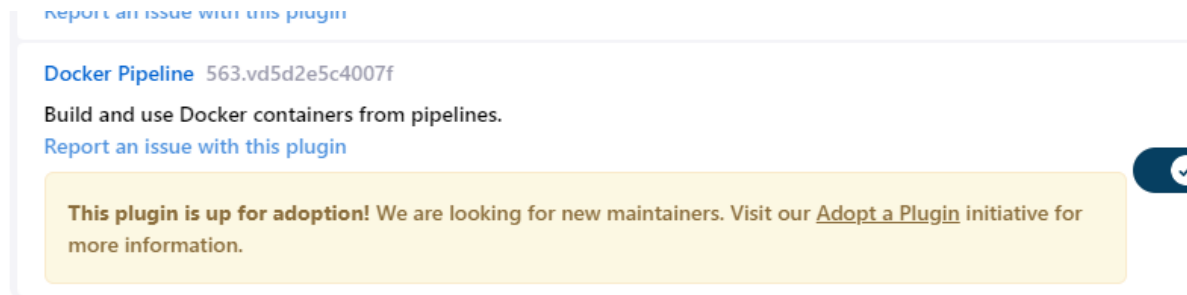


Build Jenkins Pipeline using docker and Kubernetes

Install Docker plugin



report an issue with this plugin

Docker Pipeline 563.vd5d2e5c4007f

Build and use Docker containers from pipelines.

Report an issue with this plugin

This plugin is up for adoption! We are looking for new maintainers. Visit our [Adopt a Plugin](#) initiative for more information.

On ubuntu server install docker

```
sudo apt install apt-transport-https ca-certificates curl software-properties-common
```

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
```

```
echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

```
sudo apt install docker-ce
```

```
sudo systemctl status docker
```

Change the permission for Jenkins user

```
sudo usermod -a -G docker jenkins  
sudo chown jenkins:docker /var/run/docker.sock  
sudo chmod 660 /var/run/docker.sock
```

create a registry

```
docker run -d -p 5000:5000 --restart=always --name registry registry:2
```

Create a pipeline

And select option "pipeline with scm"

Provide this git link <https://github.com/amitopenwriteup/cicd.git>

Jenkins file name : jenkinsfile

The image shows a screenshot of the Jenkins pipeline configuration interface. The "Definition" section is set to "Pipeline script from SCM". Under the "SCM" section, "Git" is selected. A "Repositories" section is expanded, showing a "Repository URL" field with the value "https://github.com/amitopenwriteup/cicd.git". The "Credentials" field is set to "- none -". There is an "Add" button and an "Advanced" dropdown menu. Below the "SCM" section, the "Script Path" field is set to "jenkinsfile". The "Lightweight checkout" checkbox is checked. A "Pipeline Syntax" link is visible at the bottom.

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ? ✕

https://github.com/amitopenwriteup/cicd.git

Credentials ?

- none -

Add

Advanced

Script Path ?

jenkinsfile

Lightweight checkout ?

[Pipeline Syntax](#)