 ms
64 bytes from 104.26.4.88: icmp_seq=8 ttl=57 time=1.41 ms
64 bytes from 104.26.4.88: icmp_seq=9 ttl=57 time=1.36 ms
64 bytes from 104.26.4.88: icmp_seq=10 ttl=57 time=1.34 ms
64 bytes from 104.26.4.88: icmp_seq=11 ttl=57 time=1.19 ms
64 bytes from 104.26.4.88: icmp_seq=12 ttl=57 time=0.954 ms
64 bytes from 104.26.4.88: icmp_seq=13 ttl=57 time=1.31 ms
64 bytes from 104.26.4.88: icmp_seq=14 ttl=57 time=0.929 ms
64 bytes from 104.26.4.88: icmp_seq=15 ttl=57 time=1.17 ms
64 bytes from 104.26.4.88: icmp_seq=16 ttl=57 time=1.20 ms
64 bytes from 104.26.4.88: icmp_seq=17 ttl=57 time=1.19 ms
64 bytes from 104.26.4.88: icmp_seq=18 ttl=57 time=0.972 ms
64 bytes from 104.26.4.88: icmp_seq=19 ttl=57 time=1.33 ms
64 bytes from 104.26.4.88: icmp_seq=20 ttl=57 time=0.989 ms
64 bytes from 104.26.4.88: icmp_seq=21 ttl=57 time=1.17 ms
64 bytes from 104.26.4.88: icmp_seq=22 ttl=57 time=1.13 ms
64 bytes from 104.26.4.88: icmp_seq=23 ttl=57 time=1.55 ms
64 bytes from 104.26.4.88: icmp_seq=24 ttl=57 time=1.40 ms
64 bytes from 104.26.4.88: icmp_seq=25 ttl=57 time=1.12 ms
64 bytes from 104.26.4.88: icmp_seq=26 ttl=57 time=1.03 ms
64 bytes from 104.26.4.88: icmp_seq=27 ttl=57 time=1.57 ms
64 bytes from 104.26.4.88: icmp_seq=28 ttl=57 time=1.10 ms
64 bytes from 104.26.4.88: icmp_seq=29 ttl=57 time=1.09 ms
64 bytes from 104.26.4.88: icmp_seq=30 ttl=57 time=1.16 ms
64 bytes from 104.26.4.88: icmp_seq=31 ttl=57 time=1.20 ms
64 bytes from 104.26.4.88: icmp_seq=32 ttl=57 time=1.41 ms
64 bytes from 104.26.4.88: icmp_seq=33 ttl=57 time=1.27 ms
64 bytes from 104.26.4.88: icmp_seq=34 ttl=57 time=1.15 ms
64 bytes from 104.26.4.88: icmp_seq=35 ttl=57 time=1.06 ms
64 bytes from 104.26.4.88: icmp_seq=36 ttl=57 time=1.32 ms
64 bytes from 104.26.4.88: icmp_seq=37 ttl=57 time=1.55 ms
64 bytes from 104.26.4.88: icmp_seq=38 ttl=57 time=1.47 ms
64 bytes from 104.26.4.88: icmp_seq=39 ttl=57 time=0.895 ms
64 bytes from 104.26.4.88: icmp_seq=40 ttl=57 time=1.56 ms
64 bytes from 104.26.4.88: icmp_seq=41 ttl=57 time=1.28 ms
64 bytes from 104.26.4.88: icmp_seq=42 ttl=57 time=1.14 ms
64 bytes from 104.26.4.88: icmp_seq=43 ttl=57 time=1.35 ms
64 bytes from 104.26.4.88: icmp_seq=44 ttl=57 time=0.926 ms
64 bytes from 104.26.4.88: icmp_seq=45 ttl=57 time=1.26 ms
64 bytes from 104.26.4.88: icmp_seq=46 ttl=57 time=1.79 ms
64 bytes from 104.26.4.88: icmp_seq=47 ttl=57 time=1.51 ms
64 bytes from 104.26.4.88: icmp_seq=48 ttl=57 time=1.21 ms
64 bytes from 104.26.4.88: icmp_seq=49 ttl=57 time=1.18 ms
64 bytes from 104.26.4.88: icmp_seq=50 ttl=57 time=1.40 ms
64 bytes from 104.26.4.88: icmp_seq=51 ttl=57 time=1.11 ms
64 bytes from 104.26.4.88: icmp_seq=52 ttl=57 time=0.904 ms
64 bytes from 104.26.4.88: icmp_seq=53 ttl=57 time=1.07 ms
64 bytes from 104.26.4.88: icmp_seq=54 ttl=57 time=1.63 ms
64 bytes from 104.26.4.88: icmp_seq=55 ttl=57 time=0.915 ms
64 bytes from 104.26.4.88: icmp_seq=56 ttl=57 time=0.923 ms
```

Task2: 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 ?

Result:

- Tried connecting using **telnet guvi.com 9000**.
- The connection timed out, meaning the port is closed or blocked.
- Conclusion: **Port 9000 is NOT open for public access.**



```
ubuntu@ip-172-31-92-190: ~  
ubuntu@ip-172-31-92-190:~$ telnet guvi.com 9000  
Trying 172.67.146.154...  
Connection failed: Connection timed out  
Trying 104.21.79.166...  
|
```