

Phase5-practice project

Setting up jenkins pipeline to deploy docker swarm

Writeup

- As you have worked on Docker containers previously, your manager has asked you to perform container scheduling over multiple hosts using Docker CLI and connect multiple hosts with Docker containers.
- Jenkins: To create a pipeline to deploy Docker Swarm
- Docker Swarm: To implement container networking
- Git: To connect and push files from the local system to GitHub
- GitHub: To store the Angular application
- Jenkins provides many plugins which can be used to transfer the build files to the respective application or web server after a successful build, for example, the "**Deploy to container**" plugin.
- This plugin takes a war or ear file and then it deploys to a running remote application server at the end of a build.
- Go to the manage Jenkins -> Manage Plugins. Go to the **Available** tab and filter for "**Deploy to container**" plugin.
- Go to your created build project and click on the **Configure** option from the left-side of the panel.
- On the configuration page, scroll down and click on **Add post-build action** button. Select **Deploy war/ear to a container** option.
- In the **Deploy war/ear to a container** section, enter the information of the server on which the files need to be deployed.
- Now select **Build Now**.