

Automating a Python Application Build using Jenkins

1. Install Jenkins and required plugins (Pipeline, Git, Build Tools).
2. Create a new Jenkins job (Freestyle or Pipeline).
3. Configure Jenkins to pull code from GitHub.
4. Install dependencies and run tests.
5. Build and archive artifacts.

Deploy a Python Flask App using Docker

Goal: Containerize a simple Flask web application and run it using Docker

Kubernetes

Exercise 1: Deploy an Nginx Pod

Objective: Deploy a simple Nginx pod and access it.

Objective: Create an Nginx deployment and scale it up