

Jenkins Installation with Docker

Step 1: Pull the Jenkins LTS Docker image:

bash

docker pull jenkins/jenkins:lts

Step 2: Run Jenkins in a Docker container:

Bash in same line

docker run -d -p 8080:8080 -p 50000:50000 --name jenkins -v jenkins_home:/var/jenkins_home -v //var/run/docker.sock:/var/run/docker.sock jenkins/jenkins:lts

Step 2.1 Check if the Jenkins container is running:

docker ps

Step 3 Access Jenkins:

- **Open a browser and go to <http://localhost:8080>.**
- Follow the on-screen instructions to unlock Jenkins. The initial password can be found in the container logs: **docker logs jenkins**

Step 4: Install Required Plugins

1. After logging in to Jenkins, install the necessary plugins:
 - **Pipeline**
 - **Docker Pipeline**
 - **GitHub Integration**
2. Use the Manage Jenkins > Plugin Manager section to search for and install these plugins.