

Get me IP address of particular domain (guvi.in)

```
root@ip-172-31-36-107:/home/ubuntu# ping guvi.in
PING guvi.in (104.26.4.88) 56(84) bytes of data.
64 bytes from 104.26.4.88 (104.26.4.88): icmp_seq=1 ttl=51 time=1.01 ms
64 bytes from 104.26.4.88 (104.26.4.88): icmp_seq=2 ttl=51 time=0.999 ms
64 bytes from 104.26.4.88 (104.26.4.88): icmp_seq=3 ttl=51 time=0.946 ms
^C
--- guvi.in ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 0.946/0.985/1.012/0.028 ms
root@ip-172-31-36-107:/home/ubuntu#
```

How do I find my CPU/memory usage of my server?

```
root@ip-172-31-36-107:/home/ubuntu# top
top - 14:57:11 up 7:38, 2 users, load average: 0.00, 0.00, 0.00
Tasks: 98 total, 1 running, 97 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 : 949.7 total, 141.2 free, 201.9 used, 606.6 buff/cache
MiB Swap: 0.0 total, 0.0 free, 0.0 used. 564.7 avail Mem
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
1	root	20	0	167312	12800	8320	S	0.0	1.3	0:05.63	systemd
2	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kthreadd
3	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_gp
4	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	rcu_par_gp
5	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	slub_flushwq
6	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	netns
8	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kworker/0:0H-events_highpri
10	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	mm_percpu_wq
11	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_rude_kthread
12	root	20	0	0	0	0	I	0.0	0.0	0:00.00	rcu_tasks_trace_kthread
13	root	20	0	0	0	0	S	0.0	0.0	0:00.30	ksoftirqd/0
14	root	20	0	0	0	0	I	0.0	0.0	0:00.63	rcu_sched
15	root	rt	0	0	0	0	S	0.0	0.0	0:00.17	migration/0
16	root	-51	0	0	0	0	S	0.0	0.0	0:00.00	idle_inject/0
18	root	20	0	0	0	0	S	0.0	0.0	0:00.00	cpuhp/0
19	root	20	0	0	0	0	S	0.0	0.0	0:00.00	kdevtmpfs
20	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	inet_frag_wq
21	root	20	0	0	0	0	S	0.0	0.0	0:00.01	kauditd
22	root	20	0	0	0	0	S	0.0	0.0	0:00.00	khungtaskd
24	root	20	0	0	0	0	S	0.0	0.0	0:00.00	oom_reaper
25	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	writeback
27	root	20	0	0	0	0	S	0.0	0.0	0:00.94	kcompactd0
28	root	25	5	0	0	0	S	0.0	0.0	0:00.00	ksmd
29	root	39	19	0	0	0	S	0.0	0.0	0:00.07	khugepaged
30	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kintegrityd
31	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	kblockd
32	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	blkcg_punt_bio
33	root	20	0	0	0	0	S	0.0	0.0	0:00.00	xen-balloon
34	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	tpm_dev_wq
35	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	ata_sff
36	root	0	-20	0	0	0	I	0.0	0.0	0:00.00	md

```
root@ip-172-31-36-107:/home/ubuntu#
```

```

root@ip-172-31-36-107:/home/ubuntu# free -m
              total        used        free      shared  buff/cache   available
Mem:           949          201          141           0           606          564
Swap:            0            0            0
root@ip-172-31-36-107:/home/ubuntu#

```

Test the connectivity between 2 nodes?

```

root@ip-172-31-36-107:/home/ubuntu# ping google.com
PING google.com (142.250.66.14) 56(84) bytes of data.
64 bytes from bom07s35-in-f14.1e100.net (142.250.66.14): icmp_seq=1 ttl=110 time=2.16 ms
64 bytes from bom07s35-in-f14.1e100.net (142.250.66.14): icmp_seq=2 ttl=110 time=1.59 ms
^C
--- google.com ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1002ms
rtt min/avg/max/mdev = 1.585/1.870/2.156/0.285 ms
root@ip-172-31-36-107:/home/ubuntu# ping instagram.com
PING instagram.com (163.70.144.174) 56(84) bytes of data.
64 bytes from instagram-p42-shv-02-bom2.fbcdn.net (163.70.144.174): icmp_seq=1 ttl=50 time=0.861 ms
64 bytes from instagram-p42-shv-02-bom2.fbcdn.net (163.70.144.174): icmp_seq=2 ttl=50 time=0.871 ms
64 bytes from instagram-p42-shv-02-bom2.fbcdn.net (163.70.144.174): icmp_seq=3 ttl=50 time=0.859 ms
^C
--- instagram.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 0.859/0.863/0.871/0.005 ms
root@ip-172-31-36-107:/home/ubuntu#

```

I have deployed an application in guvi.com:9000, and logs shows my app is running, but I'm unable to view the page. Check whether my port is open or not ?

```
root@ip-172-31-36-107:/home/ubuntu# netstat -an #guvi.com:9000
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address          State
tcp        0      0 0.0.0.0:22              0.0.0.0:*                LISTEN
tcp        0      0 127.0.0.53:53           0.0.0.0:*                LISTEN
tcp        0    332 172.31.36.107:22        122.178.141.22:53324     ESTABLISHED
tcp6       0      0 :::22                  :::*                      LISTEN
udp        0      0 127.0.0.53:53           0.0.0.0:*                LISTEN
udp        0      0 172.31.36.107:68        0.0.0.0:*
udp        0      0 127.0.0.1:323           0.0.0.0:*
udp6       0      0 :::1:323               :::*
raw6       0      0 :::58                  :::*                      7

Active UNIX domain sockets (servers and established)
Proto RefCnt Flags               Type               State              I-Node   Path
unix   3      [ ]                 DGRAM             CONNECTED          39001
unix   3      [ ]                 STREAM            CONNECTED          17472
unix   2      [ ]                 DGRAM             CONNECTED          38886
unix   3      [ ]                 DGRAM             CONNECTED          46493
unix   2      [ ]                 DGRAM             CONNECTED          46492   /run/user/1000/systemd/notify
unix   2      [ ACC ]             STREAM            LISTENING          46495   /run/user/1000/systemd/private
unix   2      [ ACC ]             STREAM            LISTENING          46502   /run/user/1000/bus
unix   3      [ ]                 STREAM            CONNECTED          17735
```

```
root@ip-172-31-41-62:/home/ubuntu# telnet guvi.com 9000
Trying 172.67.146.154...
^C
root@ip-172-31-41-62:/home/ubuntu# ping guvi.com
PING guvi.com (172.67.146.154) 56(84) bytes of data.
64 bytes from 172.67.146.154 (172.67.146.154): icmp_seq=1 ttl=51 time=0.931 ms
64 bytes from 172.67.146.154 (172.67.146.154): icmp_seq=2 ttl=51 time=0.893 ms
64 bytes from 172.67.146.154 (172.67.146.154): icmp_seq=3 ttl=51 time=0.952 ms
^C
--- guvi.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2003ms
rtt min/avg/max/mdev = 0.893/0.925/0.952/0.024 ms
root@ip-172-31-41-62:/home/ubuntu#
```