

# Containerizing HELIPORT - Development and Deployment with Docker

*Wednesday 14 June 2023 09:45 (30 minutes)*

The workshop contribution provides a comprehensive overview of how Docker can be used as a tool for containerizing the HELIPORT software. The aim is to offer developers a fast and easy way to launch a local instance of HELIPORT in development mode and start coding directly. Additionally, a container configuration is provided for productive deployment.

For this purpose, the individual components of HELIPORT are isolated in separate Docker containers. The required software dependencies for the software operation are already installed within the underlying container images, relieving developers from this task. The use of Docker also ensures software portability across various operating systems. Furthermore, the Docker configuration allows for individual customization for productive operation of HELIPORT, accommodating specific requirements such as certificates or secure access to specific areas of the application. The process isolation and targeted resource management provide advantages, particularly in productive environments, for secure software operation.

## Type

Talk

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