

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?

```
The system cannot find the path specified.

C:\Users\Palla> cd downloads

C:\Users\Palla\Downloads> ssh -i "Pallavi1.pem" ec2-user@ec2-3-111-47-
The authenticity of host 'ec2-3-111-47-184.ap-south-1.compute.amazonaws
ED25519 key fingerprint is SHA256:aPIv40dABqMxZxSWZx5pv14jWl+En050yJAR
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Warning: Permanently added 'ec2-3-111-47-184.ap-south-1.compute.amazon
#_
~\_ ##### Amazon Linux 2023
~~ \_ #####\
~~ \_###|
~~ \#/ --- https://aws.amazon.com/linux/amazon-linux-2023
~~ V~' '->
~~~
~~~. _./
~~~ _./ _./
~~~ _/m/'

[ec2-user@ip-172-31-0-40 ~]$ yum install nettool
Error: This command has to be run with superuser privileges (under the
[ec2-user@ip-172-31-0-40 ~]$ sudo yum install nettool
Last metadata expiration check: 0:14:40 ago on Wed Dec 18 08:41:54 202
No match for argument: nettool
Error: Unable to find a match: nettool
[ec2-user@ip-172-31-0-40 ~]$ ns lookup guvi.in
-bash: ns: command not found
[ec2-user@ip-172-31-0-40 ~]$ nslookup guvi.in
Server:          172.31.0.2
Address:         172.31.0.2#53

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

[ec2-user@ip-172-31-0-40 ~]$
```

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 ?

```
Installed size: 25 M
Is this ok [y/N]: Y
Downloading Packages:
(1/3): nmap-ncat-7.93-4.amzn2023.x86_64.rpm                3.0 MB/s | 225 kB    00:00
(2/3): libssh2-1.10.0-1.amzn2023.0.3.x86_64.rpm           884 kB/s | 120 kB    00:00
(3/3): nmap-7.93-4.amzn2023.x86_64.rpm                   17 MB/s | 5.5 MB     00:00
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Total                                                     16 MB/s | 5.9 MB     00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing                : nmap-ncat-7.93-4.amzn2023.x86_64                1/1
  Installing               : nmap-ncat-7.93-4.amzn2023.x86_64                1/3
  Running scriptlet        : nmap-ncat-7.93-4.amzn2023.x86_64                1/3
  Installing               : libssh2-1.10.0-1.amzn2023.0.3.x86_64            2/3
  Installing               : nmap-7.93-4.amzn2023.x86_64                    3/3
  Running scriptlet        : nmap-7.93-4.amzn2023.x86_64                    3/3
  Verifying                : libssh2-1.10.0-1.amzn2023.0.3.x86_64            1/3
  Verifying                : nmap-7.93-4.amzn2023.x86_64                    2/3
  Verifying                : nmap-ncat-7.93-4.amzn2023.x86_64                3/3

Installed:
  libssh2-1.10.0-1.amzn2023.0.3.x86_64                nmap-7.93-4.amzn2023.x86_64                nmap-ncat-7.93-4.amzn2023.x86_64

Complete!
[ec2-user@ip-172-31-0-40 ~]$ sudo yum install nmap
Last metadata expiration check: 0:38:29 ago on Wed Dec 18 08:41:54 2024.
Package nmap-7.93-4.amzn2023.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-0-40 ~]$ nmap guvi.in
Starting Nmap 7.93 ( https://nmap.org ) at 2024-12-18 09:20 UTC
Nmap scan report for guvi.in (104.26.5.88)
Host is up (0.0017s latency).
Other addresses for guvi.in (not scanned): 172.67.70.207 104.26.4.88 2606:4700:20::681a:558 2606:4700:20::681a:458 2606:4700:20::ac43:46cf
Not shown: 996 filtered tcp ports (no-response)
PORT      STATE SERVICE
80/tcp    open  http
443/tcp   open  https
8080/tcp   open  http-proxy
8443/tcp   open  https-alt

Nmap done: 1 IP address (1 host up) scanned in 3.94 seconds
[ec2-user@ip-172-31-0-40 ~]$
```