SUPPLEMENT

Teacher's DevOps Course

Number of Hours	108
Number of ECTS Credits	3.5

LEARNING CONTENT

Advanced topics:

Source Control: Git + GitHub: Teamwork on repo in GitHub with pull requests and peer reviews

Linux: Install and configure server Linux distributive and run some web projects: back-end + front-end

Bash Scripting: Create a bash deployment script

Web Application Architecture: Deploy Java/PHP project

Networking: TCP-IP Model.

Cloud Computing: Infrastructure as Code

Version Control: Git, GitHub

Docker: Split project and run inside containers

CI/CD: Setup CI for a project with source code on GitHub, GitHub Action, or alternative

LEARNING OUTCOMES:

The graduate is able to:

- create a repo in GitHub with pull requests and peer reviews
- Install and configure server Linux distributive and run some web projects: back-end + front-end
- Split project and run inside containers
- create a bash deployment script
- Setup CI for the project with source code on GitHub, GitHub Action, Jenkins or alternative
- Set up CI/CD for a project on GitHub, Jenkins

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