IT UNIVERSITY OF COPENHAGEN

Project Report

DEVOPS, SOFTWARE EVOLUTION AND SOFTWARE MAINTENANCE

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1 System's Perspective

1.1 Overview

1.2 System Design

1.3 System Architecture

1.4 Subsystem Interactions

1.5 License Compatibility

The project uses MIT license meaning everyone can use and modify.

2 Process' Perspective

2.1 CI/CD chains

2.2 GitHub

2.2.1 Organization of Repositories And Branching Strategy

Issues in GitHub are used to track what needs to be done, and how far a task is from completion. Upon creation, issues are given tags as well as being organized into Projects.

2.3 Monitoring And Logs

2.4 Security

2.5 Scaling And Load balancing

3 Lessons Learned

3.1 Refactoring

3.2 Maintenance

3.3 DevOps adaptation