

Install Jenkins with Docker

Video 1.6

What you will learn in this video

- What is Docker
- How to install Jenkins with Docker

Prerequisites - Docker

- Download it and install it from
<https://docs.docker.com/engine/installation/#supported-platforms>
- Available on Windows 10, MacOS, and Linux
- Use the Docker Community Edition (CE) stable to start

What is Docker

- Docker is a technology to build, ship, and deploy software
- Docker packages all the software dependencies in an image
- Docker isolates processes and resources in a container

Main advantages of using Docker

- All software dependencies are packaged
- Build it once, run it everywhere
- Docker containers are lightweight

Install Jenkins with Docker

Pull official Docker image for Jenkins LTS

```
docker pull jenkins/jenkins:lts
```

Start Docker container

```
docker run -p 8080:8080 -p 50000:50000 -v jenkins_home:/var/jenkins  
↪ jenkins/jenkins:lts
```

Start Docker container in detached mode

```
docker run -p 8080:8080 -p 50000:50000 -v jenkins_home:/var/jenkins  
↪ -d jenkins/jenkins:lts
```

Review & Exercises

What you learnt in this section

Theory

- What is Jenkins
- What is Jenkins used for

Practice

- Installation on Windows, MacOS, and Linux
- Installation with Docker

Exercises and Solutions

Test what you learnt at

https://github.com/cirulls/hands-on-jenkins/blob/master/section_1/exercises

Next Section

Section 2 Tour of Jenkins

