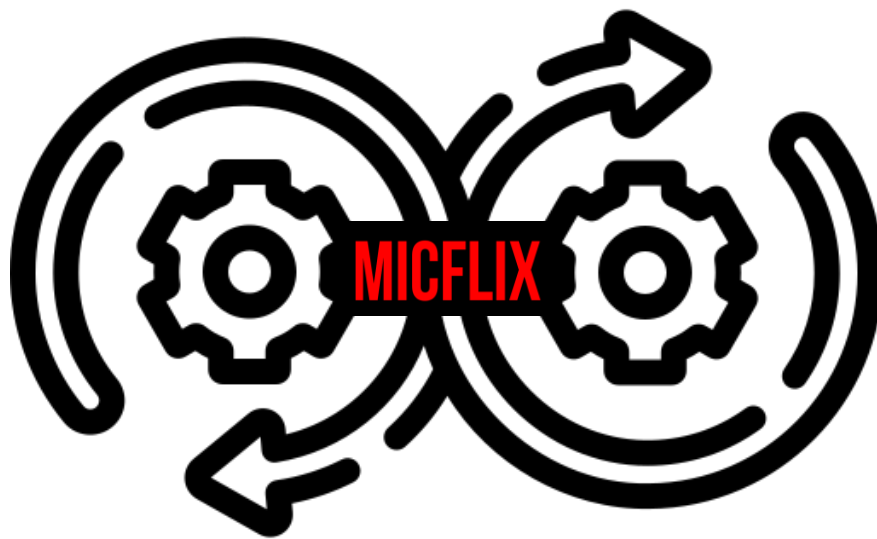


# DEVOPS – MICFLIX

FONTYS SEMESTER 6 SOFTWARE PROJECT



*Devops free icon: Flaticon.com*

Date	07-03-2022
Version	0.1
State	In progress
Author	Mickey Krekels
Class	RB04

## VERSION HISTORY

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Version	Date	Author(s)	Changes	State
0.1	07-03-2022	Mickey Krekels	Added the main structure of the document.	In progress

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# 1 PROJECT DESCRIPTION

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## 1.1 CONTEXT

This document will describe the plan of the Micflix project, I will explain what part I will do, and what the goal of the assignment is. The project plan document will also contain the Scope and preconditions, the methodologies that will be used for the different research questions, explaining which stakeholders are involved and the testing within the project.

## 2 CI/CD PIPELINE

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### 2.1 CONTEXT

### 2.2 WHY GITHUB ACTIONS?

My repository is located on Github, so setting up a pipeline is currently the most effective way to create a functional CI/CD pipeline.

### 2.3 PIPELINE SET UP

## 3 PORTAINER

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### 3.1 NGINX PROXY MANAGER

### 3.2 PROMETHEUS

### 3.3 GRAFANA

### 3.4 WATCHTOWER

Watchtower is an application that constantly monitors your running containers for changes to the image. When you push an update to your Docker registry, Watchtower detects the changes and pulls down the new copy of the image. It will then restart the container using the new image and the same start options as the original.

## 4 CONCLUSION

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