



Prometheus



Grafana

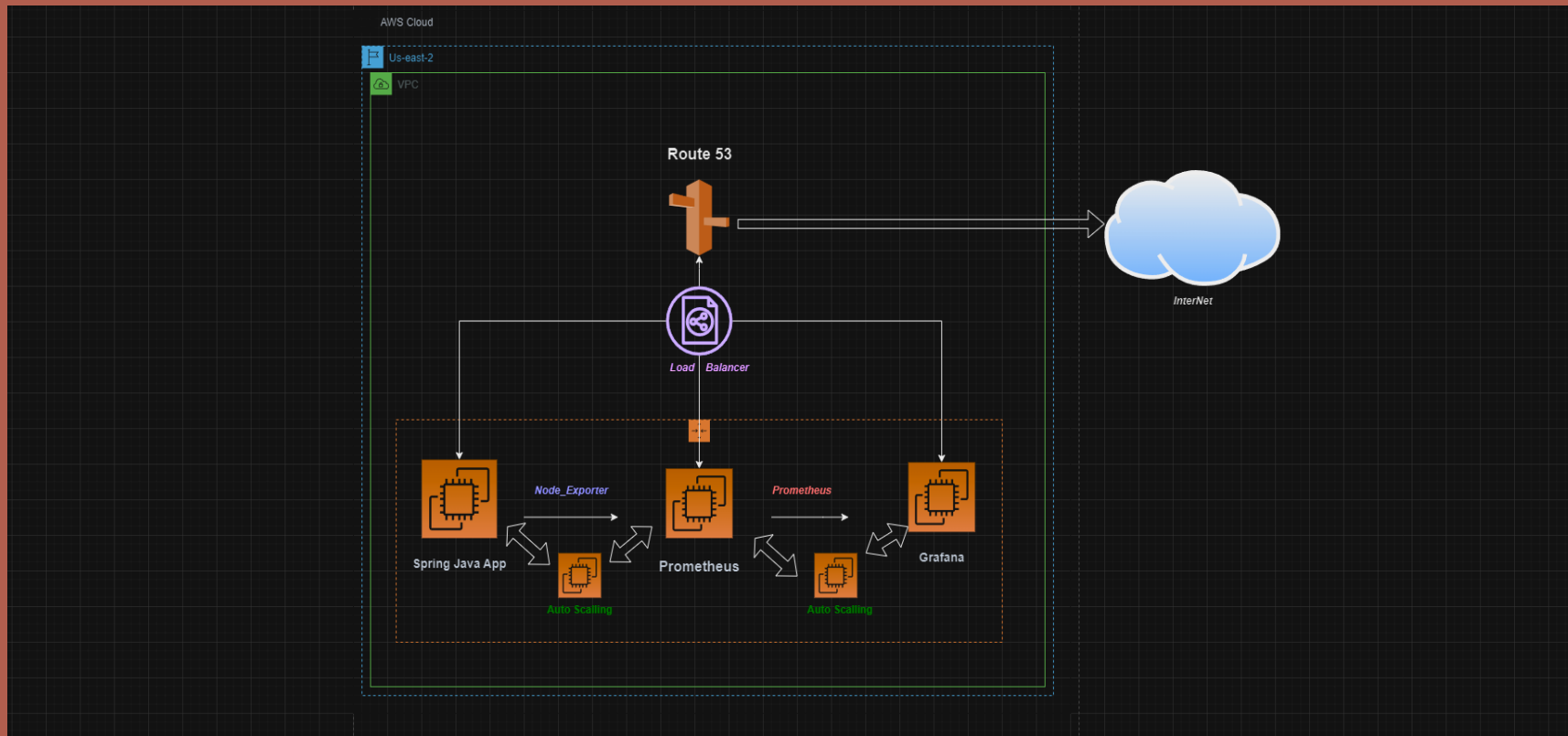
# Spring Application monitoring using Prometheus and Grafana

By,

P Trinesh

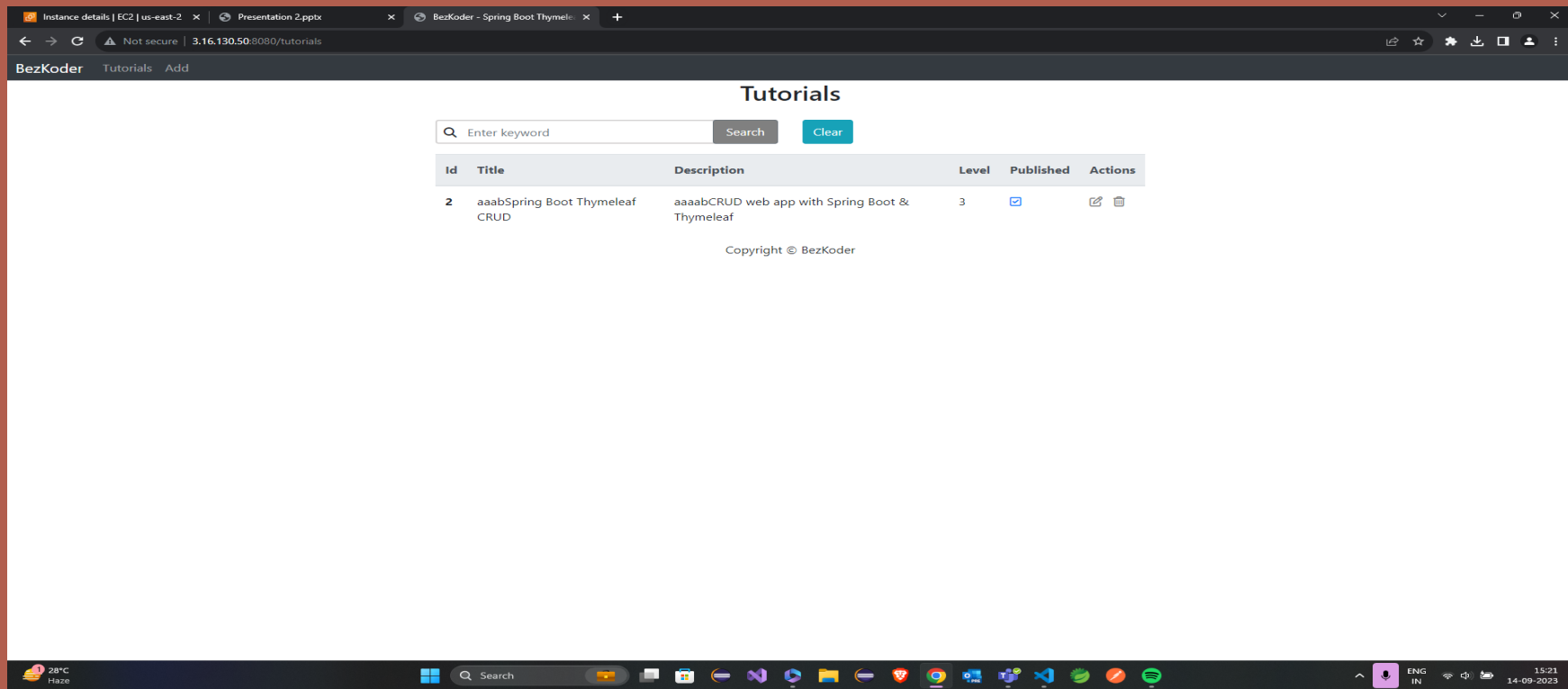
K Prashanth

# Architecture Diagram



# Setting up Application in AWS cloud

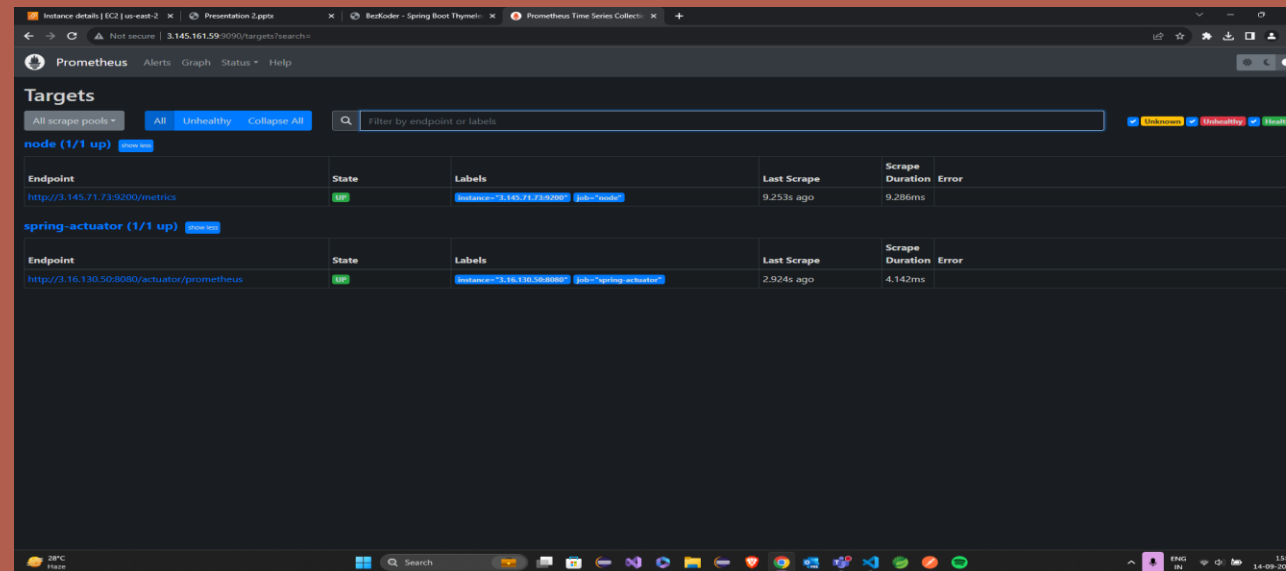
- Launch ec2 instance with ubuntu as AMI
- Install Apache maven and clone the application
- Run the app by this command "mvn spring-boot:run "
- access the app by `http://<ec2-ip>:8080/tutorials`



➤ Install node exporter as it helps to scrape the metrics to Prometheus

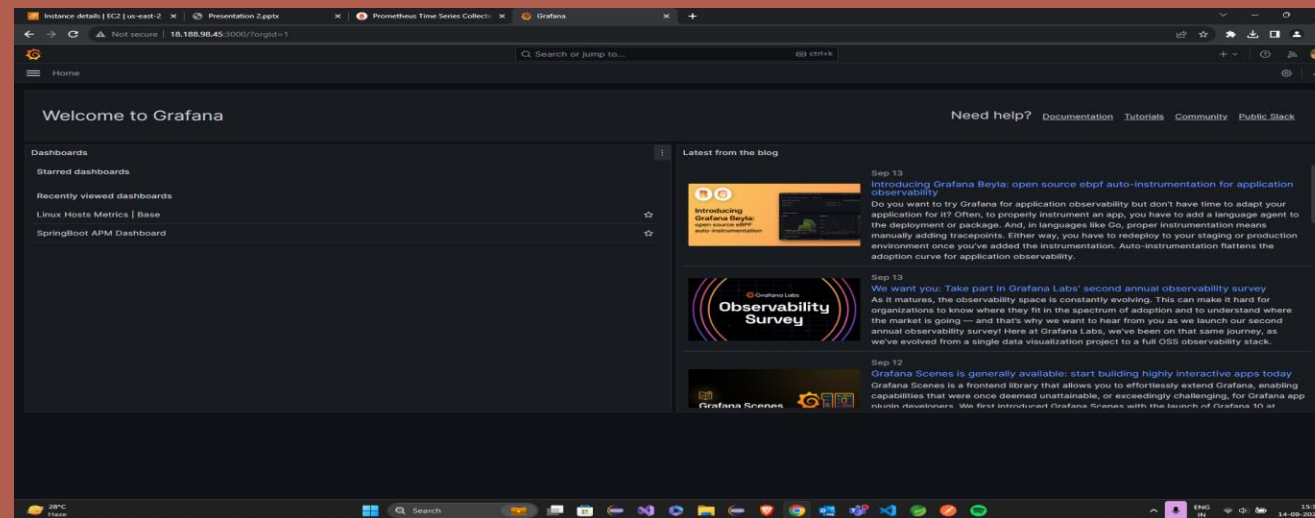
# Setting up Prometheus

- Install Prometheus from official website in a other ec2 instance
- Configure Prometheus and access it from `http://<ec-ip>:9090`

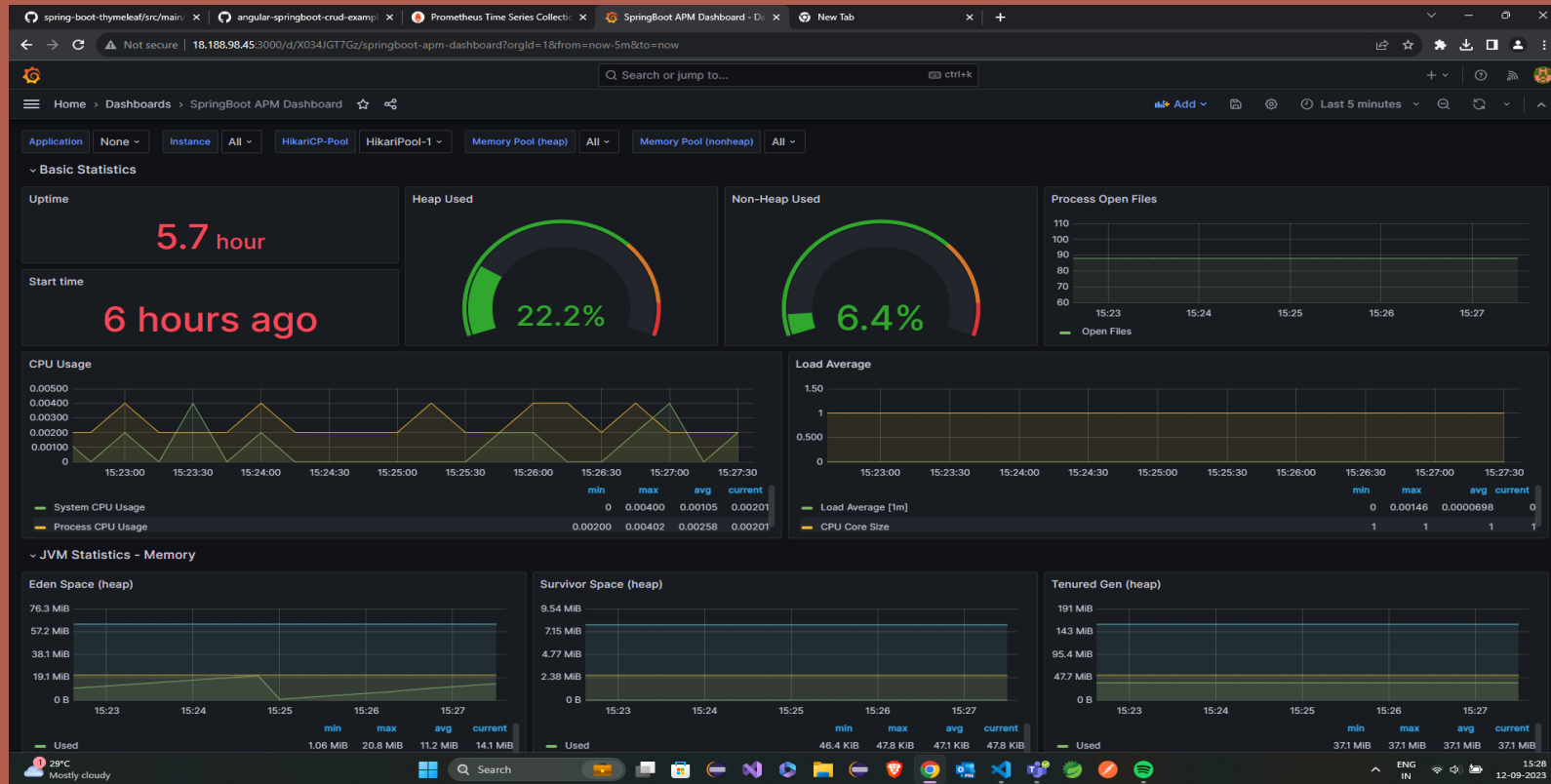


# Setting Up Grafana

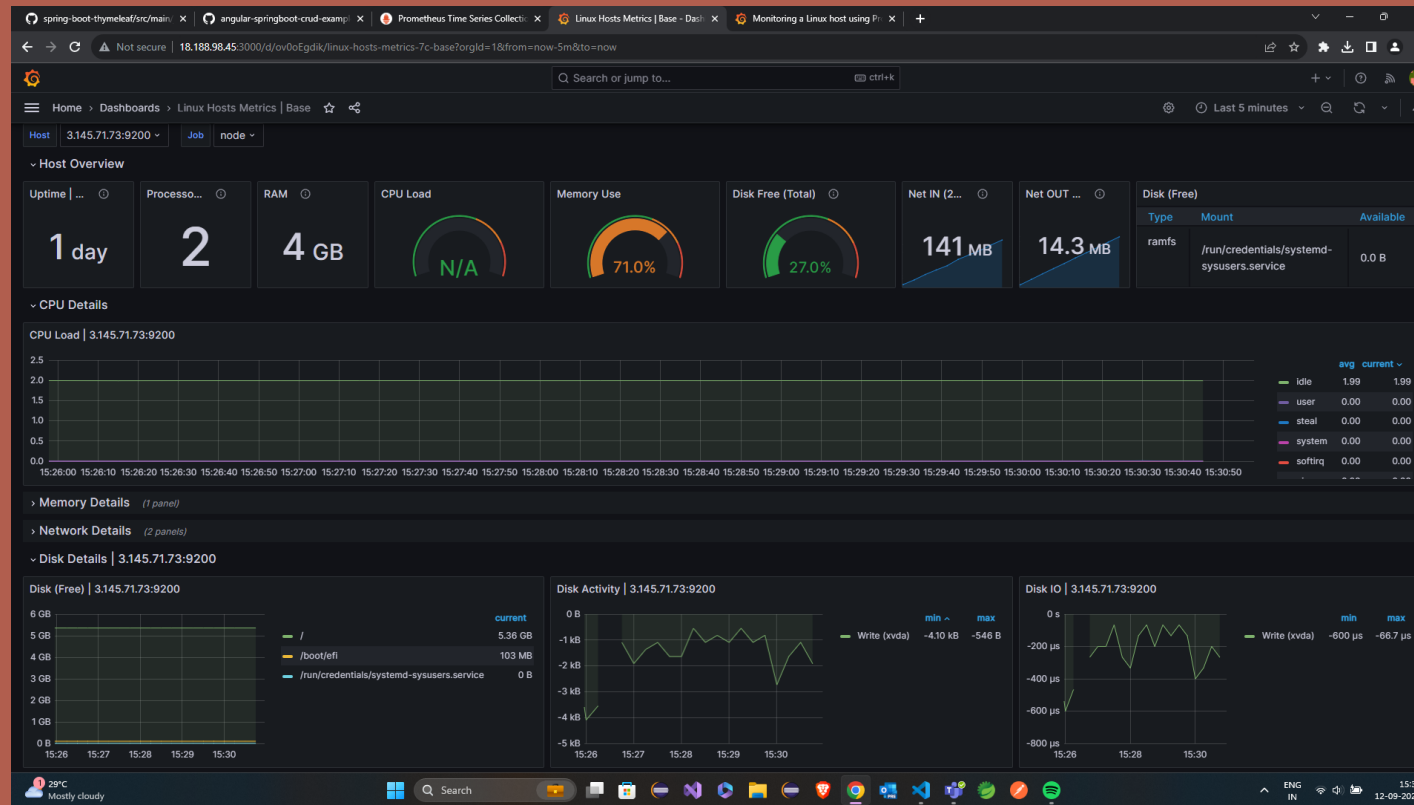
- Install Grafana from official website
- Configure Prometheus and access it from `http://<ec-ip>:3000`



# Spring App Dashboard



# EC2 Instance Dashboard





# Setting up Load Balancer and Auto scaling and Route 53 DNS

- Setup Load Balancer for distributes incoming application traffic across multiple targets.
- Setup Auto Scaling to ensures that your application can handle the increased workload during peak times.

