LU04c - Sample project with Jenkins commit pipeline

Internal reference: learningunits/04-3.md

Goals

- 1. I can configure Jenkins with required plugins.
- 2. I can set up a stage for checkout as a Jenkins Pipeline.
- 3. I can set up a stage for installing the runtime and testing the app as a Jenkins Pipeline.
- 4. I can fetch the Jenkins pipeline code from a repository and trigger that way the CI/CD Pipeline.
- 5. If there are any errors, I can analyze the error, suggest and test an initial workaround (troubleshooting).

Sample project Traffic Light

This sample project shows how to set up a pipeline in Jenkins for fetching the code from a repository and testing the app (in Node.js) with test cases. Remark: What is not shown is testing the app on your local machine.

- 1. Live-Demo: How to start and add test cases to the Traffic Light app.
- 2. Setup Node.js pipeline (Jenkins controller)
- 3. Setup a checkout pipeline
- 4. Install & Test pipeline
- 5. SCM-Pipeline in a file

Exercises

- 1. Setup Jenkins 02/02_Exercises/01-Exercise.md to 05-Exercise.md according to the learning objectives (see course repository).
- 2. If there is an error, read the message carefully, think about a solution and implement it.



15:05

From:

https://wiki.bzz.ch/ - BZZ - Modulwiki

Permanent link:

https://wiki.bzz.ch/en/modul/m324_aws/learningunits/lu04/lu04c?rev=176278350

Last update: 2025/11/10 15:05



https://wiki.bzz.ch/ Printed on 2025/11/11 01:20