

Jenkins

Set up local Jenkins CI/CD server with Docker for KitchenMate

1. Pull latest Jenkins image

```
docker pull jenkins/jenkins:latest
```

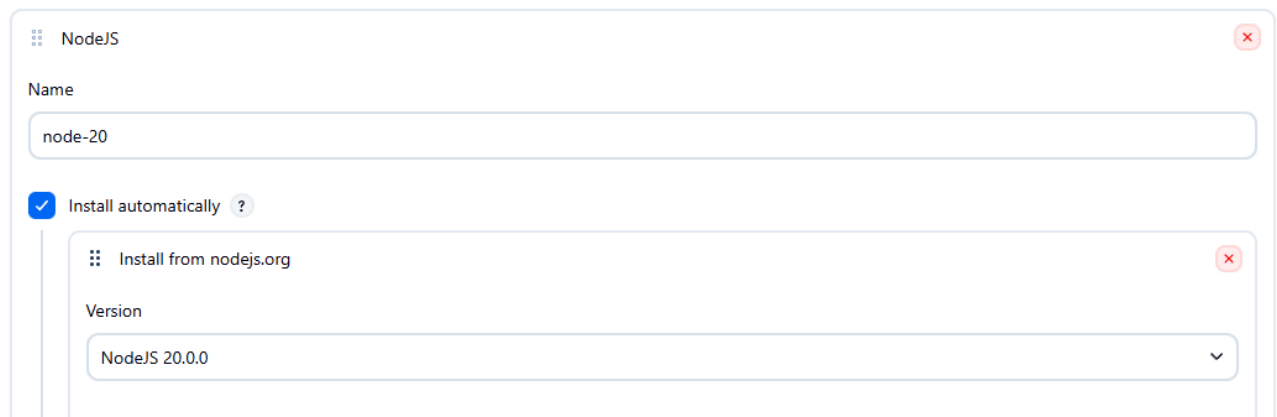
2. Create container with parameters

```
docker run -d -p 9000:8080 -p 50000:50000 --name km_jenkins -v  
km_jenkins_vol:/var/jenkins_home jenkins/jenkins:latest
```

3. Open up localhost:9000 on browser
4. Get default admin password

```
docker exec -it km_jenkins cat /var/jenkins_home/secrets/initialAdminPassword
```

5. Login with the default password
6. Install suggested plugins + NodeJS, Docker, Docker Pipeline
7. Create your first user
8. Configure NodeJS tool



The screenshot shows the Jenkins configuration page for a NodeJS tool. The title is "NodeJS". There is a "Name" field with the value "node-20". Below it, the "Install automatically" checkbox is checked. Under this, there is a section titled "Install from nodejs.org" with a "Version" dropdown menu set to "NodeJS 20.0.0".

9. Create a job -> Give name -> Item type: Pipeline
10. In general section of configuration, give url to GitHub Project,
11. In triggers section toggle Github Trigger, it will poll Github repository after pushing to repo
12. In pipeline section, define script from SCM (Git), give repo url and only build master branch
13. Write jenkinsfile script (see repository root for file)
14. Run your pipeline

