

# Pull Requests in Multibranch Pipeline

Video 5.4

# What you will learn in this video

## Theory:

- Pull request

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## Practice:

- Create a pull request on GitHub

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- What happens in a multibranch pipeline when a pull request is initiated

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## Theory:

- Pull request

## Practice:

- Create a pull request on GitHub
- What happens in a multibranch pipeline when a pull request is initiated
- Inspect a failing pipeline with Blue Ocean

# Pull Request

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- The code maintainer **reviews** the change and can **approve** it and **merge** the code into the main branch
- The pull request can **trigger tests in a CI workflow**
- Pull requests are very useful for **discussing, reviewing, and documenting code changes**



- Configure scan repository trigger in the multibranch pipeline job

# Demo

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- Inspect the pipeline visualisation to debug failed stages

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- Create a new branch in GitHub
- Modify the Jenkinsfile to make a stage fail
- Create a pull request in GitHub
- Check what happens in the multibranch pipeline when a pull request is initiated
- Inspect the pipeline visualisation to debug failed stages
- Check how the failing build is displayed in GitHub

# Review & Exercises



## What you learnt in this section

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### Theory

- What is Blue Ocean

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- What is Blue Ocean
- Advantages of using Blue Ocean

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## Practice

- Blue Ocean installation

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- What is Blue Ocean
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## Practice

- Blue Ocean installation
- Create a multibranch pipeline with Blue Ocean



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## Theory

- What is Blue Ocean
- Advantages of using Blue Ocean

## Practice

- Blue Ocean installation
- Create a multibranch pipeline with Blue Ocean
- Automatic interaction between Jenkins and GitHub in multibranch pipeline

# Exercises and Solutions

Test what you learnt at

[https://github.com/cirulls/hands-on-jenkins/blob/master/section\\_5/exercises](https://github.com/cirulls/hands-on-jenkins/blob/master/section_5/exercises)

# Next Section

Section 6 Integration with Cloud Platforms

