

Continues Integration with Docker and Jenkins (SB5-MAI)

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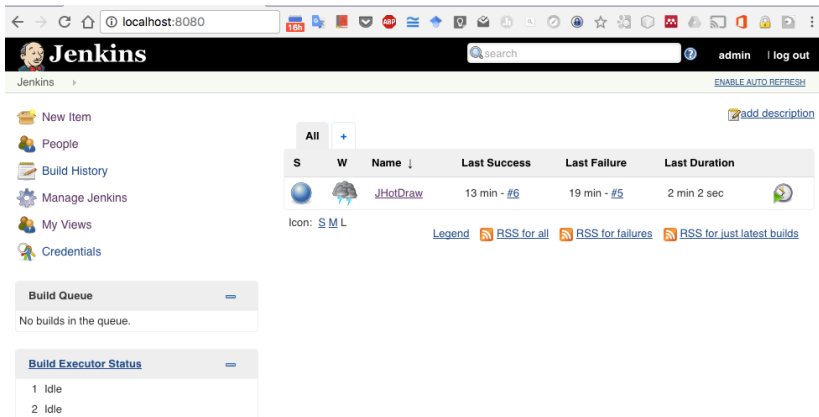
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Install Jenkins using Docker

- ▶ Go to [Docker Platform] and install Docker
- ▶ Read [Getting Started with Docker]
- ▶ Go to [Official Jenkins Docker image]
- ▶ Open terminal and run `''docker run -p 8080:8080 -p 50000:50000 jenkins''`
- ▶ Go to `http://localhost:8080`
- ▶ Follow guide and copy generated password from Terminal.

Find Jenkin at localhost



localhost:8080

Jenkins




search admin log out

Jenkins

[ENABLE AUTO REFRESH](#)

[add description](#)

All +

S	W	Name ↓	Last Success	Last Failure	Last Duration
		JHotDraw	13 min - #6	19 min - #5	2 min 2 sec 

Icon: [S](#) [M](#) [L](#)

[Legend](#) [RSS for all](#) [RSS for failures](#) [RSS for just latest builds](#)

Build Queue —

No builds in the queue.

Build Executor Status —

1 Idle

2 Idle

JDK

JDK installations

JDK

Name

JDK

☒ Install automatically



Install from java.sun.com

Version Java SE Development Kit 8u102



☒ I agree to the Java SE Development Kit License Agreement

Delete Installer

Ant

Ant installations

Ant

Name

ant

☒ Install automatically



Install from Apache

Version

1.9.7



Add Installer



Delete Installer

Add Ant

Delete Ant

List of Ant installations on this system

Install Git

Git

Git installations



Git

Name

Default

Path to Git executable

git



☐ Install automatically



Delete Git

Create Freestyle Project

Enter an item name

» Required field



Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.



Pipeline

Orchestrates long-running activities that can span multiple build slaves. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.



External Job

This type of job allows you to record the execution of a process run outside Jenkins, even on a remote machine. This is designed so that you can use Jenkins as a dashboard of your existing automation system.



Multi-configuration project

Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.



Folder

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.



GitHub Organization

Scans a GitHub organization (or user account) for all repositories matching some defined markers.



Multi-branch Pipeline

Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

Project Build

Build

Invoke Ant

X

?

Ant Version

ant

Targets

jar

▼

?

Build File

jhotdraw7.2/build.xml

▼

?

Properties

▼

?

Java Options

▼

?

Add build step ▼

Project SCM

Source Code Management

☐ None

☒ Git

Repositories

Repository URL

https://github.com/cses-sdu-dk/SB5-MAI-E16.git

Credentials

corfixen/*****

Add

Advanced...

Add Repository

Branches to build

Branch Specifier (blank for 'any')

*/master

Add Branch

Repository browser

(Auto)

Additional Behaviours

Add