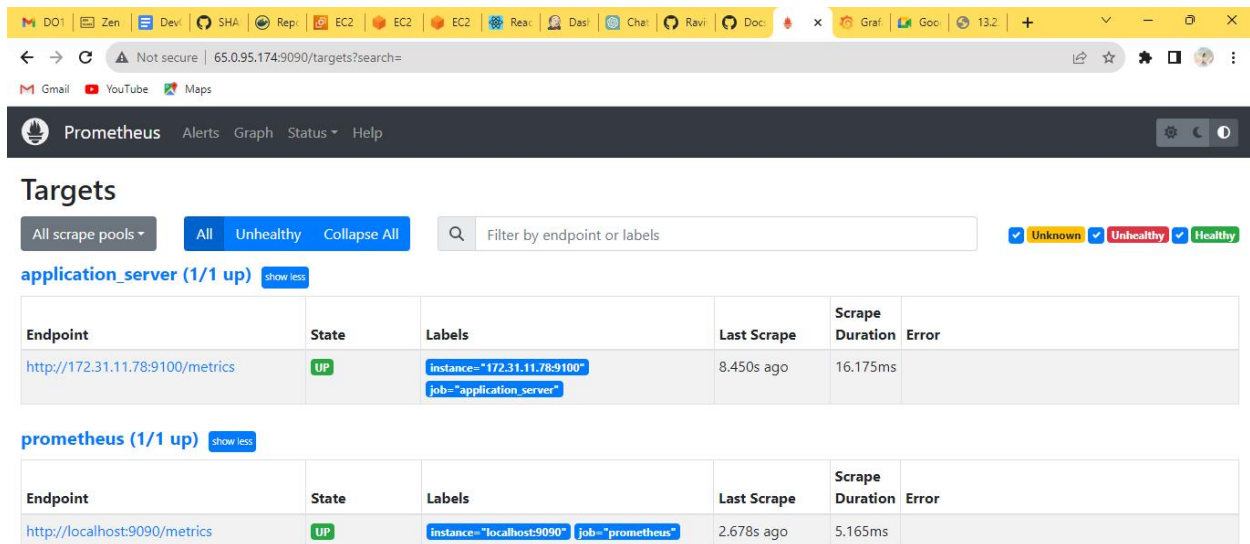


prometheus:

1. prometheus dashboard showing details about application server



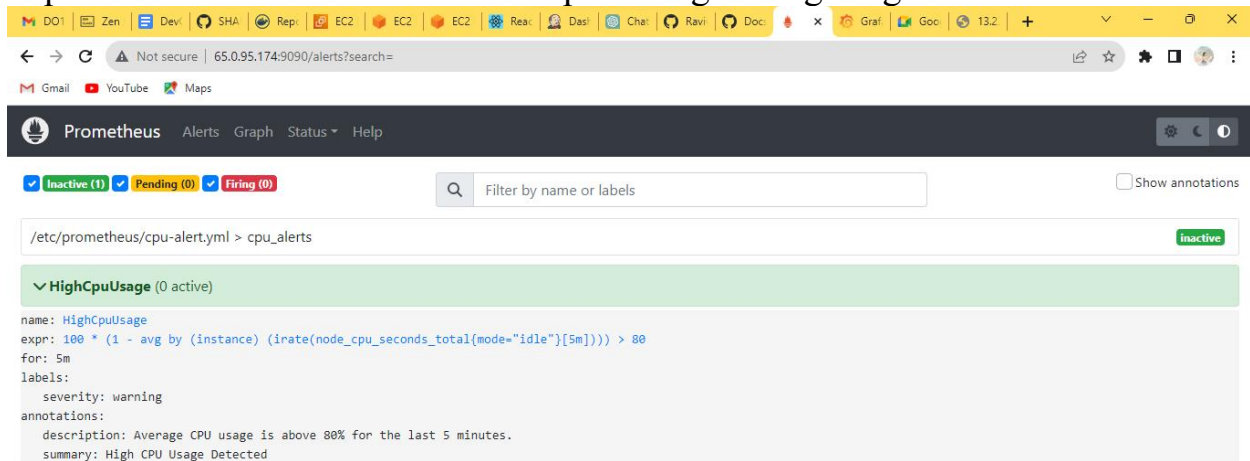
The screenshot shows the Prometheus web interface. The top navigation bar includes 'Prometheus', 'Alerts', 'Graph', 'Status', and 'Help'. The main heading is 'Targets'. Below it, there are tabs for 'All', 'Unhealthy', and 'Collapse All'. A search bar is present with the text 'Filter by endpoint or labels'. On the right, there are status indicators: 'Unknown' (yellow), 'Unhealthy' (red), and 'Healthy' (green). The first target group is 'application_server (1/1 up)' with a 'show less' link. It contains a table with the following data:

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://172.31.11.78:9100/metrics	UP	instance="172.31.11.78:9100" job="application_server"	8.450s ago	16.175ms	

The second target group is 'prometheus (1/1 up)' with a 'show less' link. It contains a table with the following data:

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	2.678s ago	5.165ms	

2. prometheus server for alert when cpu average usage is greater than 80%

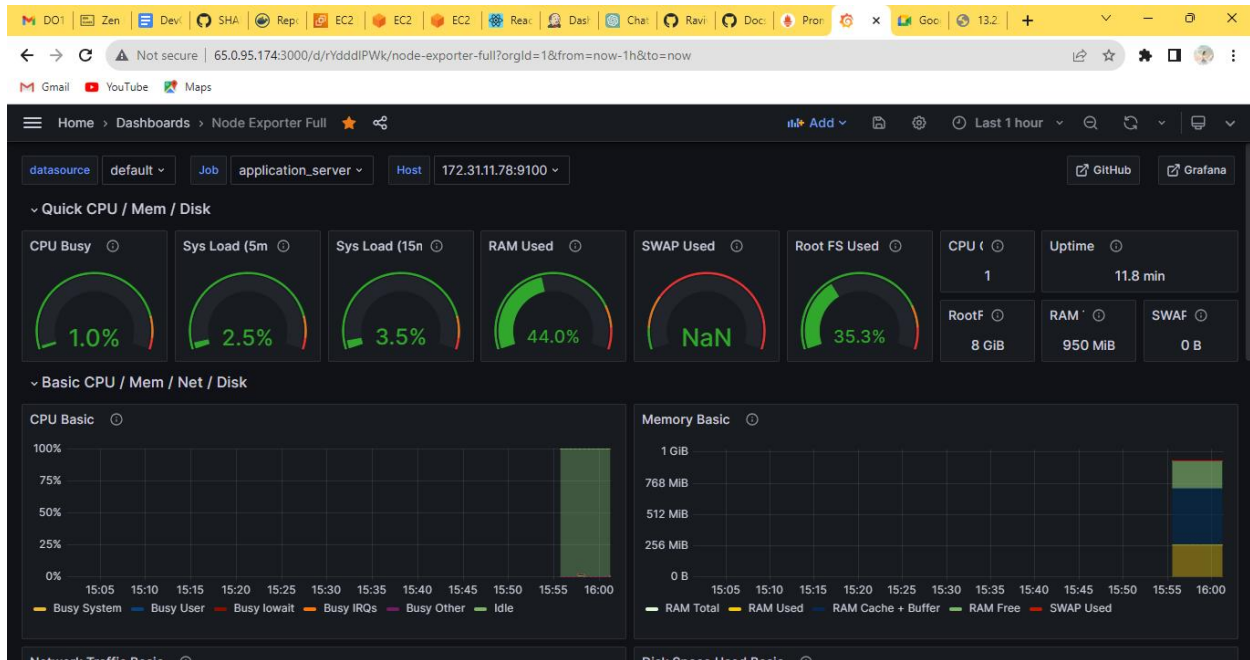


The screenshot shows the Prometheus web interface with the 'Alerts' tab selected. The top navigation bar is the same as in the first screenshot. The main heading is 'Alerts'. Below it, there are tabs for 'Inactive (1)', 'Pending (0)', and 'Firing (0)'. A search bar is present with the text 'Filter by name or labels'. On the right, there is a checkbox for 'Show annotations'. The first alert is 'HighCpuUsage (0 active)' with a 'show less' link. It contains the following details:

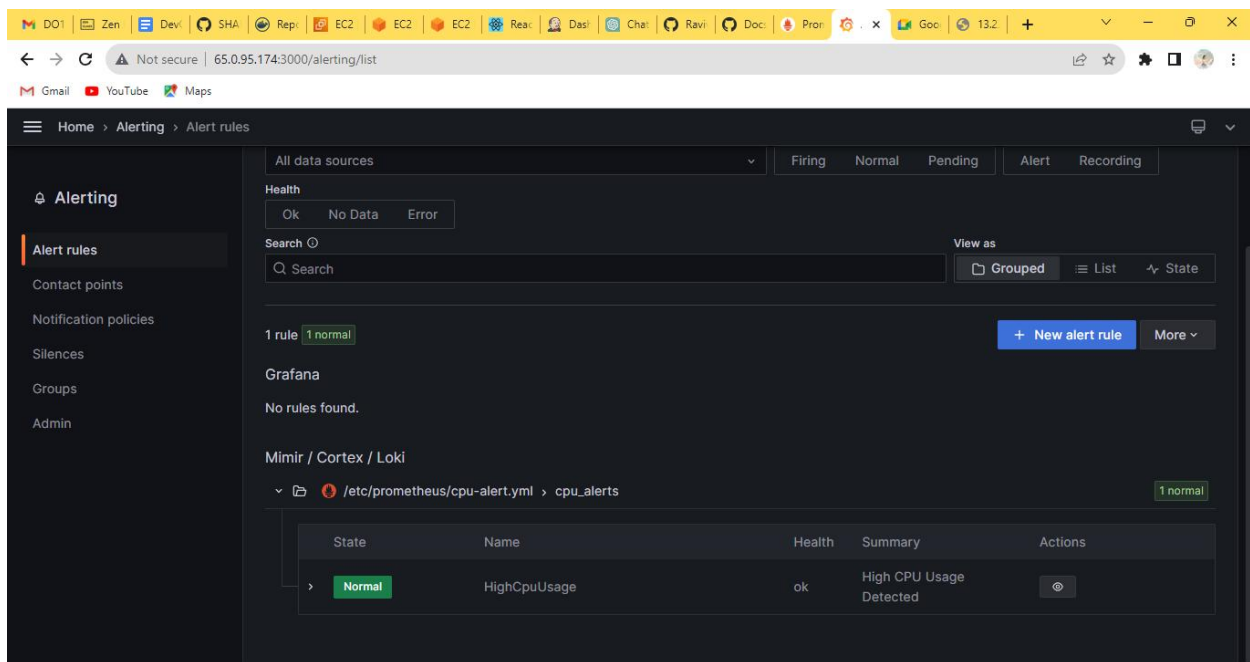
```
name: HighCpuUsage
expr: 100 * (1 - avg by (instance) (irate(node_cpu_seconds_total{mode="idle"}[5m]))) > 80
for: 5m
labels:
  severity: warning
annotations:
  description: Average CPU usage is above 80% for the last 5 minutes.
  summary: High CPU Usage Detected
```

Grafana:

3.grafana dashboard for applicatiuon server with basic graph



4.grafana alert for cpu usage >80%



5. grafana email setup for alert

The screenshot shows the Grafana web interface in a browser. The browser's address bar shows the URL `65.0.95.174:3000/alerting/notifications`. The Grafana interface has a dark theme. On the left is a sidebar with the 'Alerting' section expanded, showing sub-items: 'Alert rules', 'Contact points' (which is selected), 'Notification policies', 'Silences', 'Groups', and 'Admin'. The main content area is titled 'Contact points' and includes a dropdown menu set to 'Grafana'. Below the title, there is a description: 'Choose how to notify your contact points when an alert instance fires'. The 'Contact points' section has a sub-description: 'Define where notifications are sent, for example, email or Slack.' and includes a '+ Add contact point' button and a 'More' dropdown. A table lists the current contact points:

Contact point name	Type	Health	Actions
> shangavi	Email	No attempts	edit delete refresh

Below the table is the 'Notification templates' section, with the instruction 'Create notification templates to customize your notifications.' and an '+ Add template' button. A table for templates is shown with the following structure:

Template	Actions
No templates defined.	