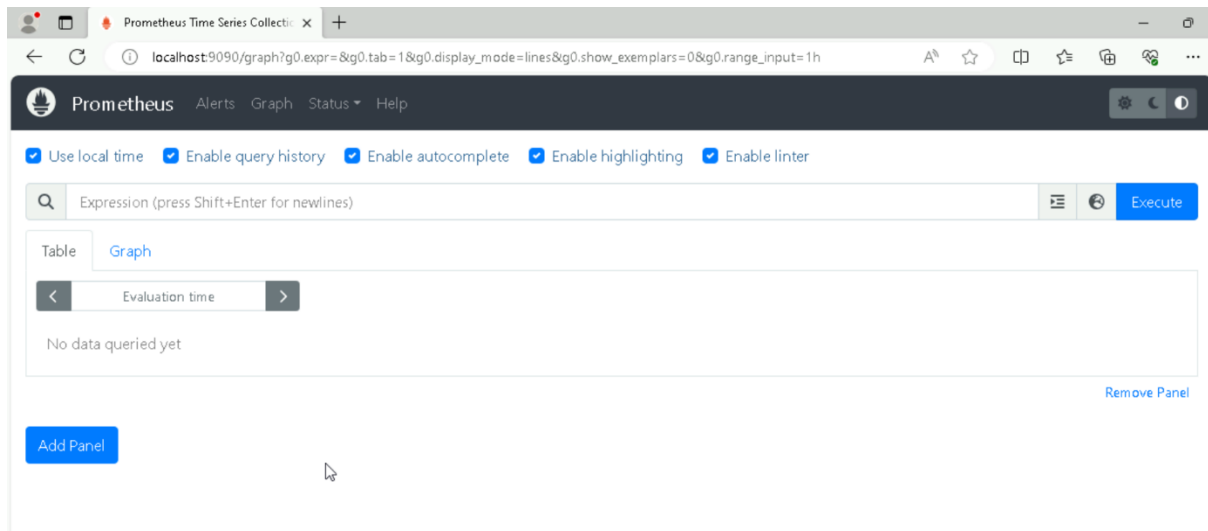
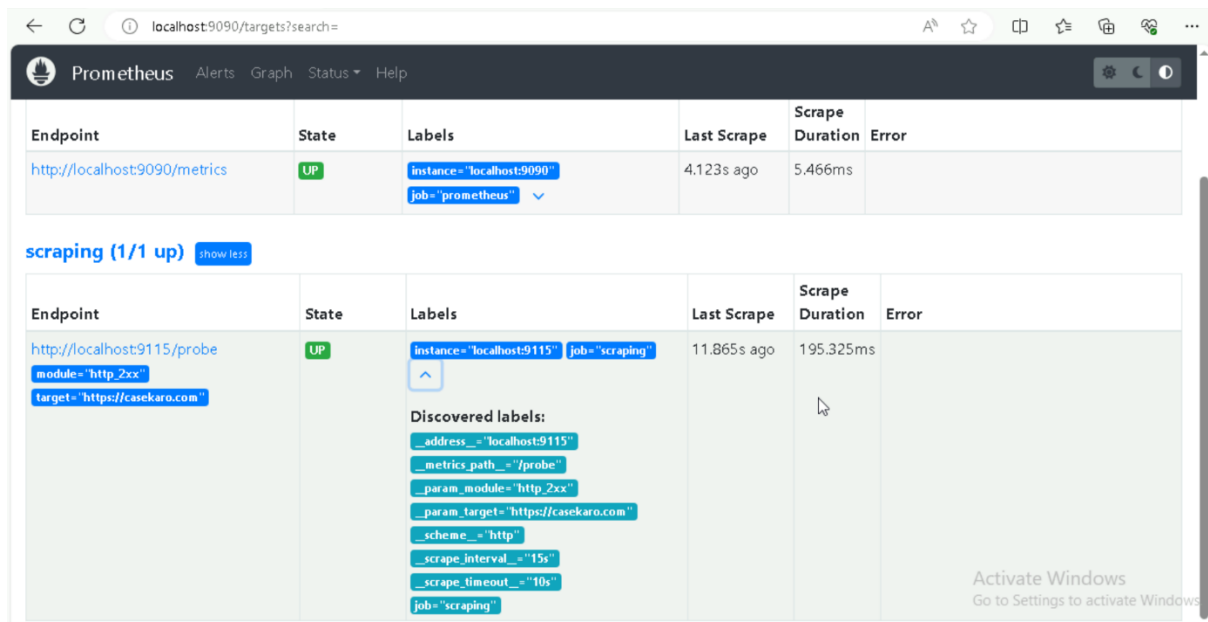


# Assignment: Web Scraping and Visualization with Prometheus and Grafana

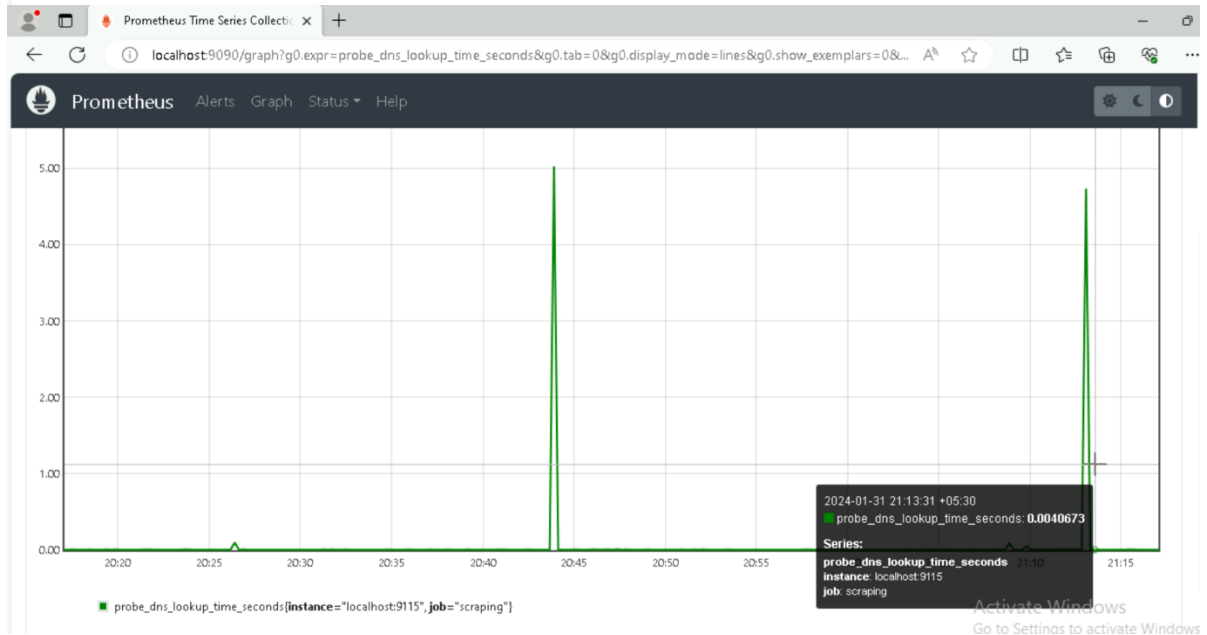
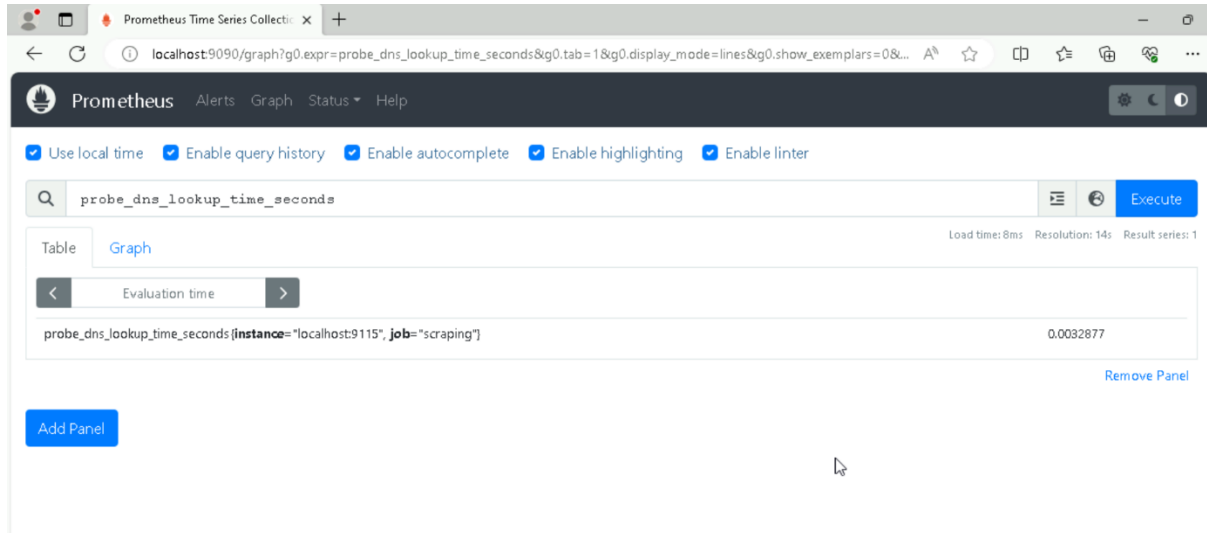
1. Download Blackbox exporter
2. Edit the Prometheus.yml file
3. Run blackbox\_exporter, Prometheus , Grafana-server
4. localhost:9090 - Prometheus



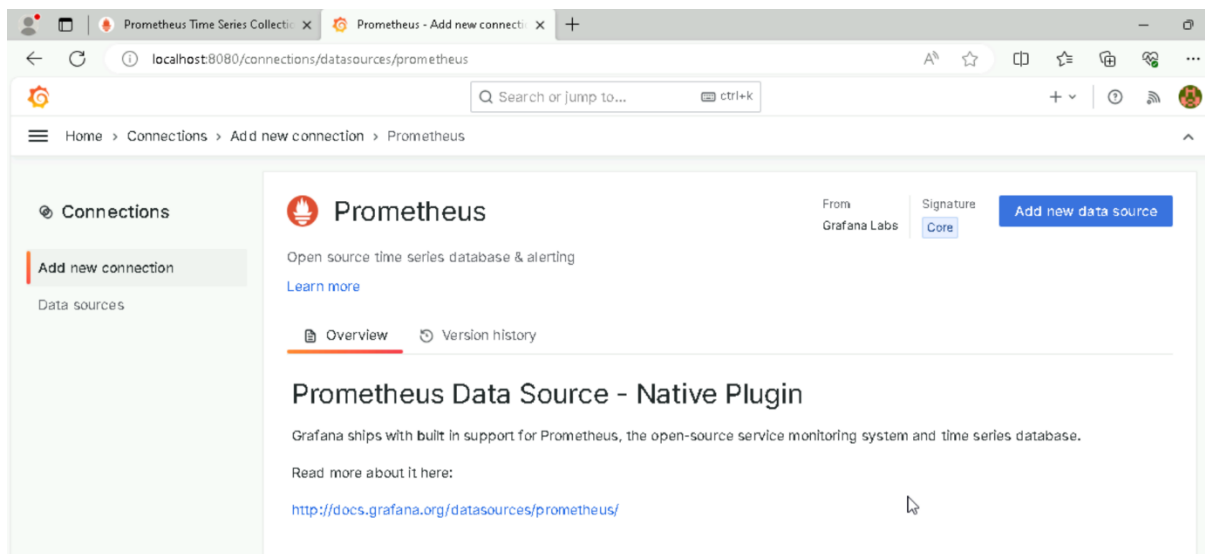
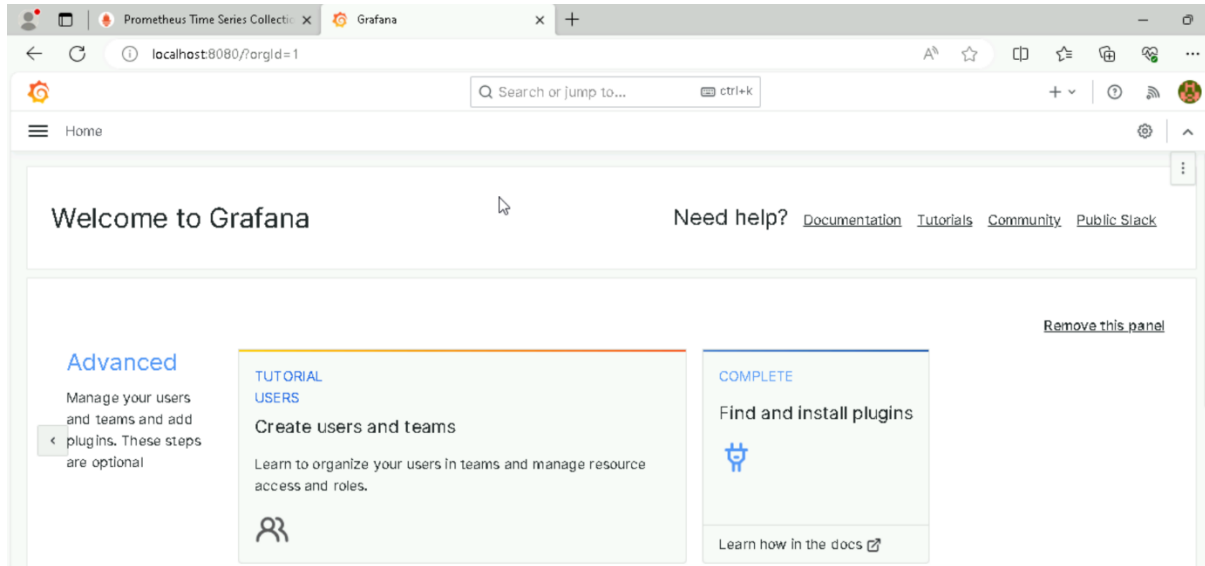
5.Targets :-



6.



## 7. localhost:8080 :- Grafana



Browser tabs: Prometheus Time Series Collectio... prometheus-casekaro - Data sou... |

URL: localhost:8080/connections/datasources/edit/d6e6932c-fd0f-44aa-803e-a95960505e15


Search or jump to... ctrl+k

Home > Connections > Data sources > prometheus-casekaro

Connections

Add new connection

Data sources

 **prometheus-casekaro**

Type: Prometheus

Alerting Supported

Explore data

Build a dashboard

Type: Prometheus

Settings Dashboards

Name prometheus-casekaro Default ☐

Before you can use the Prometheus data source, you must configure it below or in the config file. For detailed instructions, [view the documentation](#).

Fields marked with \* are required

Browser tabs: Prometheus Time Series Collectio... New dashboard - Dashboards |

URL: localhost:8080/dashboard/new?orgId=1

Search or jump to... ctrl+k

Home > Dashboards > New dashboard

Add Last 6 hours

### Start your new dashboard by adding a visualization

Select a data source and then query and visualize your data with charts, stats and tables or create lists, markdowns and other widgets.

+ Add visualization

### Add a library panel

Add visualizations that are shared with other dashboards.

### Import a dashboard

Import dashboard from file or [grafana.com](#).

Import dashboard

Activate Windows  
Go to Settings to activate Windows.

Browser tabs: Prometheus Time Series Collector, Edit panel - New dashboard - Da...

URL: localhost:8080/dashboard/new?orgId=1&editPanel=1

Search or jump to... (ctrl+k)

Home > Dashboards > New dashboard > Edit panel

Table view ☐ Fill Actual Last 6 hours

Query 1 Transform data 0 Alert 0

Data source: prometheus-casekaro MD = auto = 807 Interval = 30s Query inspector

Panel A (prometheus-casekaro)

Kick start your query Explain ☐ Run queries Builder Code

Metric: probe\_success

Label filters: instance = localhost:9115 job = scraping

+ Operations

probe\_success{instance="localhost:9115", job="scraping"}

Time series

Search options

All Overrides

Panel options

Title: Panel Title

Description

Transparent background ☐

Panel links

Repeat options

Tooltip

Browser tabs: Blackbox Exporter, Edit panel - Casekaro-Prometheus, Prometheus Time Series Collector

URL: localhost:8080/d/a27201c3-269d-4f0a-b85a-36e6ac32ec4e/casekaro-prometheus-grafana?orgId=1&from=now-6h&to=now...

Search or jump to... (ctrl+k)

Home > Dashboards > Prometheus-Grafana > Casekaro-Prometheus-Grafana > Edit panel

Table view ☐ Fill Actual Last 6 hours

Query 1 Transform data 0

Data source: prometheus-casekaro MD = auto = 810 Interval = 30s Query inspector

Panel Success Gauge

Kick start your query Explain ☐ Run queries Builder Code

Metrics browser > probe\_success{instance="localhost:9115", job="scraping"}

Options Legend: Auto Format: Time series Step: auto Type: Range Exemplars: false

Gauge

Search options

All Overrides

Panel options

Title: Success Gauge

Description

Transparent background ☐

Panel links

Repeat options

Value options

