

PROJECT SPECIFICATION

Capstone- Cloud DevOps**Set Up Pipeline**

CRITERIA	MEETS SPECIFICATIONS
Create Github repository with project code.	All project code is stored in a GitHub repository and a link to the repository has been provided for reviewers.
Use image repository to store Docker images	The project uses a centralized image repository to manage images built in the project. After a clean build, images are pushed to the repository.

Build Docker Container

CRITERIA	MEETS SPECIFICATIONS
Execute linting step in code pipeline	Code is checked against a linter as part of a Continuous Integration step (demonstrated w/ two screenshots)

CRITERIA	MEETS SPECIFICATIONS
Build a Docker container in a pipeline	The project takes a Dockerfile and creates a Docker container in the pipeline.

Successful Deployment

CRITERIA	MEETS SPECIFICATIONS
The Docker container is deployed to a Kubernetes cluster	The cluster is deployed with CloudFormation or Ansible. This should be in the source code of the student's submission.
Use Blue/Green Deployment or a Rolling Deployment successfully	The project performs the correct steps to do a blue/green or a rolling deployment into the environment selected. Student demonstrates the successful completion of chosen deployment methodology with screenshots.

Suggestions to Make Your Project Stand Out!

1. Perform additional CI steps in the pipeline outside of just linting.
 2. Perform security scanning of the Docker containers
 3. Post-deployment add testing of your application
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