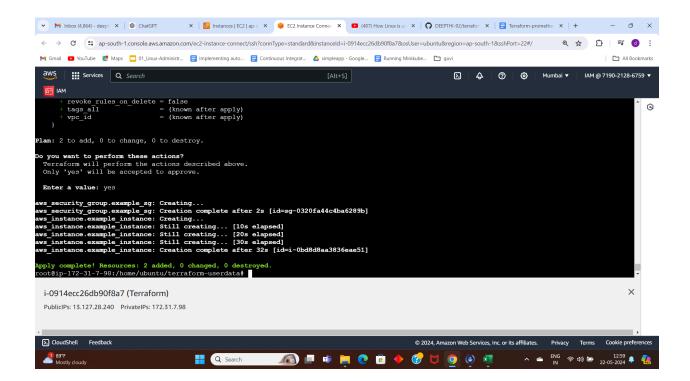
# **Deploy Prometheus Stack Using Docker Compose**

Deploying Prometheus Stack using Docker Compose and Terraform involves orchestrating the setup of Prometheus, Grafana, and any other necessary components as Docker containers with Docker Compose.

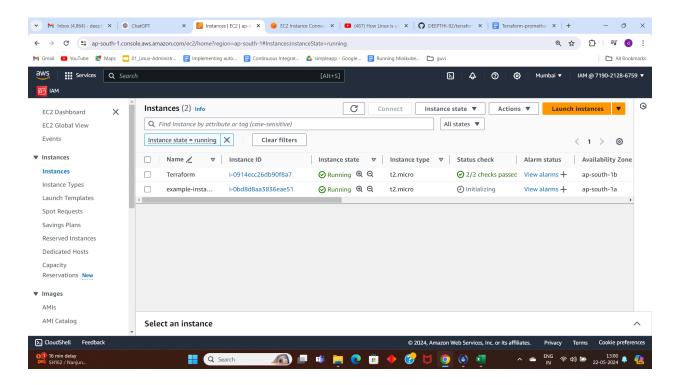
GITHUB: https://github.com/DEEPTHI-92/terraform-userdata.git

# Infrastructure as Code using Terraform

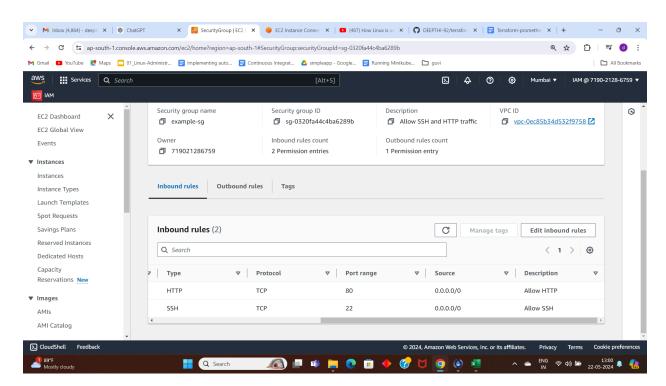
Create a Terraform template for creating [Ec2, Security group ] and also install docker and docker-compose using userdata method.



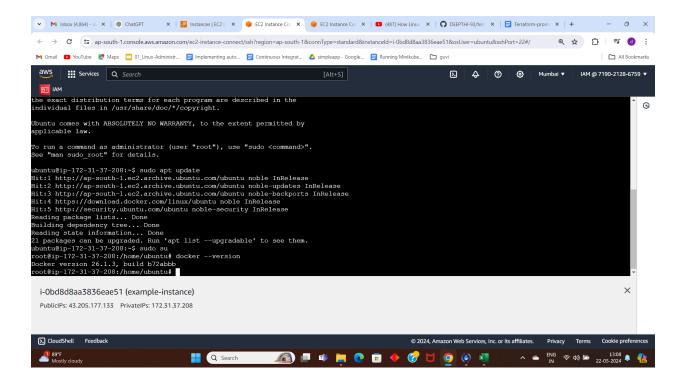
#### EC2 instance created



#### Security group created

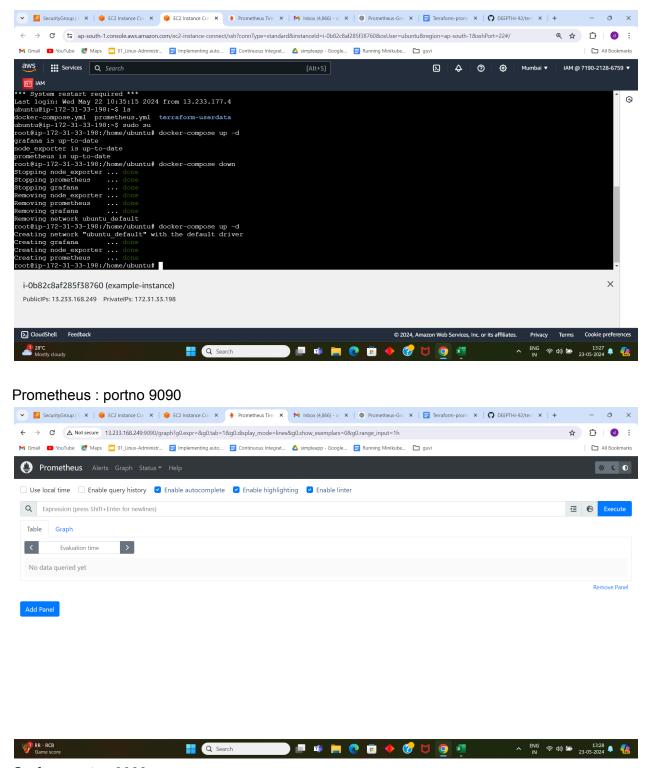


### Installed Docker and Docker-compose using user data

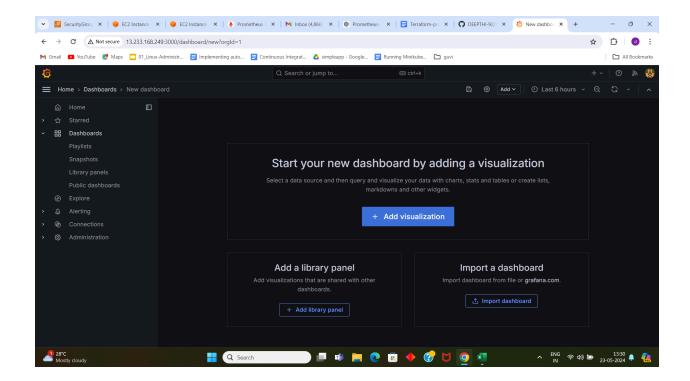


### **Multi-Container Deployments using Docker Compose**

Template a docker-compose file for prometheus, Grafana and Node exporter. Apply docker-compose file and create containers.



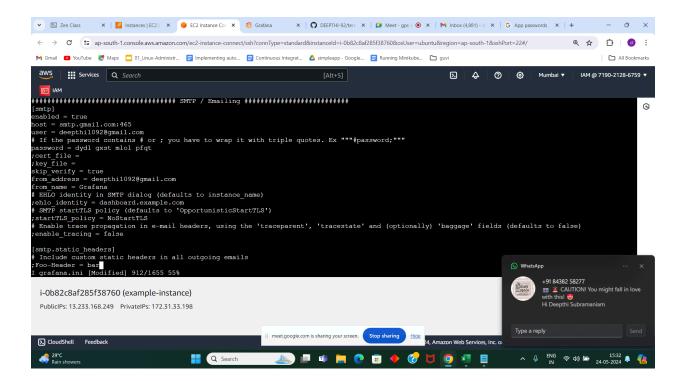
Grafana portno:3000



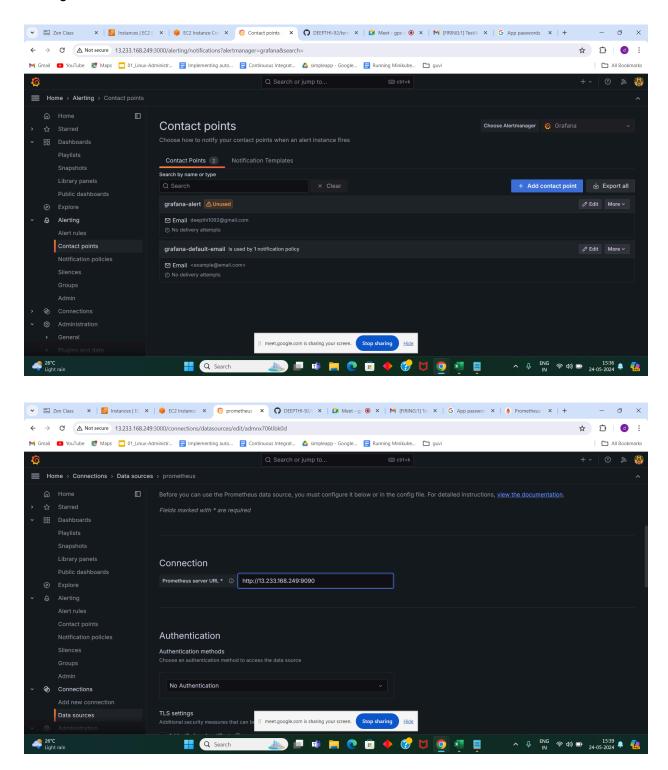
# **Monitoring & Alerting using Prometheus Stack**

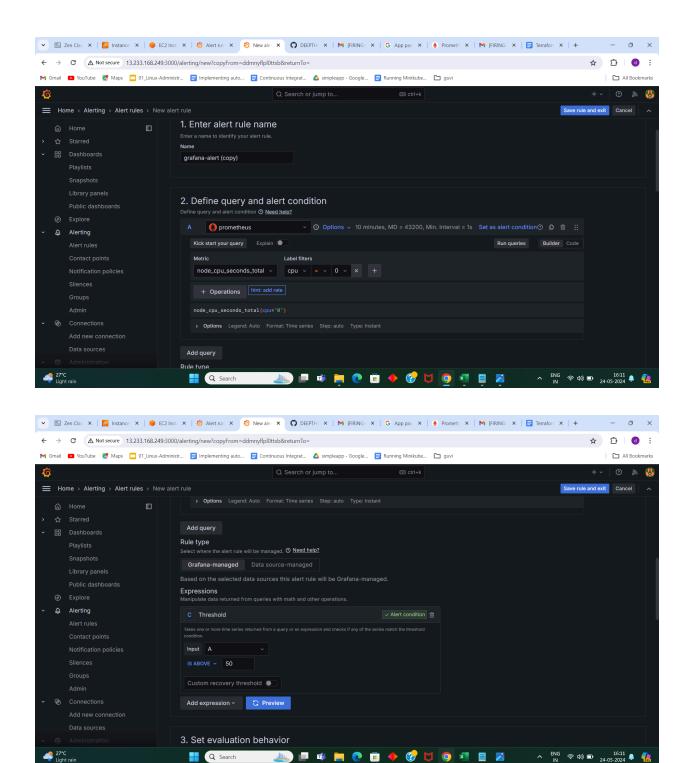
Configure Prometheus and Grafana containers and set alerts for high cpu usage and send information using gmail.

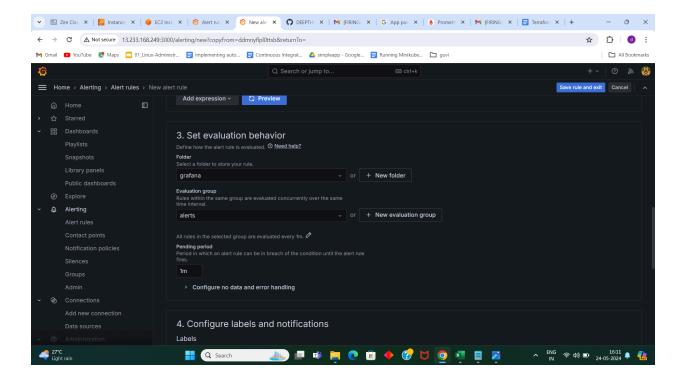
Setting email and APP password in grafana.ini



# Setting ContactPoints and Alert rule in Grafana







#### Alert in Gmail

