

### **Abbreviations**

AWS - Amazon Web Services

CI - Continuous Integration

### **Project Overview**

Successfully deploy Docker containers within AWS Environment.

Ansible will be used to configure Docker within AWS.

Project will comply with CI pipeline and hosted on cloud platform, ensuring that configured systems have no issues within live operations.

### **Selected Tools** (Docker)

**Jenkins:** CI Tool

**Git:** Code Review Tool

**Maven:** Build Management Tool

**Zabbix:** Monitoring Tool

**Nexus:** Artifact Repository

**Jira:** Project Tracker

### **Required Tasks** (Status)

- 1) Shared team source code repository for uploading work & sharing documents ✓
- 2) Maintain repository during project ensuring all content is uploaded and up to date ✓
- 3) Flow diagram on container design, selected tools used & integration within CI pipeline ✗
- 4) User stories with actors and their primary system interaction process using a shared webpage project task board using Trello ✗
- 5) Research gathering for different approaches to install Docker on AWS ✗
- 6) Produce technical dictionary with commands executed and clarifications on chosen implementation approach ✗
- 7) Install Jira using Docker container within AWS Environment as proof of concept ✗
- 8) Create group presentation outlining required five set deliverables ✗
- 9) EC2 Instances recovery implementation procedure to backup & restore project environment state ✗
- 10) Complete deployment project before 23/06/17 ✗