



DEPLOYING WITH DOCKER

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Project Overview

Over the past few weeks you have looked at deploying an entire CI environment using puppet and auxiliary tools.

This project acts as a comparison to the previous, looking at how we can deploy a Build server using Docker and containerisation to manage these tools.

You are tasked with utilising Docker and the Dockerfile to deploy the following tools onto an AWS instance provided to you by your trainer. Your main objective is to ensure each of the below tools, runs in a separate container, that has been hand created (using the Dockerfile) by a member of your team.

You can also incorporate the use of docker-compose to manage the deployment of all your containers at once.

The modules you need to be configuring include;

- Jenkins
- Jira
- Nexus
- Zabbix
- UrbanCode-Deploy

These should all be configured using a swam setup, to ensuring you have disaster recovery in place for your containers.

You should link and configure the tools fully for demonstration, as previously shown to you by your trainer.

Deliverables

The deliverables are as follows:

You will demo your project to your trainer on completion. You should be able to clearly explain each individual component that you have created, and why you chose the steps you made.