UDACITY

[<] **Return to Classroom**

Capstone- Cloud DevOps

REVIEW
CODE REVIEW
HISTORY

Meets Specifications

If you want to become an expert in kubernetes I recommend this book

https://www.amazon.com/-/es/STEVE-D-POUNTOL/dp/B087SLMTCD

Narotham great job!!! Congratulations on your graduation, this is a great accomplishment

Jenkins X Key Takeaways from Jenkins World 2019

https://jenkins-x.io/blog/2019/09/03/jenkinsworld-2019-takeaways/

Managing Jenkins X Kubernetes Clusters Using Infrastructure as Code With Terraform

https://jenkins-x.io/blog/2019/04/03/terraform-jenkins-x/

Kubernetes

Kubernetes in 5 mins

https://youtu.be/PH-2FfFD2PU

Kubernetes for Beginners

https://youtu.be/1lgsQ3PKz9M

Kubernetes vs. Docker: It's Not an Either/Or Question

https://youtu.be/2vMEQ5zs1ko

Set Up Pipeline

All project code is stored in a GitHub repository and a link to the repository has been provided for reviewers.

Very good ⭐

Suggestions

This is an excellent video on how to write even better READMEs https://www.youtube.com/watch?v=PC05prd2usY, check it out

The project uses a centralized image repository to manage images built in the project. After a clean build, images are pushed to the repository.

Narotham great job using docker cli directly. There is also a good alternative that you could use and it is the Docker Pipeline Plugin. This plugin installs docker and configure it for you so it can save time for you. This is the plugin https://go.cloudbees.com/docs/plugins/docker-workflow/

Build Docker Container

Code is checked against a linter as part of a Continuous Integration step (demonstrated w/ two

screenshots)

I recommend the following tutorial to understand better Blue Ocean and how to use it:
Jenkins World 2016 - Blue Ocean: A New User Experience for Jenkins
https://www.youtube.com/watch?v=mn61VFdScuk&feature=youtu.be

```
        }
    stage('Lint HTML Dockerfile') {
        steps {
            sh '''
              cd html
              ls
              tidy -q -e *.html
              cd ..
              hadolint Dockerfile
            '''
        }
    }
```

Narotham very good work!!. One improvement could be to also have an image scanning stage. This is important for analyzing the image for security

For security and for detecting bugs it is very important to perform image scanning. This is a best practice in the industry. For more info:
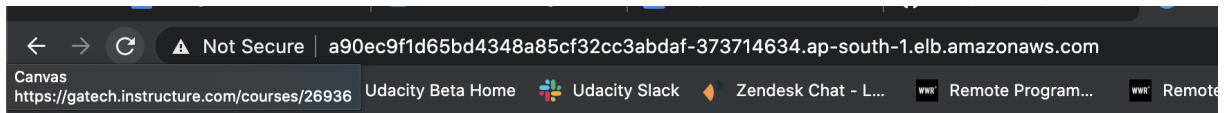
https://techbeacon.com/security/10-top-open-source-tools-docker-security
https://webinars.devops.com/image-scanning-best-practices-for-containers-and-kubernetes

The project takes a Dockerfile and creates a Docker container in the pipeline.

I recommend these FREE books that talk about how Google manages its DevOps
https://landing.google.com/sre/books/

← → C   ⚠ Not Secure   a90ec9f1d65bd4348a85cf32cc3abdaf-373714634.ap-south-1.elb.amazonaws.com

Canvas
https://gatech.instructure.com/courses/26936   Udacity Beta Home   Udacity Slack   Zendesk Chat - L...   Remote Program...   Remote

Hi , this is Narotham.

Narotham thank you for submitting the url of your website and for hosting it. This really helps us to review your project and also is a clear proof of your hard work

Successful Deployment

The cluster is deployed with CloudFormation or Ansible. This should be in the source code of the student's submission.

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.

Very good ⭐

Suggestions

How Netflix Thinks of DevOps
https://www.youtube.com/watch?v=UTKIT6STSVM

DevOps at Uber - Kiran Bondalapati
https://www.youtube.com/watch?v=CfGU7rKIqzo

⬇ DOWNLOAD PROJECT

RETURN TO PATH