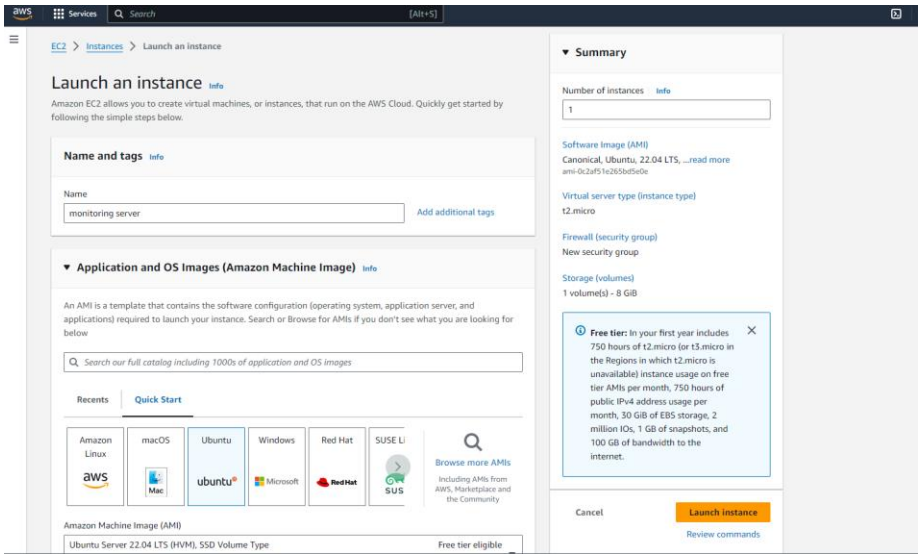
Task – 21

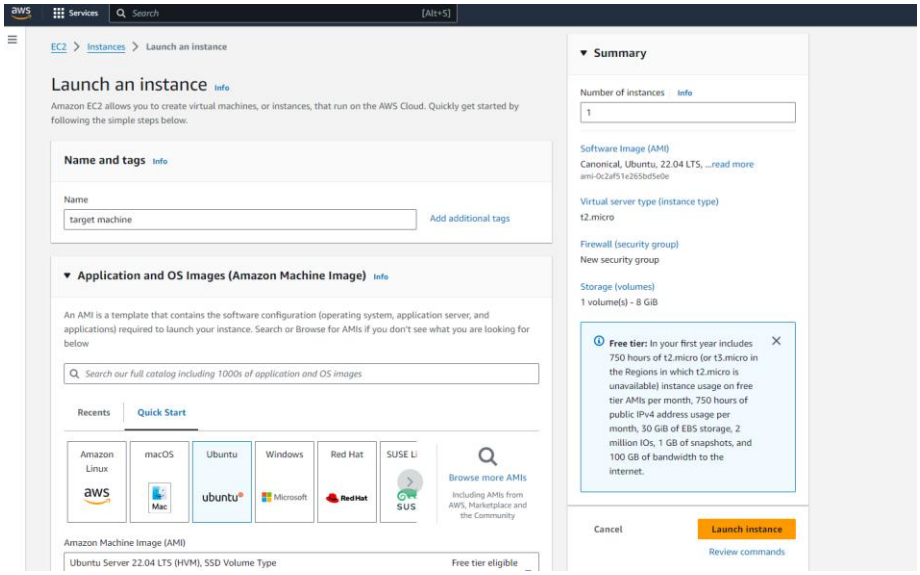
Install Prometheus and Grafana on a Linux EC2 machine, connect Prometheus to Grafana, and create a dashboard to view metrics.

Creating 2 ec2 instances:

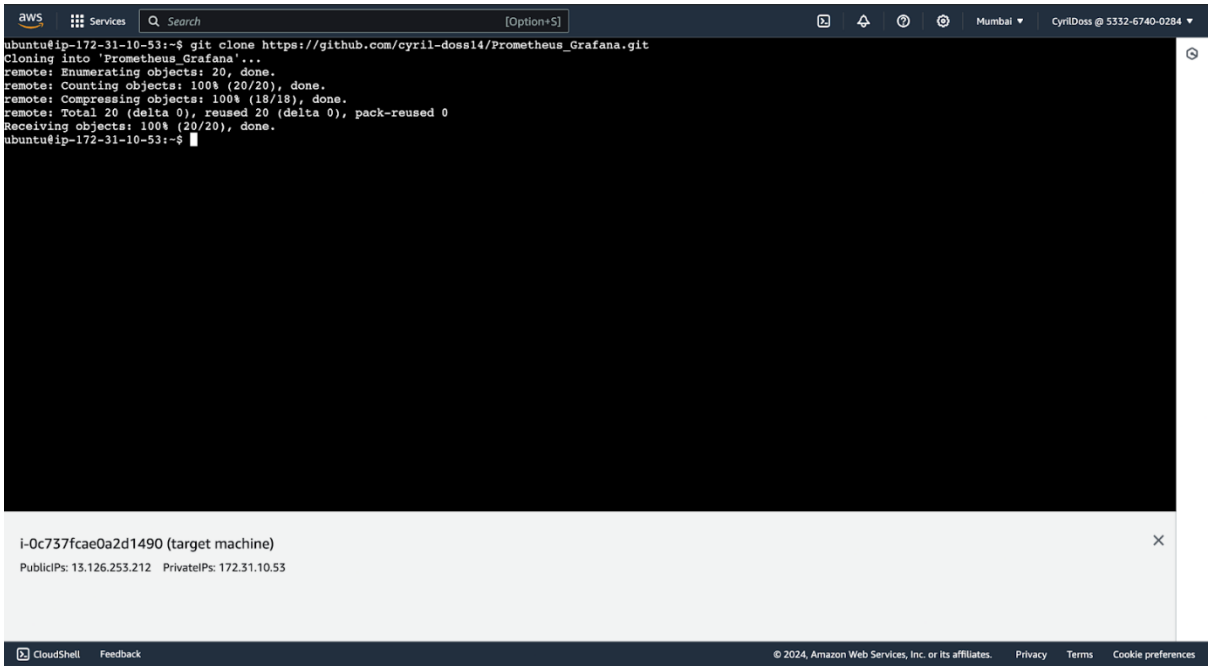
Instance 1:

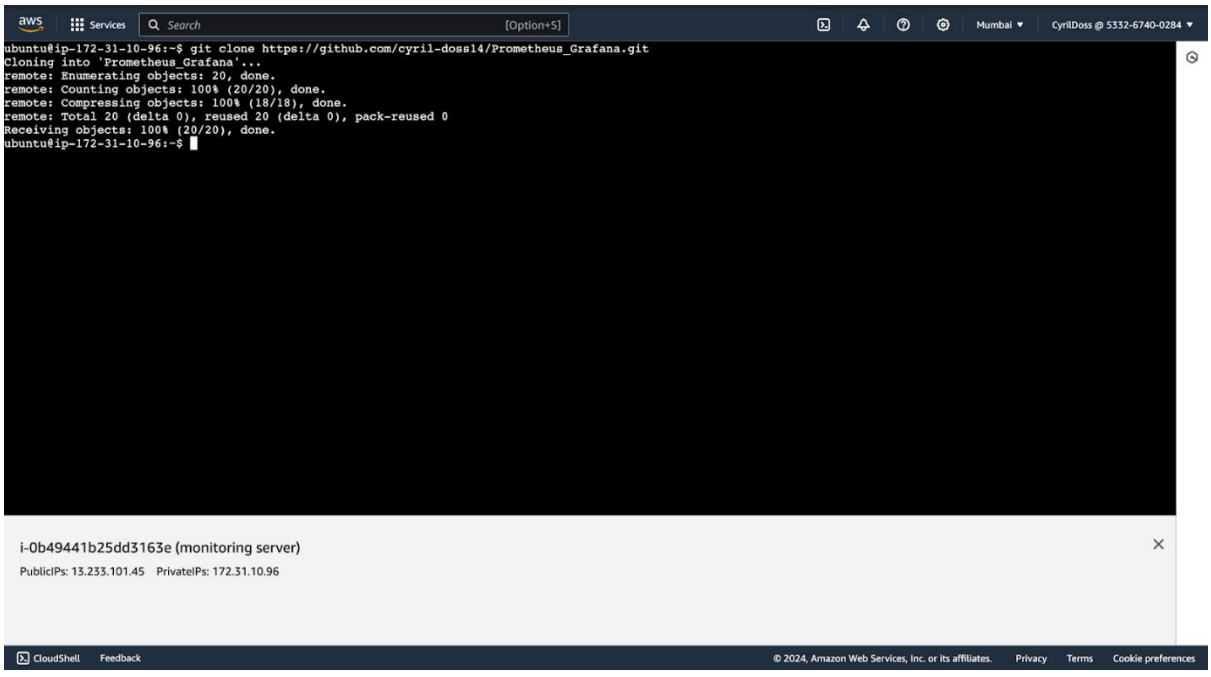


Instance 2:

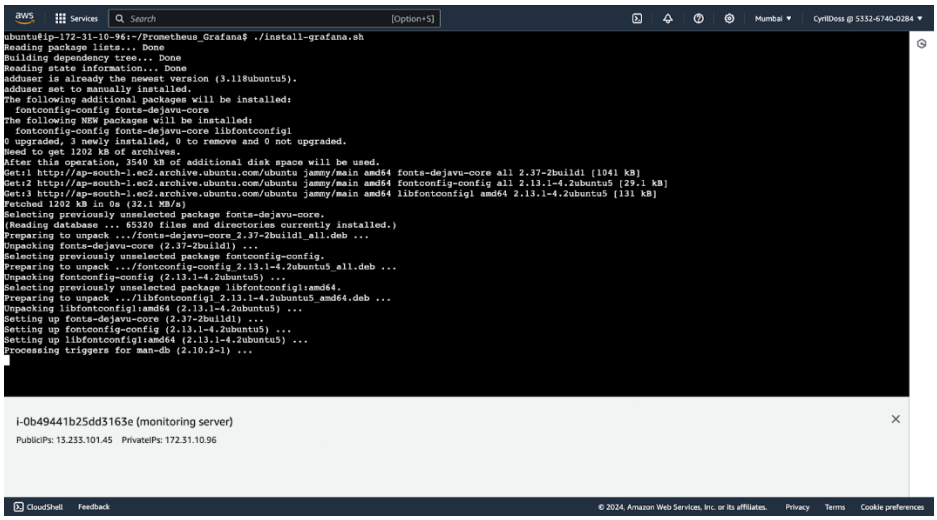


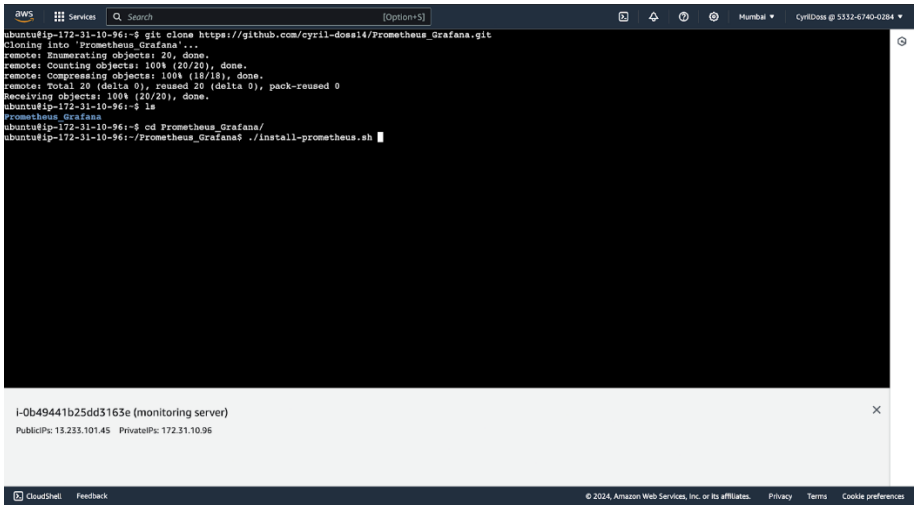
Cloning Git Repository to both machines:

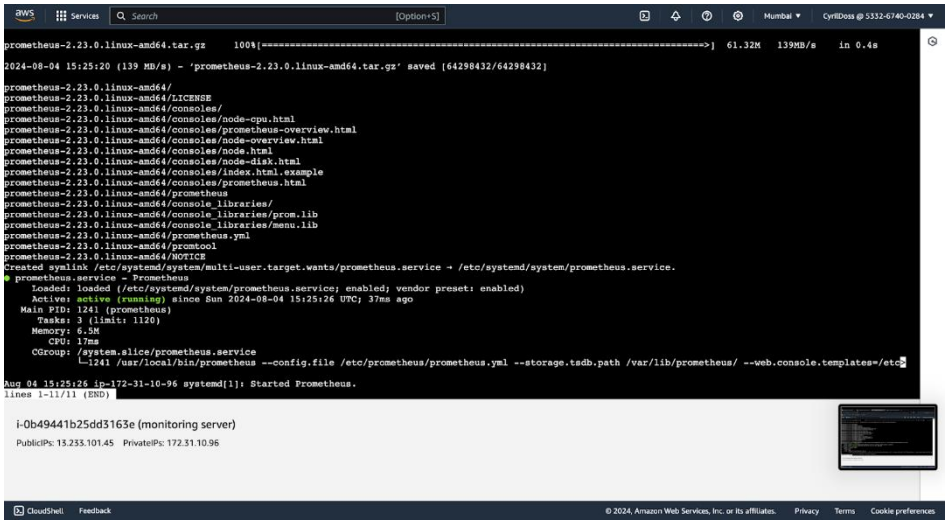


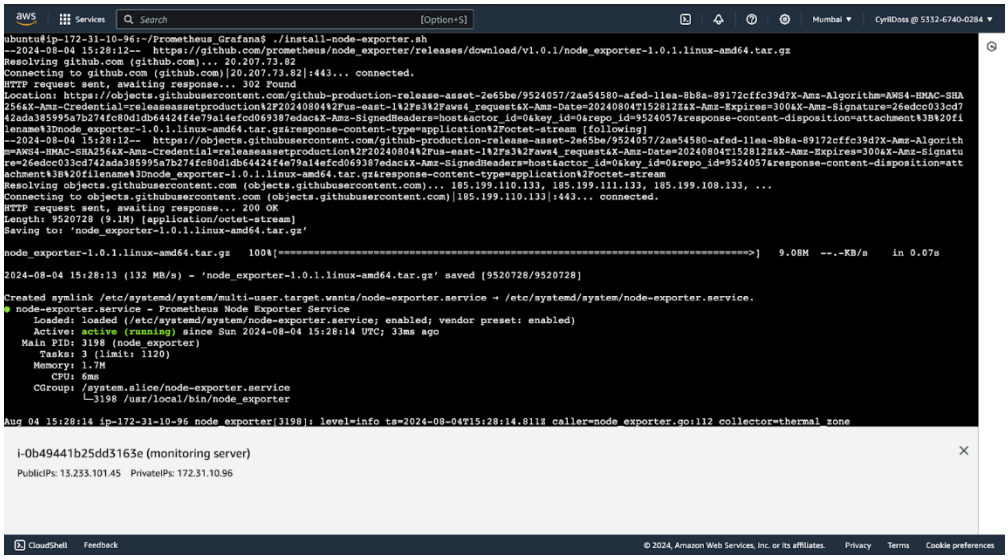


Installing Grafana, Prometheus, Node exporter in monitoring machine:

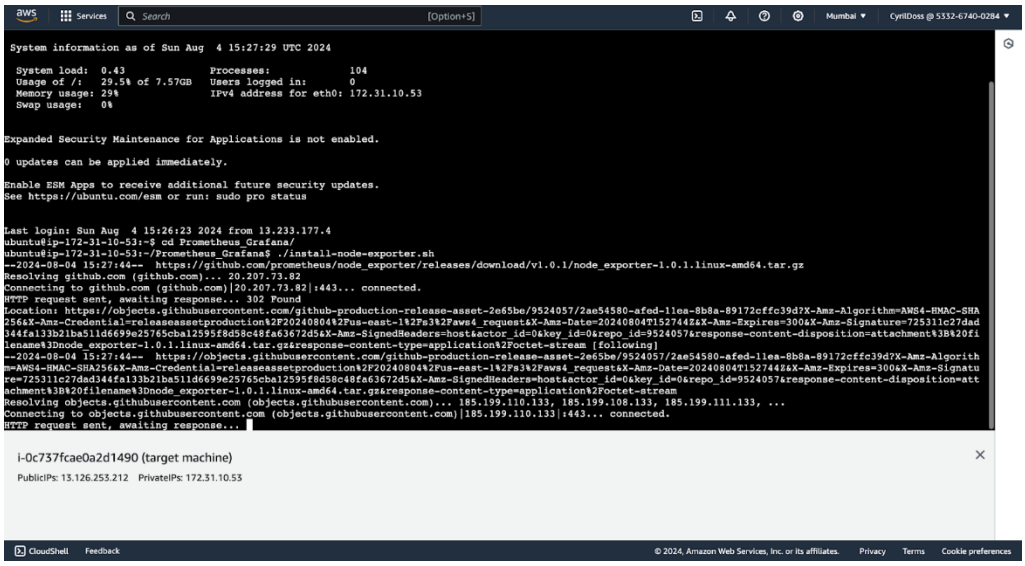




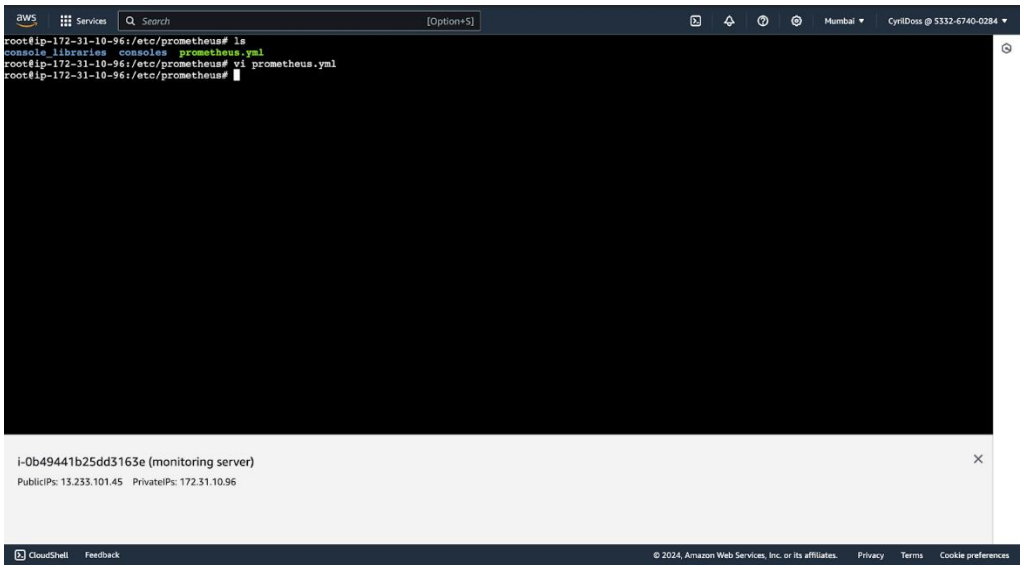


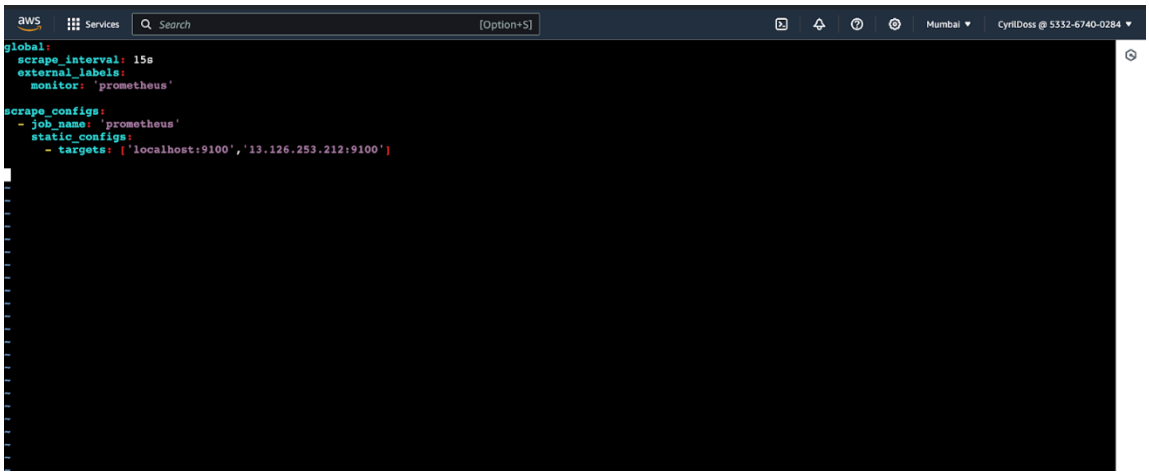


Installing node exporter in target machine:

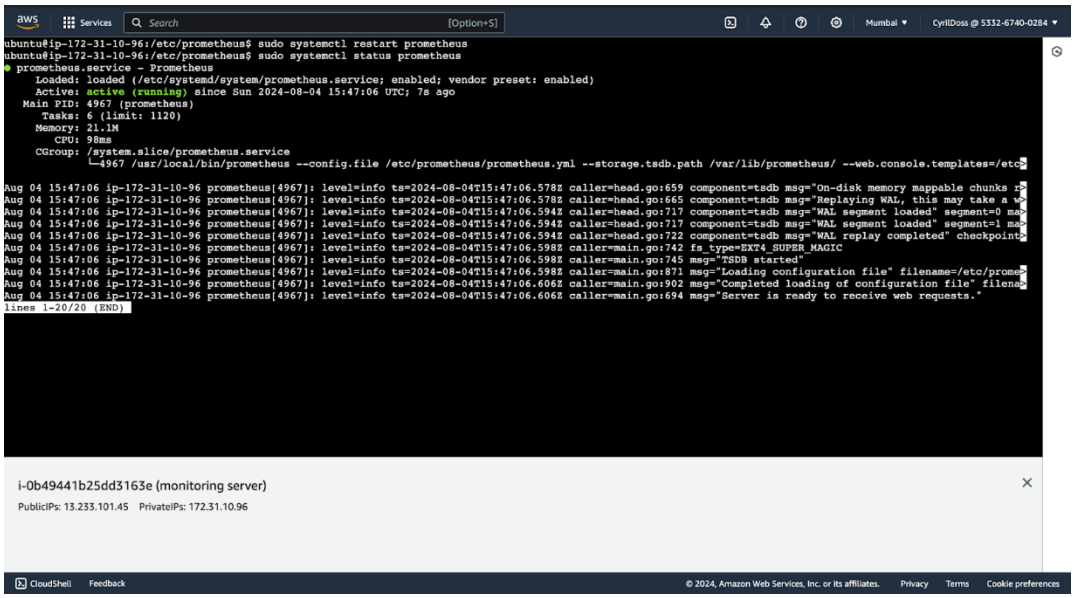


Adding target machine ip address to prometheus job:

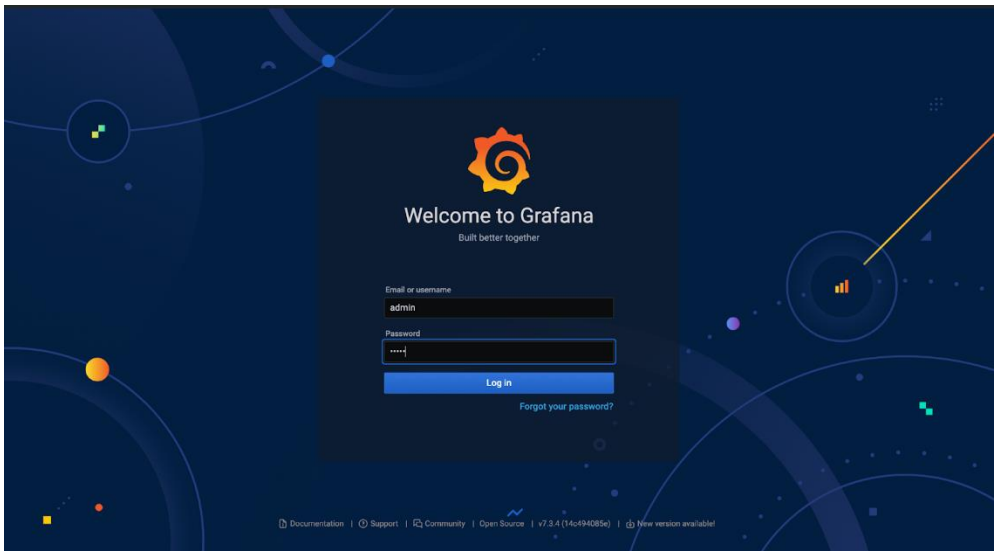


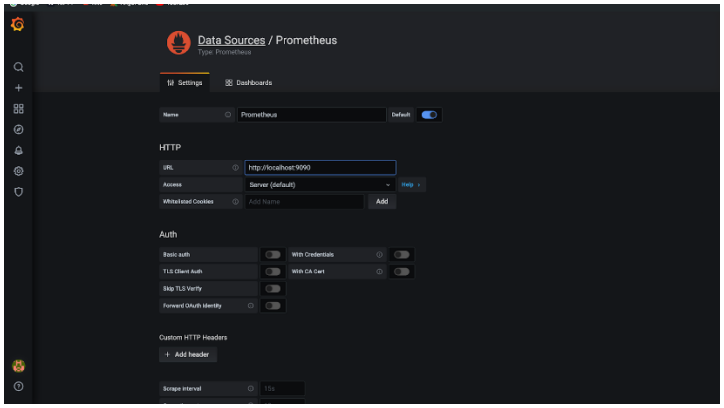


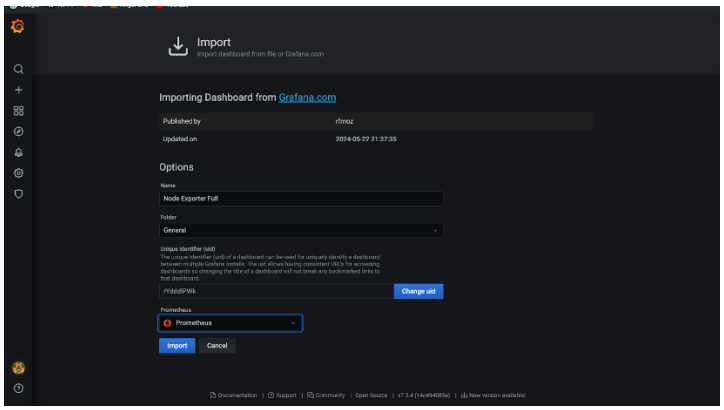
Restarting Prometheus:



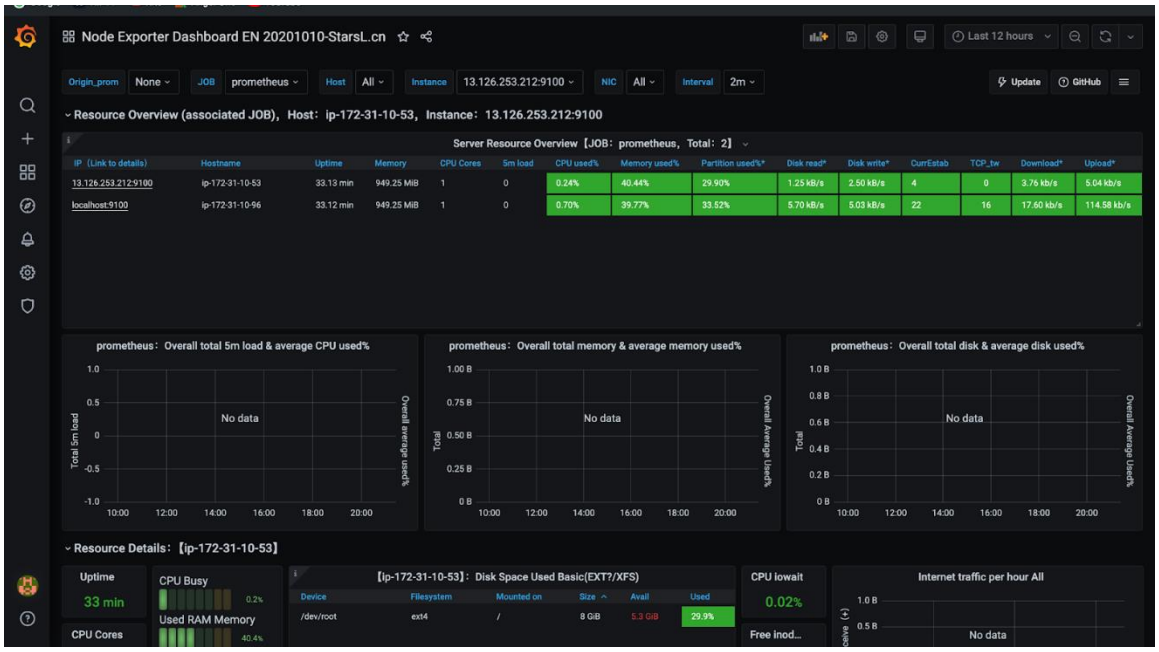
Configuring Grafana Data source and loading the dashboard:

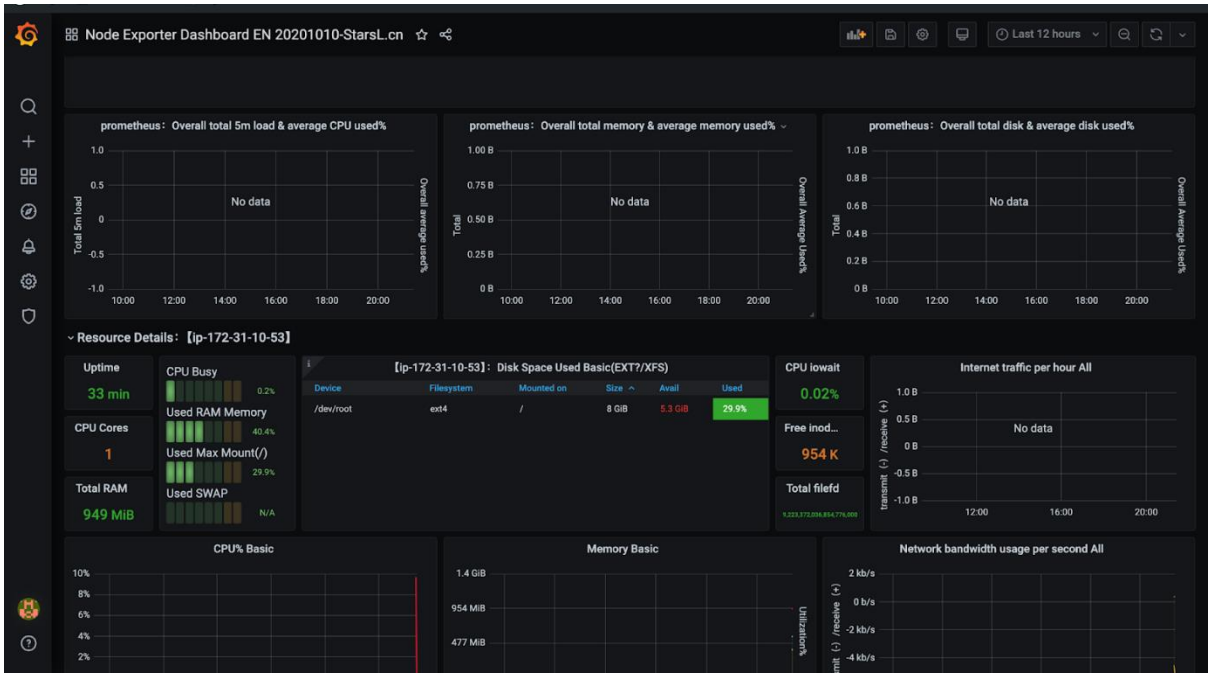






Output Dashboard:




Node Exporter Dashboard EN 20201010-StarsL.cn
Last 12 hours
prometheus: Overall total 5m load & average CPU used%
No data
Total 5m load
Overall average used%
prometheus: Overall total memory & average memory used%
No data
Total
Overall Average Used%
prometheus: Overall total disk & average disk used%
No data
Total
Overall Average Used%
Resource Details: [ip-172-31-10-53]
Uptime
33 min
CPU Cores
1
Total RAM
949 MiB
CPU Busy
0.2%
Used RAM Memory
40.4%
Used Max Mount(/)
29.9%
Used SWAP
N/A
[ip-172-31-10-53]: Disk Space Used Basic(EXT?/XFS)
Device
Filesystem
Mounted on
Size
Avail
Used
/dev/root
ext4
/
8 GiB
5.3 GiB
29.9%
CPU iowait
0.02%
Free inod...
954 K
Total filefd
Internet traffic per hour All
No data
transmit (-) /receive (+)
CPU% Basic
Memory Basic
Utilization%
Network bandwidth usage per second All
transmit (-) /receive (+)