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Deployment 1 Submission
September 1, 2022

Observations

Ubuntu EC2 fairly easy to set up. Made sure I had the correct IP address for my VM considering that on a Mac you cannot locate using the usual ipconfig command. Also ensured I selected the correct Application and OS images, after noticing a good amount of documentation points you to selecting Amazon Linux and using ec2-user for your instance user name.

Jenkins install was smooth, however the set up could have been easier. The user interface for the setup process was awkward to interact with.

Python install had no issues.

Jenkins Multibranch Pipeline creation had no issues. I did note having to refresh the window to get updates.

Encountered an issue with my .zip initially.

Note

If you use Mac OS X Finder to decompress the archive, a new top-level folder will be created, no matter how you structured the archive itself. For best results, use the command line.

ElasticBeanstalk I liked having the visual of the log showing the build. Also the health meter with details was helpful.

Url: https://github.com/LLBArch7/kuralabs_deployment_1.git

Elastic Beanstalk > Environments > Deploy1d-env

Deploy1d-env
Deploy1d-env-eba-mpq8pyh9-us-east-1.elasticbeanstalk.com [e-pw39es3yf]
Application name: Deploy1D

Refresh Actions

Health
Ok
Causes

Running version
deploy1d-source
Upload and deploy

Platform
Python 3.8 running on 64bit Amazon Linux 2/3.3.17
Change

Recent events
Show all

Time	Type	Details
2022-09-01 14:28:59 UTC-0400	INFO	Environment health has transitioned from Severe to Ok. Application update completed 60 seconds ago and took 25 seconds.
2022-09-01 14:27:23 UTC-0400	INFO	Environment update completed successfully.
2022-09-01 14:27:23 UTC-0400	INFO	New application version was deployed to running EC2 instances.

Deploy1d-env - Dashboard URL Shortener LLBArch7kuralabs_deployment_1: CICD pipeline deployment Workspace / [Jenkins]

URL Shortener API New URL

Website

Short Name

Website URL

Shorten

File

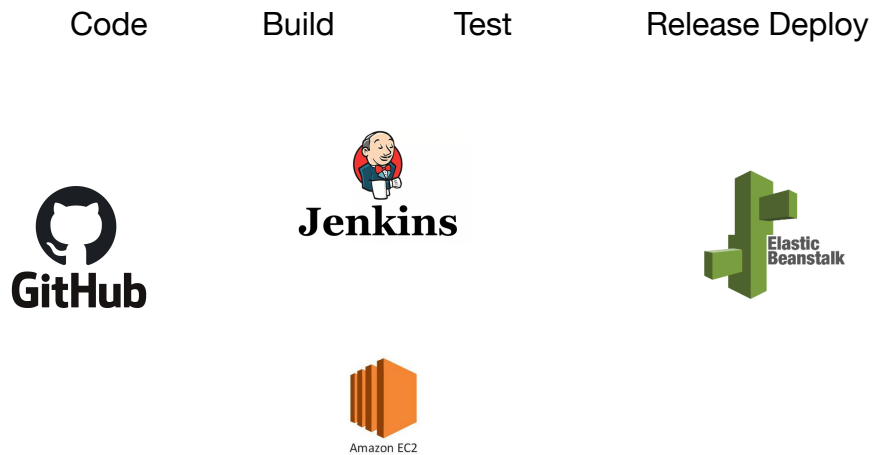
Short Name

Website URL

Choose File no file selected

Shorten

Diagram the pipeline



Recommendations for Improvement

- Script for installation and setting up of Jenkins.
- Possibly include in the first script install of python and its environment, or create a second script.
- Could possible write a script for this whole process, I would include safeguards and checks to provide notification of completion of or failure to complete steps.