



Official Docker: Docker for Enterprise Developers

Duration 2 day(s) (DOCKER-ENT-DEV)

Docker for developers relying on UCP and DTR

Official Training



Description

This official 2-day training is for developers who want to develop distributed applications based on Docker's Enterprise solutions, namely Docker Trusted Registry and Universal Control Plane.

Goals

- Understand issues and attention points of application development using Docker
- Use DTR to manage your Docker images
- Use UCP to deploy your distributed applications

Public

Platform operator, Infrastructure-aware developer

Prerequisites

Basic knowledge of Linux, SSH and command lines, It is necessary to have a prior knowledge of Docker (Life cycle of containers, images, volumes, knowledge of docker networks, use of Docker Hub).

Structure

40% Theory, 60% Practice

Program

- Distributed application architecture
 - Issues, points of attention and patterns
- Develop applications based on Docker
 - Docker and application source code
 - Debugging with Docker
 - Use Compose for multi-component applications
 - Docker as test facilitator
 - Discovery of Services
 - HealthChecks
 - Defensive programming
 - Log management and error handling
 - Building an image in several stages
 - Docker Swarm and Routing Mesh - Secrets Management
 - Management of the configuration of the applications
- Development Pipeline Overview
- Docker Datacenter and Universal Control Plane
 - Introduction
 - Http Routing Mesh
- Docker Trusted Registry
 - Introduction
 - Content Trust
 - Image audit
 - Automating the creation of images
 - Image promotion management strategies / tag and version management
 - Image Building Servers