Starting with Jenkins and Docker

Introduction

- Jenkins is an open-source automation tool written in Java that helps in automating various aspects of software development, such as building, testing, and deploying code. Jenkins supports continuous integration (CI) and continuous delivery (CD), making it popular for automating software workflows.

- Docker is an open-source platform used to automate the deployment, scaling, and management of applications inside lightweight containers. Docker allows developers to package an application with all its dependencies and ship it as one unit.

Why Use Jenkins and Docker Together?

Using Jenkins and Docker together allows developers to automate their CI/CD pipelines while isolating build environments inside containers. Docker ensures that Jenkins jobs run in consistent environments, eliminating dependency conflicts between builds.
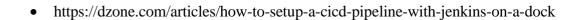
Useful Links

Jenkins Documentation:

- Jenkins Official Documentation: https://www.jenkins.io/doc/

- Installing Jenkins: https://www.jenkins.io/doc/book/installing/

Docker Documentation:

- Docker Official Documentation: https://docs.docker.com/

- Docker Install Instructions: https://docs.docker.com/get-docker/

Extra Links:

- https://dzone.com/articles/how-to-setup-a-cicd-pipeline-with-jenkins-on-a-dock

- Jenkins Pipelines with Docker: https://www.jenkins.io/doc/book/pipeline/docker/