

Project Report

DEVOPS, SOFTWARE EVOLUTION AND SOFTWARE MAINTENANCE

Andreas Kongstad

kong@itu.dk

Charlotte Schack Berg

csbe@itu.dk

Eythor Mikael Eythorsson

eyey@itu.dk

Christian Lüthcke

clyt@itu.dk

Frederik

fbah@itu.dk

Instructors:
Helge Pfeiffer & Mircea Lungu

May 8, 2022

Contents

1	System's Perspective	3
1.1	Overview	3
1.2	Subsection	3
2	Process' Perspective	3
2.1	CI/CD chains	3
2.2	GitHub	3
2.2.1	Organization of repositories and branching strategy	3
2.3	monitoring and logs	3
2.4	scaling and load balacing	3
3	Lessons Learned	3
3.1	refactoring	3
3.2	Maintenance	3

1 System's Perspective

1.1 Overview

1.2 Subsection

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 scaling and load balacing

3 Lessons Learned

3.1 refactoring

3.2 Maintenance