

< Return to Classroom

DISCUSS ON STUDENT HUB >

Building a Metrics Dashboard

REVIEW
CODE REVIEW
HISTORY

Requires Changes

4 specifications require changes

Hi there!

This was a good start point for this project 👍 You did a great job with performing Jaeger traces on the Python services 🖏 Please make the below modifications to meet all rubric items

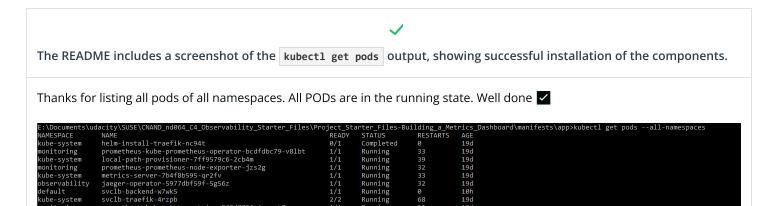
- 1. Change the period time of the **Frontend 40X-50X errors** dashboard to the **last 24 hours** rather than the last 6 hours.
- 2. Add at least one more screenshot of a dashboard that shows the **uptime of Backend and Frontend services during the last 24 hours**.
- 3. Add at least **one more SLI/SLO** for guaranteeing that our application has a 99.95% uptime per month.
- 4. List **2-3 KPIs per each SLI as well as a short description** of why those KPIs were chosen by you for each SLI.
- 5. Write a text description of what graphs are represented in your final dashboard.

EXTERNAL RESOURCES

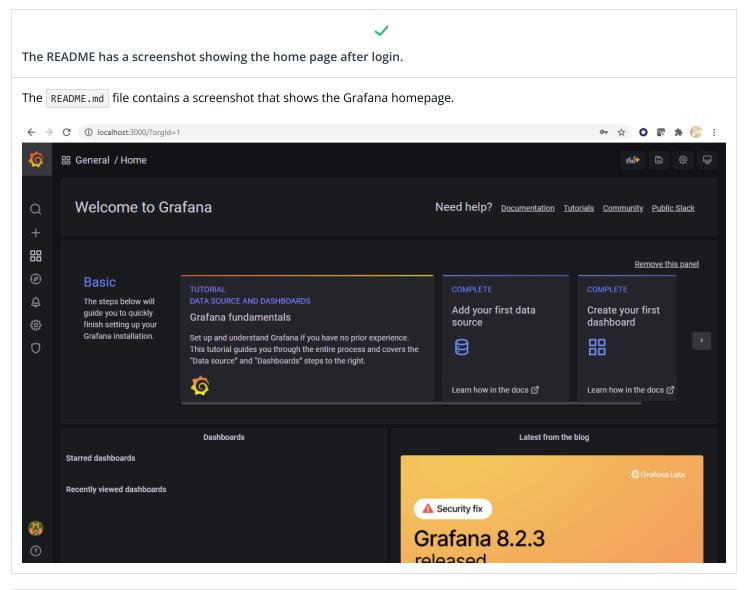
- Monitoring Flask microservices with Prometheus
- Monitoring Kubernetes with Prometheus Operator
- Prometheus operator enable monitoring for everything in all namespaces
- How to create a ServiceMonitor for prometheus-operator?
- How to visualize average response time of all requests
- If you are curious to learn about **How To Implement Distributed Tracing with Jaeger on Kubernetes** please refer to here

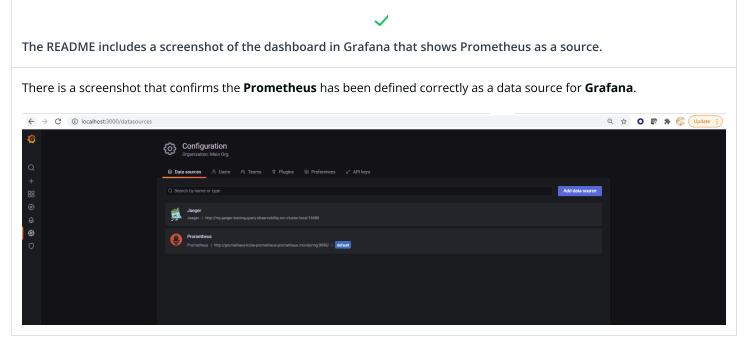
Good luck

Project and Cluster Staging



boservability my-jaeger-tracing-677fscb694-nmfsf 1/1 Ruming 1 11h and 11h alertmanager-prometheus-kube-prometheus-alertmanager-D 2/2 Ruming 64 19d kube-system coredins-88dod957-85s52 1/1 Ruming 32 19d monitoring prometheus-prometheus-prometheus-prometheus-prometheus-prometheus-prometheus-prometheus-prometheus-prometheus-D 2/2 Ruming 64 19d default backend-d876d74f-664r6 1/1 Terminating 0 10h monitoring prometheus-grana-57589d78d-46cbt 2/2 Ruming 64 19d default svclb-frontend-n51dr 1/1 Ruming 0 10h default backend-6866f876d-812 2/2 Ruming 64 19d default backend-6866f876d-812 1/1 Ruming 0 10h default backend-6866f86f876d-812 1/1 Ruming 0 10h default backend-6866f86f876d-812 1/1 Ruming 0 10h default backend-6866f876d-812 1/1 Ruming 0 10h default backend-6866f86f876d-812 1/1 Ruming 0 10h default backend-6866f86f86f876d-812 1/1 Ruming 0 10h default backend-6866f86f8





Create Dashboards to Measure SLIs

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The README contains a definition of the SLIs, based on an SLO of monthly uptime and request response time.

Good job you have elaborated the SLI definition based on an SLO of monthly uptime and request-response time with an example.

EXTERNAL RESOURCE

🖨 After discussing the motivation behind SLOs and error budgets in the CloudNative ND program, this chapter provides a step-by-step recipe to get you started thinking about SLOs, and also some advice about how to iterate from there. We'll then

cover how to use SLOs to make effective business decisions, and explore some advanced topics.



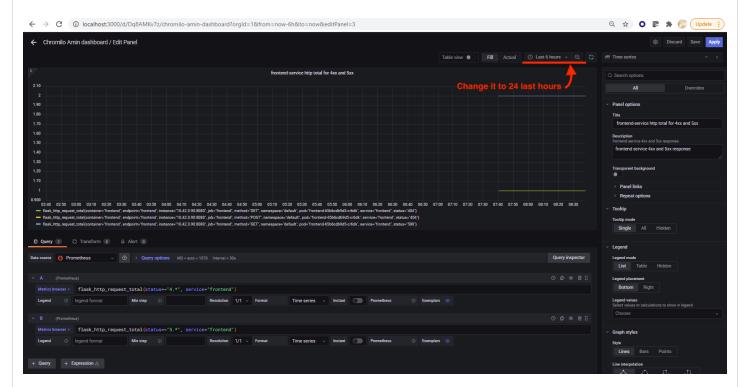
The README contains KPI metrics based on the SLIs given in the project instructions.

Acceptable discussion in five KPI metrics to measure the pre-defined SLIs.



The README will include a screenshot of the finished dashboard containing panels with graphs that measure the required metrics provided by the course.

• According to the project instructions you should provide a screenshot of a dashboard that measures the 40X-50X errors of Backend and Frontend services during the **last 24 hours**. However, as you can see in the screenshot below, the Frontend 40X-50X dashboard shows that information only for the last 6 hours. Please change the period time of that dashboard to the **last 24 hours**.



• Please add at least one more screenshot of a dashboard that shows the **uptime of Backend and Frontend services during the last 24 hours**.

Tracing



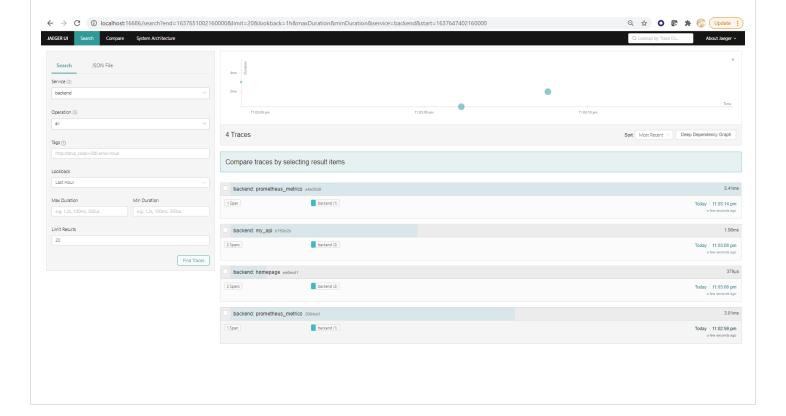
The sample Python file contains a trace and span code to perform Jaeger traces on the Python services.

The Backend reference app has been used in this project as a Python app that contains a trace and span code to perform Jaeger traces on the Python services.



The README contains a screenshot displaying the trace history of the application.

Well done ⚠ The README.md file contains a screenshot displaying the trace history of the Backend application.





The README contains a comprehensive trouble ticket written for developers.

Good job! The purpose of this exercise is to include the tracer span in the ticket to demonstrate how we can use a tracer to locate the problem easily.

Suggestion

Please include the tracer span in your trouble ticket. Because the purpose of this exercise is to include the tracer span in the ticket to demonstrate how we can use a tracer to locate the problem easily.

Creating Your own Dashboard



The README contains a list of four SLIs and SLOs, created by the student based on the criteria provided in the instructions.

At the moment, your README.md file contains a list of *three* SLIs and SLOs. According to this rubric item we are looking for **four** SLIs and SLOs. Please add at least one more SLI/SLO to meet this rubric item.

Specification

The README contains a list of four SLIs and SLOs, created by the student based on the criteria provided in the instructions.

158 - uptime 159 - http request exceptions 160 - average http response time



The README contains a list of 2-3 KPIs per SLI as well as a description of why those KPIs were chosen.

Thanks for listing KPIs based on your SLIs. However, according to this rubric item, you should **list 2-3 KPIs per each SLI as well as a short description of why those KPIs were chosen** by you for each SLI.

Specification

The README contains a list of 2-3 KPIs per SLI as well as a description of why those KPIs were chosen.

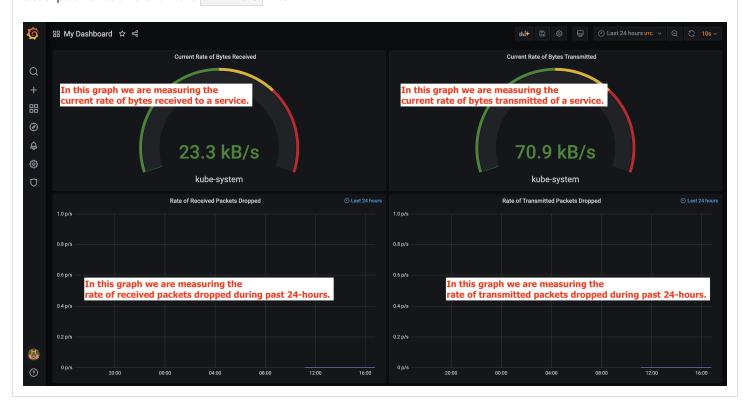
```
## Building KPIs for our plan

## Building KPIs for our p
```



The README contains a screenshot of the completed dashboard as well as a brief description of each graph.

Thanks for including two screenshots as your final dashboard. However, based on this rubric item, the completed dashboard should include **a brief description of each graph.** Please see the screenshot below as a reference. You can also enter a description of each chart in the README.md file.



☑ RESUBMIT

J DOWNLOAD PROJECT



Best practices for your project resubmission

Ben shares 5 helpful tips to get you through revising and resubmitting your project.

• Watch Video (3:01)

RETURN TO PATH