Final Project: CI/CD pipeline

EPAM DevOps external course

Oleg Romanov

Personal Facts

I am a computer enthusiast. My passion for computers started with assembler coding for Sinclair ZX-Spectrum.

There is a whole dozen of binaries and protocols in my personal list of reverse-engineered stuff.

Two servers in my homelab store my data with high reliability and availability. They also provide services to facilitate media consumption for my family.

EPAM DevOps course helped me to discover clouds and now I am actively exploring its possibilities.

I smoke, but I want to quit)

Project Description

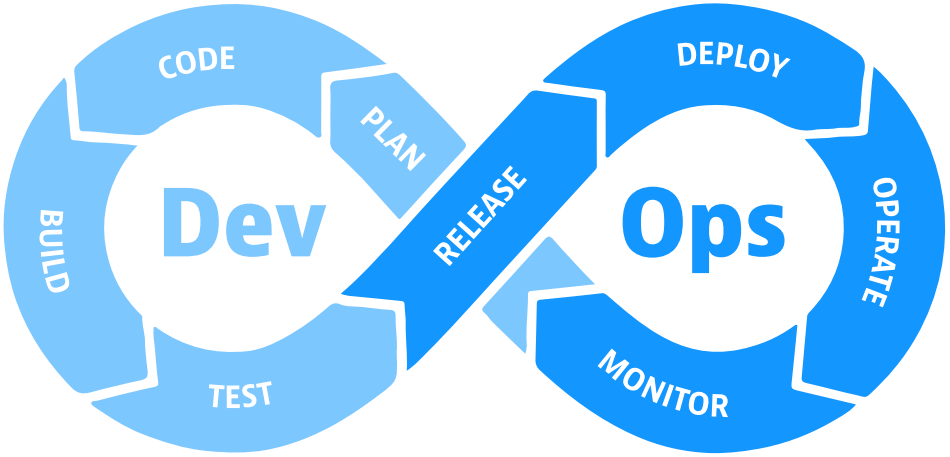
Theme

Zero-Downtime Deployment of a Web Application

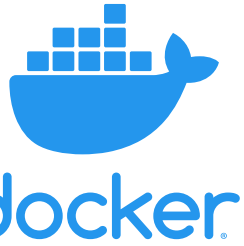
Project Goals

Get familiar with DevOps tools and technologies in order to:

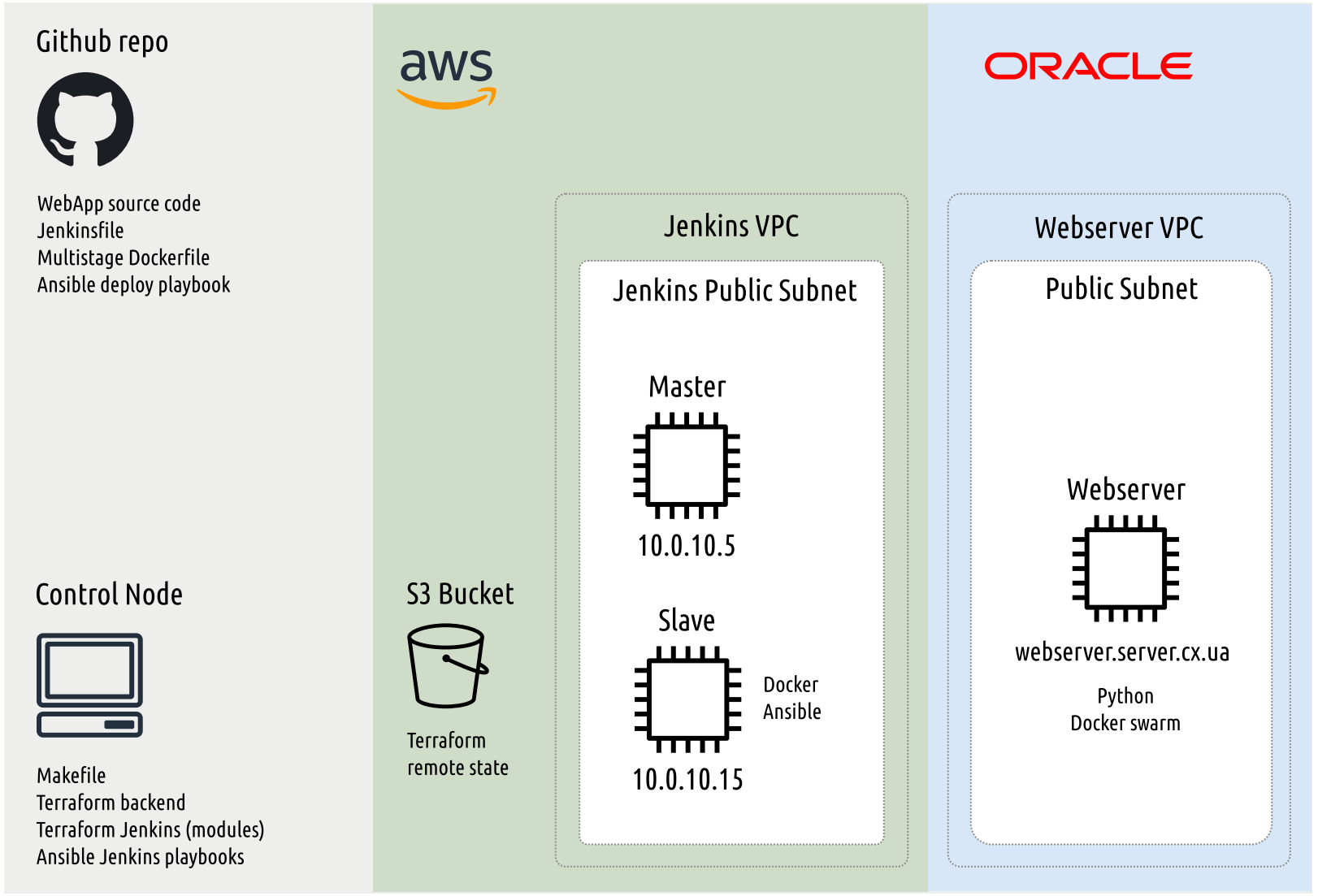
- automate Jenkins infrastructure deployment
- build a CI/CD pipeline with Zero-Downtime deployment



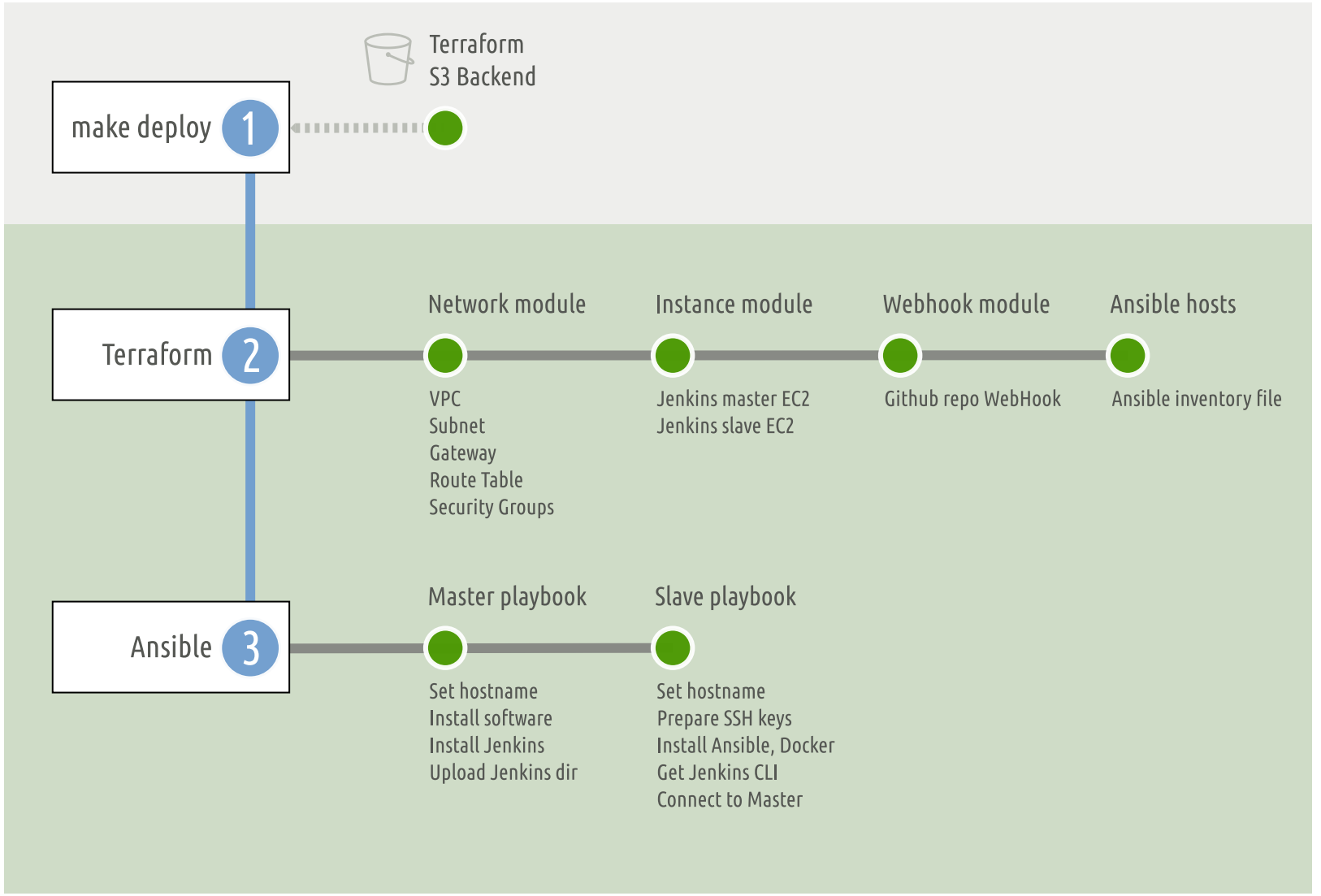
Technology Stack



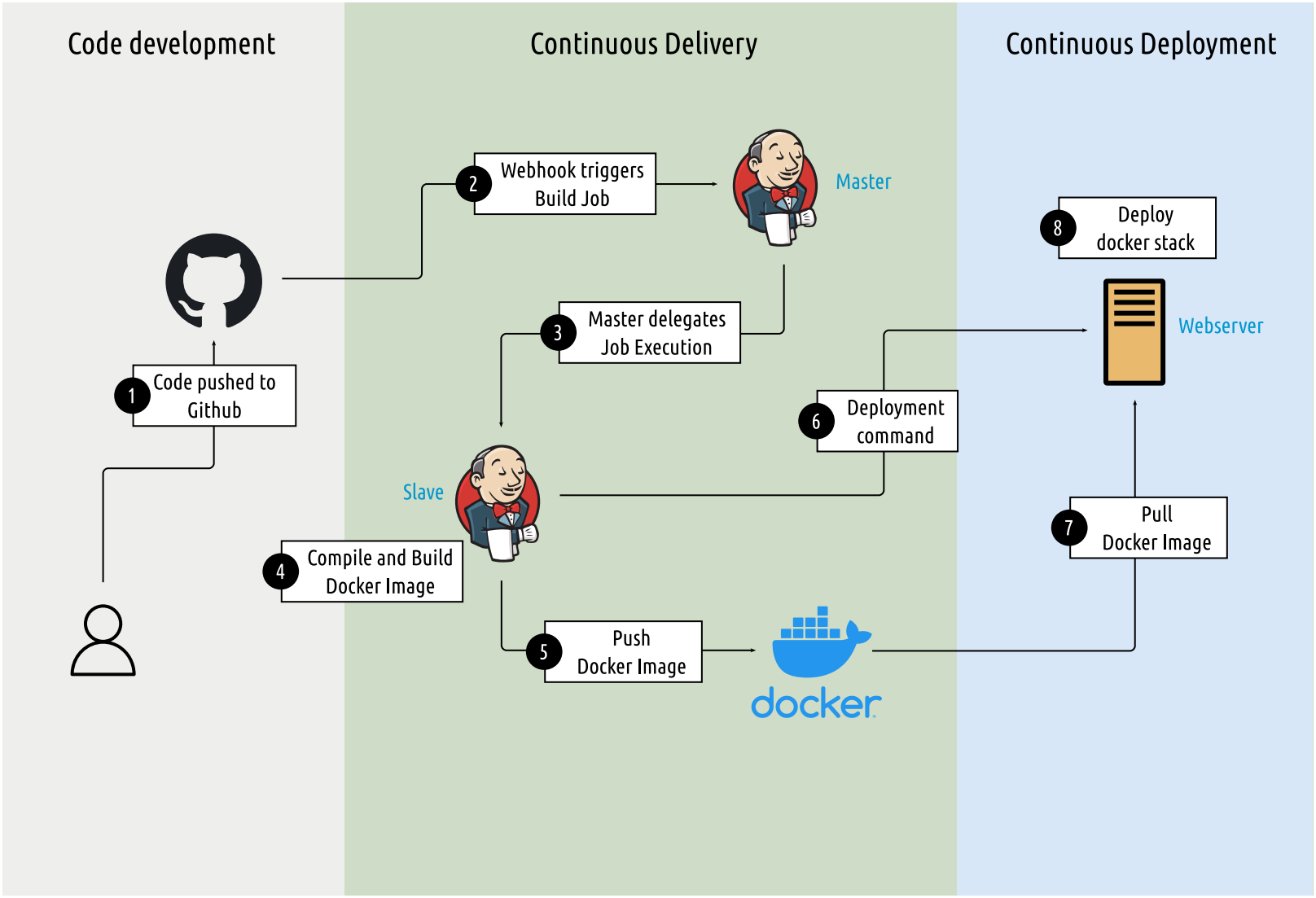
Project Infrastructure



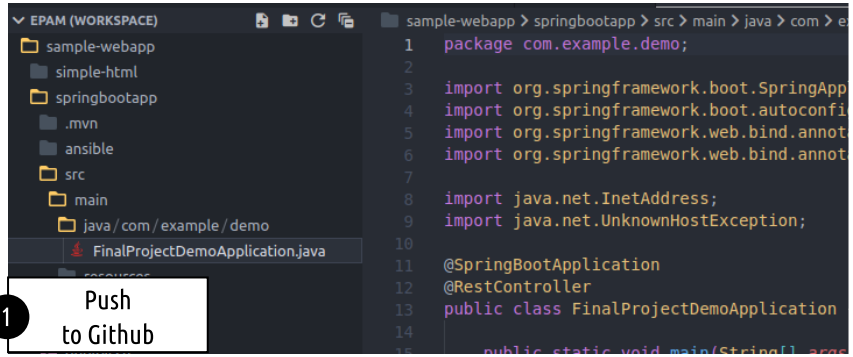
Infrastructure Provisioning

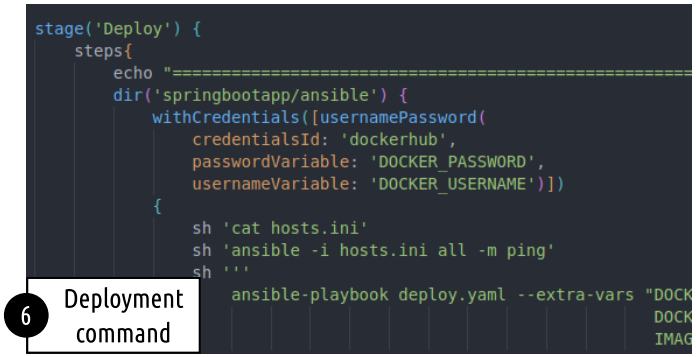


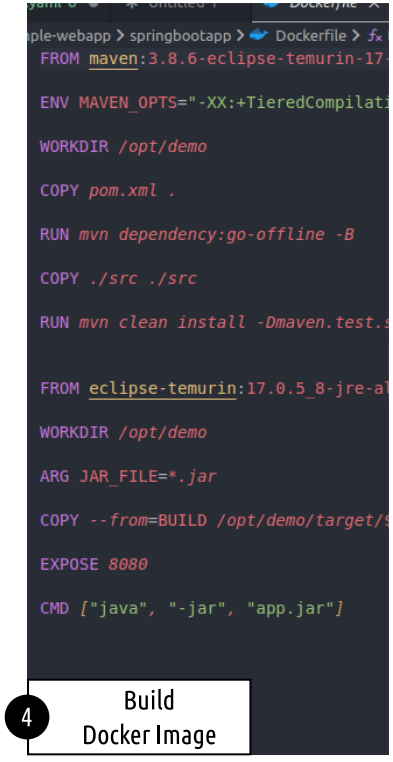
CI/CD Outline

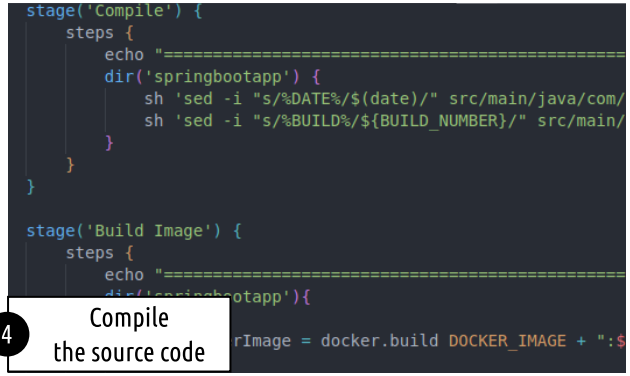


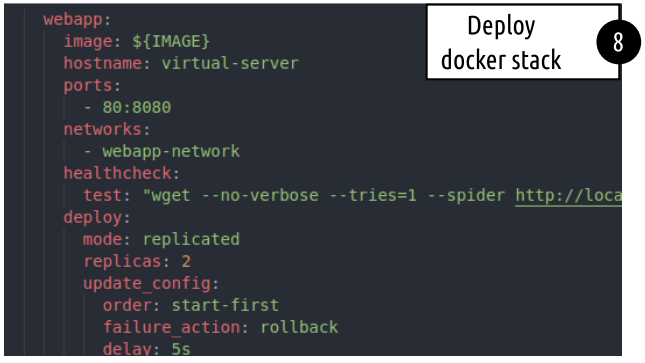
CI/CD Details

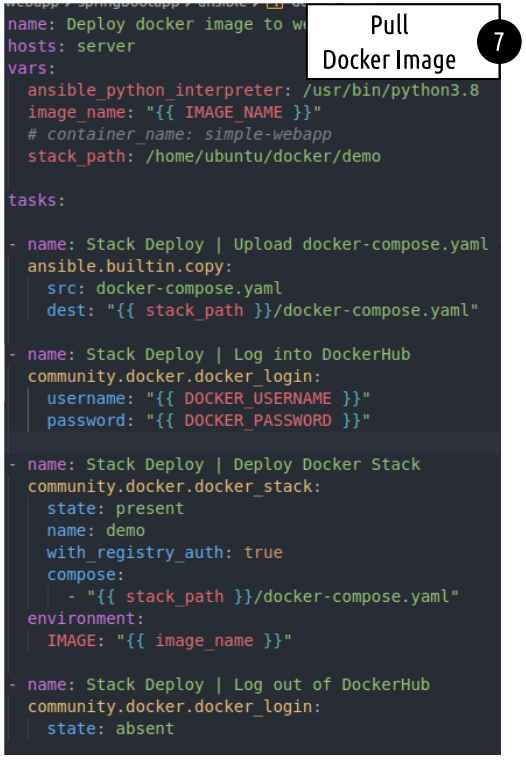












Final Project: Live Demonstration

Thank you!

INKSCAPE

Draw Freely.