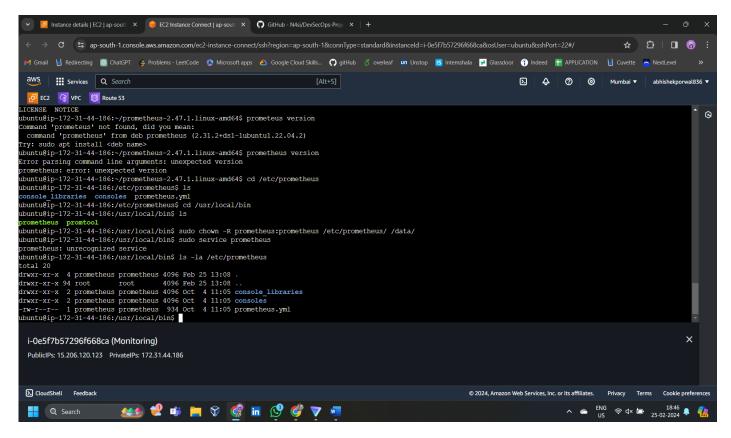
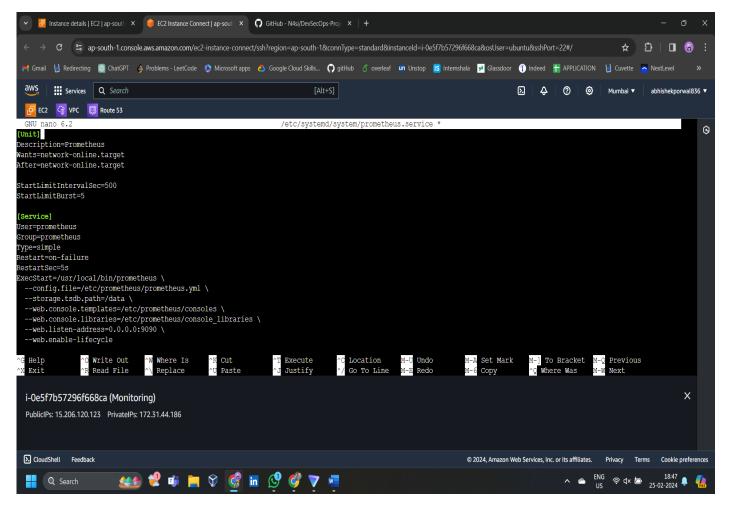
# Netflix Clone - DevSecOps Project

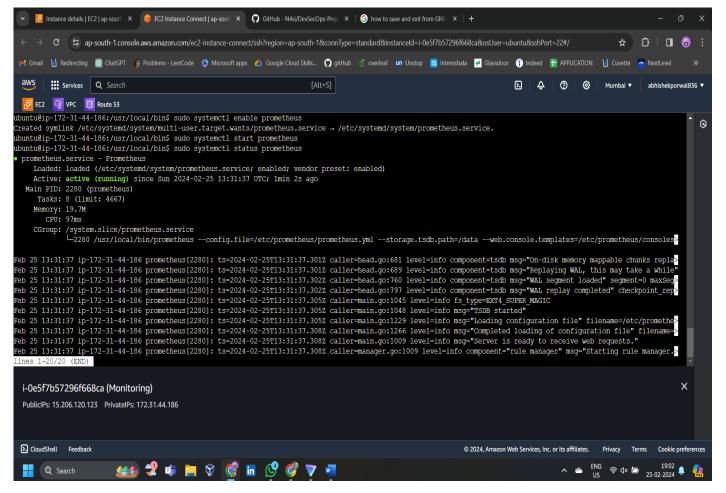
# Phase 4: Monitoring using Prometheus and Grafana

### I.Install Prometheus and Grafana:

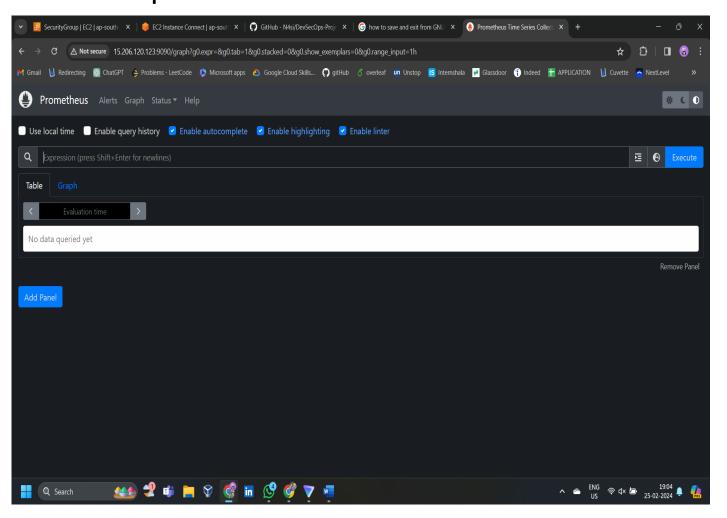


## Create a system unit configuration file for Prometheus:





## Prometheus on port 9090:



## Node exporter installation: 🔻 👩 Instance details | EC2 | ap-souti - 🗴 🌔 EC2 Instance Connect | ap-souti - 🗴 🕠 GitHub - N4si/DevSecOps-Proj: - 🗴 | 😛 Prometheus Time Series Collect - 🗴 | 🕂 C 25 ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceld=i-0c2924d9339103203&osUser=ubuntu&sshPort=22#/ ☆ ☆ 🚧 Gmail 划 Redirecting 🏽 ChatGPT 👙 Problems - LeetCode 🕻 Microsoft apps 🔼 Google Cloud Skills... 📢 gitHub 👸 overleaf 👊 Unstop 🕦 Internshala 🛺 Glassdoor 🐧 indeed 🔭 APPLICATION 划 Cuvette 🔼 NextLevel aws Services Q Search D 4 0 0 EC2 🕝 VPC 🐻 Route 53 ountu@ip-172-31-35-166:~/prometheus-2.47.1.linux-amd64\$ sudo systemctl enable node\_exporter ado systemctl start node\_exporter reated symlink /etc/systemd/system/multi-user.target.wants/node\_exporter.service -/etc/systemd/system/node\_exporter.service.buntu@ip-172-31-35-166:~/prometheus-2.47.1.linux-amd64\$ sudo systemctl status node\_exporter node\_exporter.service - Node Exporter Loaded: loaded (/etc/systemd/system/node\_exporter.service; enabled; vendor preset: enabled) Active: active (running) since Sun 2024-02-25 14:48:13 UTC; 11s ago Main PID: 1854 (node\_exporter) Tasks: 4 (limit: 4667) Memory: 2.5M CPU: 8ms CGroup: /system.slice/node\_exporter.service -1854 /usr/local/bin/node\_exporter --collector.logind 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.575z caller=node\_exporter.go:117 level=info collector=thermal\_zone 25 14:48:13 ip-172-31-35-166 node exporter[1854]: ts=2024-02-25T14:48:13.575Z caller=node exporter.go:117 level=info collector=time 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.575Z caller=node\_exporter.go:117 level=info collector=timex 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.575Z caller=node\_exporter.go:117 level=info collector=udp\_queues Feb 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.575Z caller=node\_exporter.go:117 level=info collector=uname Feb 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.576Z caller=node\_exporter.go:117 level=info collector=uname Feb 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.576Z caller=node\_exporter.go:117 level=info collector=vmstat Feb 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.576Z caller=node\_exporter.go:117 level=info collector=xfs Feb 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.576Z caller=node\_exporter.go:117 level=info collector=xfs Feb 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.576Z caller=tls\_config.go:277 level=info msg="Listening on" address=[::]:9100 Feb 25 14:48:13 ip-172-31-35-166 node\_exporter[1854]: ts=2024-02-25T14:48:13.576Z caller=tls\_config.go:277 level=info msg="TLS is disabled." http2=false address=[::]> i-0c2924d9339103203 (monitorinfsecond) × PublicIPs: 13.126.200.18 PrivateIPs: 172.31.35.166 CloudShell Feedback Feedback CloudShell Feedback CloudShell Feedback Feedback CloudShell Feedback CloudShell Feedback Feedba © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 丝 🖞 🐗 📙 😯 😭 in 🔥 🦁 🔻 🥷 Q Search ^ 🍝 🔻 💆 SecurityGroup | EC2 | ap-south - X | 🌔 EC2 Instance Connect | ap-sout - X | 😯 GitHub - NAs//DevSecOps-Proj - X | 💽 Prometheus Time Series Collect - X 🚱 Node Exporter C △ Not secure 13.126.200.18:9090/targets?search= ☆ 한 | 🔳 🙃 M Gmail 🔢 Redirecting 🔞 ChatGPT 👙 Problems - LeetCode 🕼 Microsoft apps 🙆 Google Cloud Skills... 😱 gitHub 💍 overleaf ធ Unstop 🕦 Internshala 💀 Glassdoor 👣 Indeed 🏪 APPLICATION 🔡 Cuvette 💆 NextLevel Prometheus Alerts Graph Status ▼ Help Ø ( D **Targets** Q Filter by endpoint or labels node\_exporter (1/1 up) show less Scrape Duration Error Endpoint Last Scrape UP 1m 5s ago 14.722ms prometheus (1/1 up) showle Scrape Endpoint State Last Scrape **Duration Error** 1m 6s ago 4.898ms 👭 Q Search 🦀 🗳 📫 📔 😵 🎉 🛅 🧐 🦁 🔻 💆

**Prometheus Node Exporter** 

**Node Exporter** 

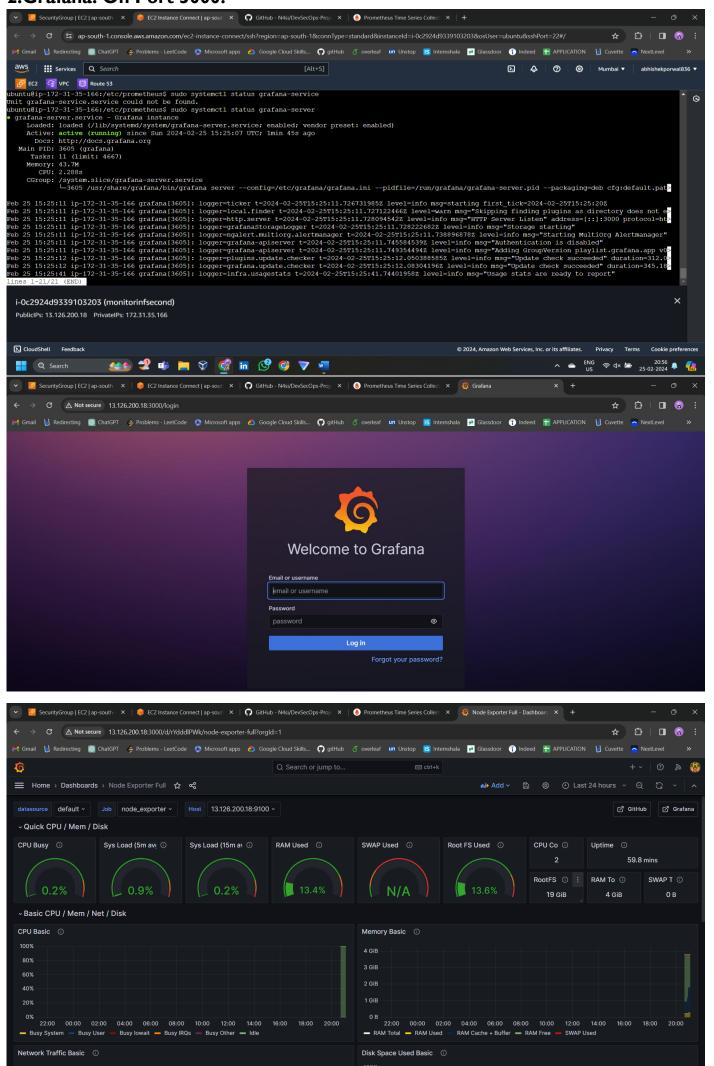
→ C A Not secure 13.126.200.18:9100

Version: (version=1.6.1, branch=HEAD, revision=4a1b77600c1873a8233f3ffb55afcedbb63b8d84)

🧖 SecurityGroup | EC2 | ap-south- 🔞 | 🌔 EC2 Instance Connect | ap-sout- 🗴 | 🕠 GitHub - N4s//DevSecOps-Proj: 🗴 | 🕥 Prometheus Time Series Collec: 🗴 🕞 Node Exporter

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#### 2.Grafana: On Port 3000:



3. Configure Prometheus Plugin Integration 💆 SecurityGroup | EC2 | ap-south 💮 🔘 EC2 Instance Connect | ap-south 💉 🌎 GitHub - N4si/DevSecOps-Proj. 💉 | 🕙 Prometheus Time Series Collect 🗶 | 🙋 Node Exporter Full - Dashboart 🗴 | 🛨 🗦 🖰 😉 ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceld=i-0c2924d9339103203&osUser=ubuntu&sshPort=22#/ ☆ ♪ □ 🔞 🚧 Gmail 🔚 Redirecting 🥘 ChatGPT 🗲 Problems - LeetCode 🐧 Microsoft apps 🙆 Google Cloud Skills... 📢 gitHub 💍 overleaf 👊 Unstop 🕦 Internshala 📮 Glassdoor 🔞 indeed 🔭 APPUCATION 냉 Cuvette 🙇 NextLevel aws Services Q Search ∑ A ② ② Mumbai ▼ EC2 😚 VPC 👼 Route 53 ape\_configs: The job name is added as a label `job=<job\_name>` to any timeseries scraped from this config. ijob\_name: "prometheus" static\_configs:
 - targets: ["localhost:9090"]
job\_name: "node\_exporter" static\_configs: - targets: ["13.126.200.18:9100"] job\_name: 'jenkins'
metrics\_path: '/prometheus'
static\_configs: ^K Cut ^U Paste ^T Execute ^J Justify i-0c2924d9339103203 (monitorinfsecond) PublicIPs: 13.126.200.18 PrivateIPs: 172.31.35.166 CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Q Search 坐 🗳 🕸 📙 😯 🎼 in 🕓 🦁 🔻 ☑ SecurityGroup | EC2 | ap-sc × | 
ø EC2 Instance Connect | ap- × | Gmail 🖖 Redirecting 🌉 ChatGPT 🎐 Problems - LeetCode 😍 Microsoft apps 🙆 Google Cloud Skills... 🞧 gitHub 🧷 overleaf 👣 Unstop 📘 Internshala 🔁 Glassdoor 🚯 Indeed 啎 APPLICATION 😾 Cuvette 🙇 NextLevel **☆ (** 0 Prometheus Alerts Graph Status ▼ Help **Targets** Q Filter by endpoint or labels All Unhealthy Collapse All jenkins (1/1 up) show less Scrape
Duration Error Last Scrape 24.880s ago UP node\_exporter (1/1 up) showless Scrape State Last Scrape Duration Error UP prometheus (1/1 up) showless Scrape Endpoint State Lahels Last Scrape **Duration Error** UP 22.559s ago 5.076ms EC2 Instance Connect | ap-soull × GitHub - N4si/DevSecOps-Proje X Prometheus Time Series Collect × C A Not secure 13.126.200.18:3000/d/haryan-jenkins/jenkins3a-performance-and-health-overview?orgld=1 ☆ ひ □ 🙃 🚧 Gmail 🔞 Redirecting 🎆 ChatGPT 👙 Problems - LeetCode 🕻 Microsoft apps 🙆 Google Cloud Skills... 🞧 gitHub 💍 overleaf 💴 Unstop 🔞 Internshala 🛂 Glassdoor 🚯 Indeed 开 APPLICATION 🔞 Cuvette 🙇 Ne Processing speed Job queue duration Queued rate JVM Uptime JVM free memory Memory Usage CPU Usage 0.00563% Total Jobs Sucessful Jobs

No data No data None!

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None!

None!