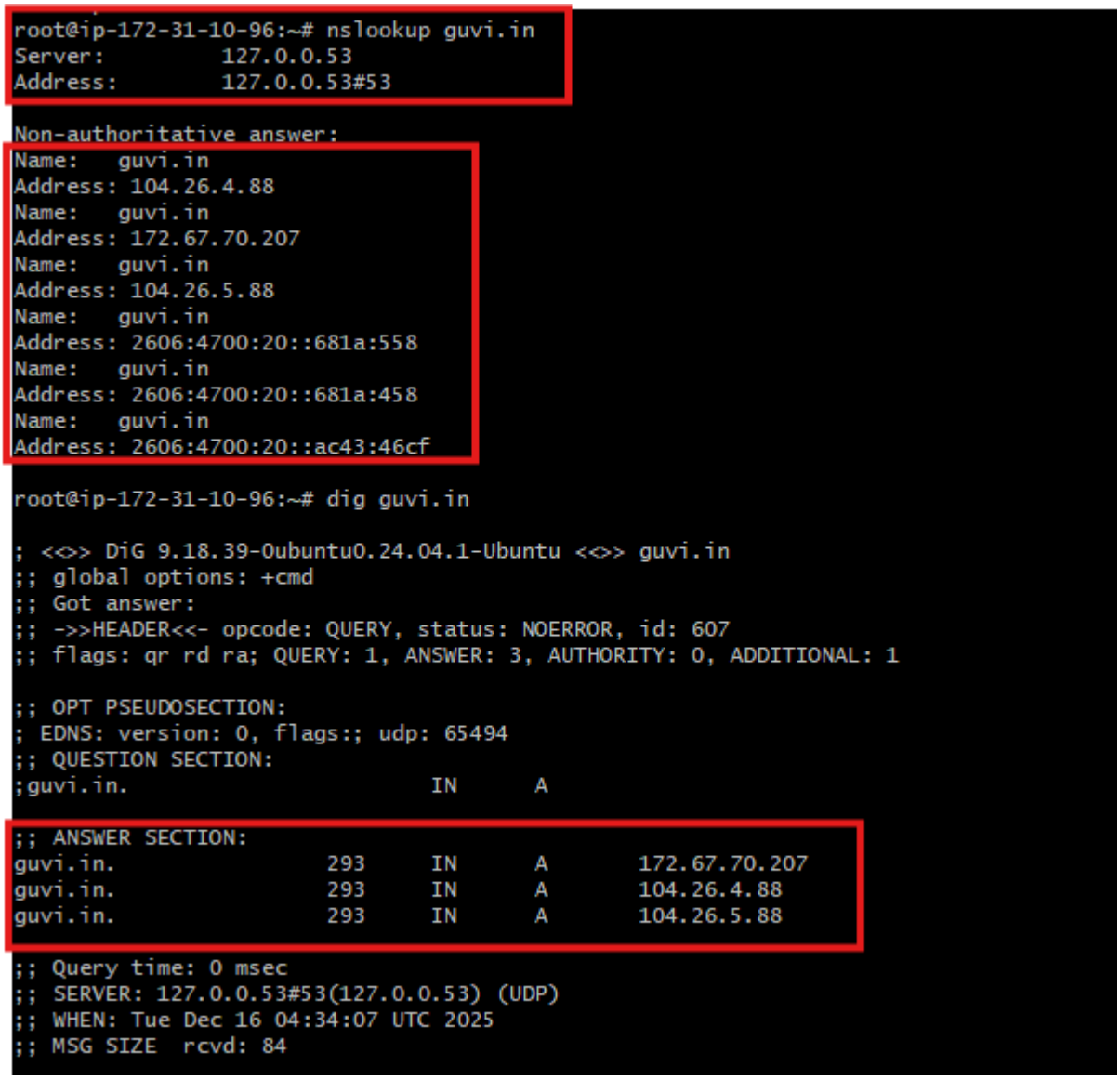
1. Get me the IP address of a particular domain (guvi.in). How do I find my CPU/memory usage of my server? Test the connectivity between 2 nodes?

   - Get Ip address of particular domain,

   # nploopup  guvi.in

   # dig guvi.in

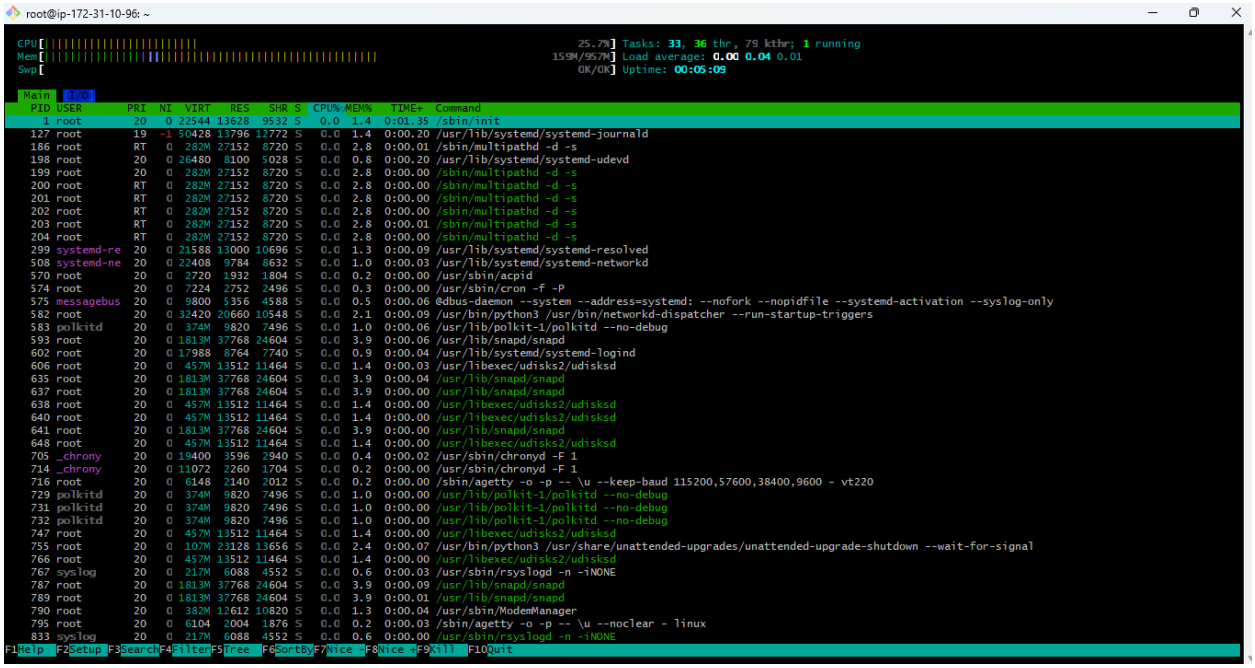



   - CPU/memory usage of my server

     #htop

     #top

```
root@ip-172-31-10-96:~#
root@ip-172-31-10-96:~# htop
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
```



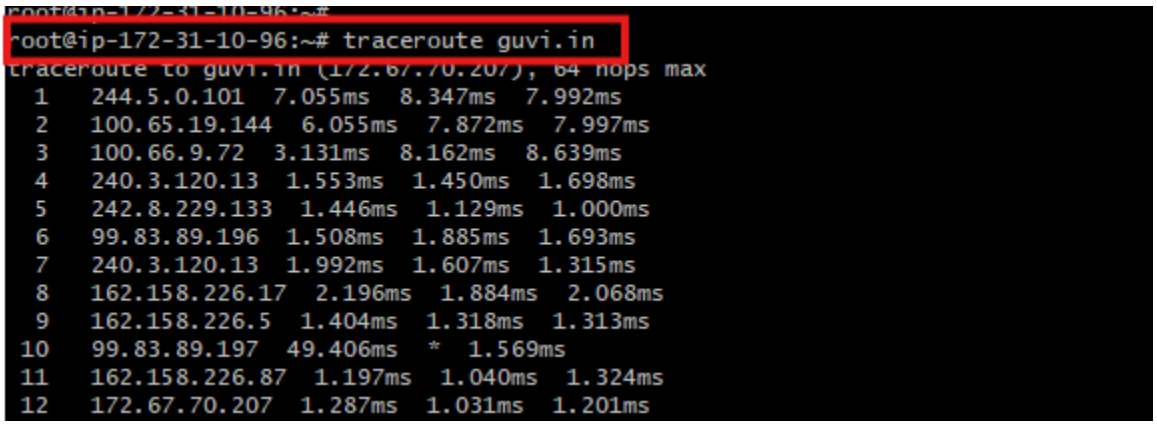

- Check connectivity between two nods

  #ping guvi.in

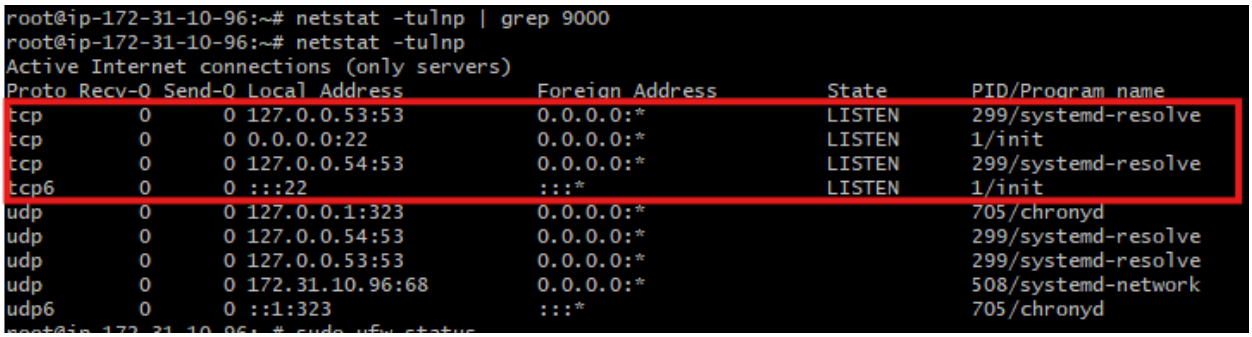
```
root@ip-172-31-10-96:~# ping guvi.in
PING guvi.in (104.26.5.88) 56(84) bytes of data.
64 bytes from 104.26.5.88: icmp_seq=1 ttl=57 time=1.82 ms
64 bytes from 104.26.5.88: icmp_seq=2 ttl=57 time=2.03 ms
64 bytes from 104.26.5.88: icmp_seq=3 ttl=57 time=1.37 ms
64 bytes from 104.26.5.88: icmp_seq=4 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

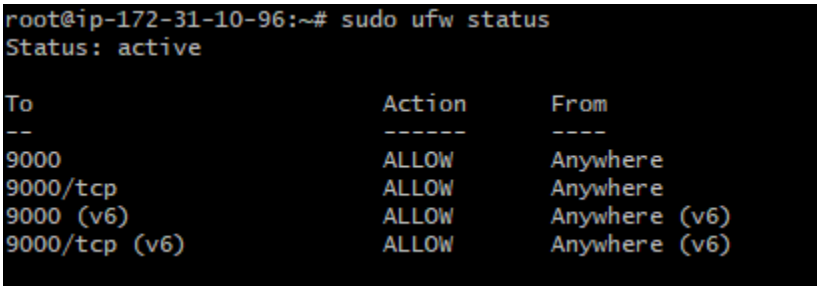
#traceroute guvi.in



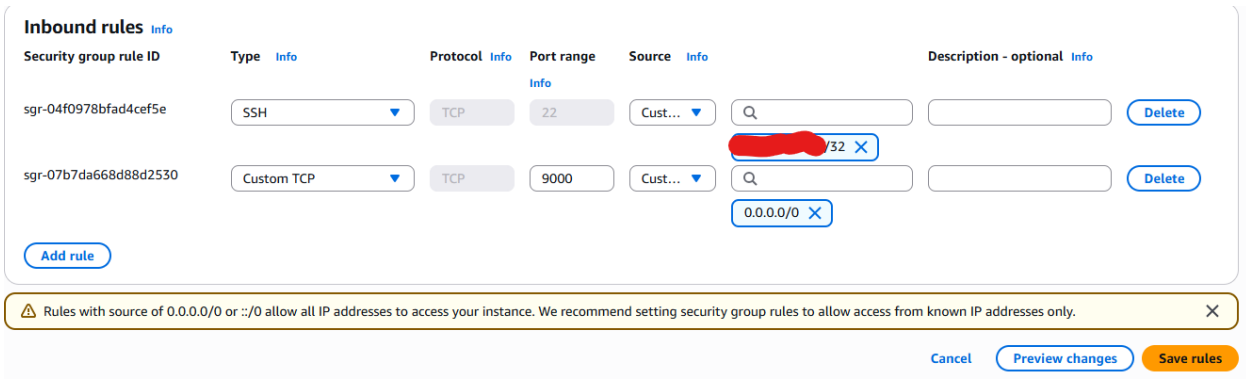

2. I have deployed an application in guvi.com:9000, and logs show my app is running, but I'm unable to view the page. Check whether my port is open or not ?
   - Netstat command used to identify listen port on your server
     # netstat -tulnp | grep 9000
     #netstat -tulnp




   - Allow firewall setting
     #sudo ufw enable 9000
     #sudo ufw active
     #sudo ufw status



- Check firewall setting if your using cloud aws check the security group enable port 9000.




- Access port via another machine/server

  # nc –zv guvi.com 9000