

**05.06.23 – 09.06.23**

**Task – Find at-least THREE open-source applications for measurement**

This week we found more than 3 applications that can be used for thesis performance evaluation. These applications are successfully running as docker containers on the Linux based server assigned for this thesis.

**NGINX [1] [2]**

It is an universal web-app server, open-sourced, that provides platform to run microservices in multiple programming languages. It is also used for reverse proxy to backend servers. It has docker image available on docker hub.

**WordPress [3] [4]**

An open-source web content management system that is used to create and manage websites. It has docker image available on docker hub. WordPress is deployed with MySQL as database.

**Grafana [5] [6]**

An open-source data visualization and monitoring tool that is used to create interactive dashboards and charts for analyzing data from multiple sources like databases, cloud monitoring services (AWS CloudWatch). It is widely used in companies like AWS to query, visualize and alert on application logs and metrics.

**MongoDB [7] [8]**

MongoDB is NoSQL document-oriented database used for high volume data storage. Data is stored in form of documents and these documents consist of key-value pair. It provides the scalability and flexibility with querying and indexing the data. It is often deployed with MongoExpress.

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