```
ubuntu@ip-172-31-39-49: ~
ubuntu@ip-172-31-39-49:~$ 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:458
Name:   guvi.in
Address: 2606:4700:20::681a:558
Name:   guvi.in
Address: 2606:4700:20::ac43:46cf

ubuntu@ip-172-31-39-49:~$ top
top - 06:47:31 up 4 min,  1 user,  load average: 0.07, 0.22, 0.11
Tasks: 117 total,    1 running, 116 sleeping,    0 stopped,    0 zombie
%Cpu(s):  0.0 us,  0.0 sy,  0.0 ni,100.0 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
MiB Mem :    914.1 total,    280.5 free,    372.3 used,    442.4 buff/cache
MiB Swap:      0.0 total,      0.0 free,      0.0 used.    541.9 avail Mem

    PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM     TIME+ COMMAND
      1 root      20   0   22584  13696   9600 S   0.0   1.5   0:01.98 systemd
      2 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kthreadd
      3 root      20   0       0      0      0 S   0.0   0.0   0:00.00 pool_workqueue_release
      4 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-rcu_g
      5 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-rcu_p
      6 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-slub_
      7 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-netns
      8 root      20   0       0      0      0 I   0.0   0.0   0:00.00 kworker/0:0-events
      9 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/0:0H-events_highpri
     10 root      20   0       0      0      0 I   0.0   0.0   0:00.05 kworker/0:1-events
     11 root      20   0       0      0      0 I   0.0   0.0   0:00.00 kworker/u4:0-loop0
     12 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-mm_pe
     13 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_rude_kthread
     14 root      20   0       0      0      0 I   0.0   0.0   0:00.00 rcu_tasks_trace_kthread
     15 root      20   0       0      0      0 S   0.0   0.0   0:00.04 ksoftirqd/0
     16 root      20   0       0      0      0 I   0.0   0.0   0:00.14 rcu_sched
     17 root      rt   0       0      0      0 S   0.0   0.0   0:00.00 migration/0
     18 root     -51   0       0      0      0 S   0.0   0.0   0:00.00 idle_inject/0
     19 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/0
     20 root      20   0       0      0      0 S   0.0   0.0   0:00.00 cpuhp/1
     21 root     -51   0       0      0      0 S   0.0   0.0   0:00.00 idle_inject/1
     22 root      rt   0       0      0      0 S   0.0   0.0   0:00.03 migration/1
     23 root      20   0       0      0      0 S   0.0   0.0   0:00.04 ksoftirqd/1
     24 root      20   0       0      0      0 I   0.0   0.0   0:00.03 kworker/1:0-cgroup_destroy
     25 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/1:0H-events_highpri
     26 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kdevtmpfs
     27 root       0 -20       0      0      0 I   0.0   0.0   0:00.00 kworker/R-inet_
     28 root      20   0       0      0      0 I   0.0   0.0   0:00.14 kworker/u4:1-events_power_efficient
     29 root      20   0       0      0      0 S   0.0   0.0   0:00.00 kauditd
     30 root      20   0       0      0      0 I   0.0   0.0   0:00.00 kworker/1:1-cgroup_destroy
     31 root      20   0       0      0      0 S   0.0   0.0   0:00.00 khungtaskd
     32 root      20   0       0      0      0 S   0.0   0.0   0:00.00 oom_reaper
```

Connectivity check between nodes (Local vs Server, Server vs Server)

```
seraj@Kesikan MINGW64 ~/Downloads
$ ping 13.51.48.181

Pinging 13.51.48.181 with 32 bytes of data:
Reply from 13.51.48.181: bytes=32 time=175ms TTL=53
Reply from 13.51.48.181: bytes=32 time=177ms TTL=53
Reply from 13.51.48.181: bytes=32 time=174ms TTL=53
Reply from 13.51.48.181: bytes=32 time=177ms TTL=53

Ping statistics for 13.51.48.181:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 174ms, Maximum = 177ms, Average = 175ms

seraj@Kesikan MINGW64 ~/Downloads
$ ssh -i mydemokeypair.pem ubuntu@51.21.168.238
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1024-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Wed Apr 30 07:11:51 UTC 2025

  System load:  0.0              Temperature:            -273.1 C
  Usage of /:   34.1% of 6.71GB  Processes:              120
  Memory usage: 32%              Users logged in:        1
  Swap usage:   0%               IPv4 address for ens5:  172.31.39.49


Expanded Security Maintenance for Applications is not enabled.

31 updates can be applied immediately.
1 of these updates is a standard security update.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


*** System restart required ***
Last login: Wed Apr 30 07:03:18 2025 from 103.208.231.231
ubuntu@ip-172-31-39-49:~$ ping 13.51.48.181
PING 13.51.48.181 (13.51.48.181) 56(84) bytes of data.
64 bytes from 13.51.48.181: icmp_seq=1 ttl=63 time=1.19 ms
64 bytes from 13.51.48.181: icmp_seq=2 ttl=63 time=1.62 ms
64 bytes from 13.51.48.181: icmp_seq=3 ttl=63 time=1.16 ms
64 bytes from 13.51.48.181: icmp_seq=4 ttl=63 time=1.15 ms
64 bytes from 13.51.48.181: icmp_seq=5 ttl=63 time=1.18 ms
64 bytes from 13.51.48.181: icmp_seq=6 ttl=63 time=1.17 ms
64 bytes from 13.51.48.181: icmp_seq=7 ttl=63 time=1.18 ms
64 bytes from 13.51.48.181: icmp_seq=8 ttl=63 time=1.17 ms
64 bytes from 13.51.48.181: icmp_seq=9 ttl=63 time=1.16 ms
^C
--- 13.51.48.181 ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8009ms
```

Verifying Port is open or not

```
seraj@Kesikan MINGW64 ~/Downloads
$ curl -v http://guvi.com:9000
* Host guvi.com:9000 was resolved.
* IPv6: (none)
* IPv4: 172.67.146.154, 104.21.79.166
*   Trying 172.67.146.154:9000...
* connect to 172.67.146.154 port 9000 from 0.0.0.0 port 60739 failed: Timed out
*   Trying 104.21.79.166:9000...
* connect to 104.21.79.166 port 9000 from 0.0.0.0 port 60741 failed: Timed out
* Failed to connect to guvi.com port 9000 after 42190 ms: Could not connect to server
* closing connection #0
curl: (28) Failed to connect to guvi.com port 9000 after 42190 ms: Could not connect to server
```

```
[1]+  Stopped                 ping guvi.com 9000
ubuntu@ip-172-31-24-211:~$ curl -v http://guvi.com:9000
* Host guvi.com:9000 was resolved.
* IPv6: 2606:4700:3037::ac43:929a, 2606:4700:3031::6815:4fa6
* IPv4: 104.21.79.166, 172.67.146.154
*   Trying 104.21.79.166:9000...
*   Trying [2606:4700:3037::ac43:929a]:9000...
* Immediate connect fail for 2606:4700:3037::ac43:929a: Network is unreachable
*   Trying [2606:4700:3031::6815:4fa6]:9000...
* Immediate connect fail for 2606:4700:3031::6815:4fa6: Network is unreachable
^C
ubuntu@ip-172-31-24-211:~$ telnet
telnet> guvi.com 9000
?Invalid command
telnet> exit
?Invalid command
telnet> ^C
ubuntu@ip-172-31-24-211:~$ telnet guvi.com 9000
Trying 172.67.146.154...

^C
ubuntu@ip-172-31-24-211:~$ |
```

Note

- Ensure your firewall isn't blocking external access.
- Check whether the application is bound to the correct IP.
- Verify network security rules that allow access to 9000.