

Project Title

Kura Labs Deployment 1.1

Description

Demonstrate your ability to run a Jenkins build and manually deploy to Elastic Beanstalk.

Issues and Outcomes

This deployment ran much smoother than yesterday. I was able to deploy Jenkins successfully.

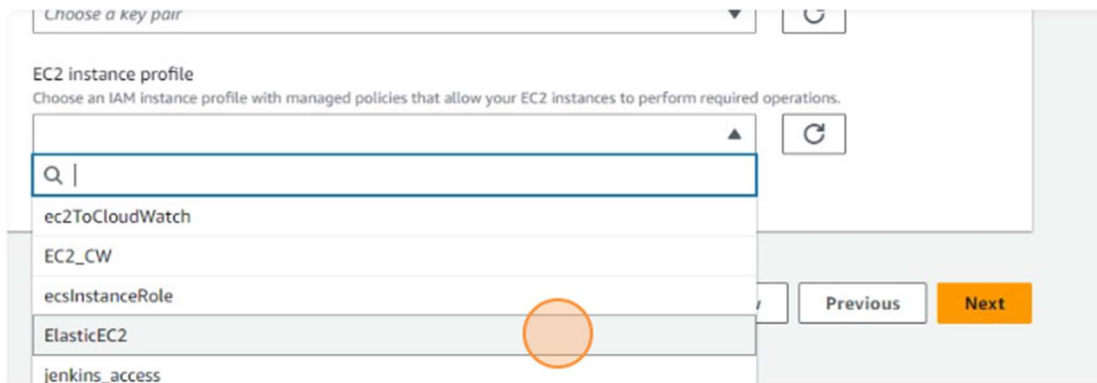
The screenshot displays the Jenkins web interface for a pipeline named 'Dominique_I 1.1'. The interface includes a left-hand navigation menu with options like 'Status', 'Changes', 'Build Now', 'Configure', 'Delete Pipeline', 'Full Stage View', 'Rename', and 'Pipeline Syntax'. The main content area shows the 'Stage View' for the pipeline, which consists of three stages: 'Declarative: Checkout SCM', 'Build', and 'test'. Each stage has a duration of 2s, 8s, and 593ms respectively. Below the stage view, there is a 'Build History' section showing a single build (#1) from August 16, 2023, at 20:40, with a status of 'No Changes'. The 'Permalinks' section is also visible at the bottom.

Stage	Declarative: Checkout SCM	Build	test
Average stage times:	2s	8s	593ms
(Average full run time: ~14s)			

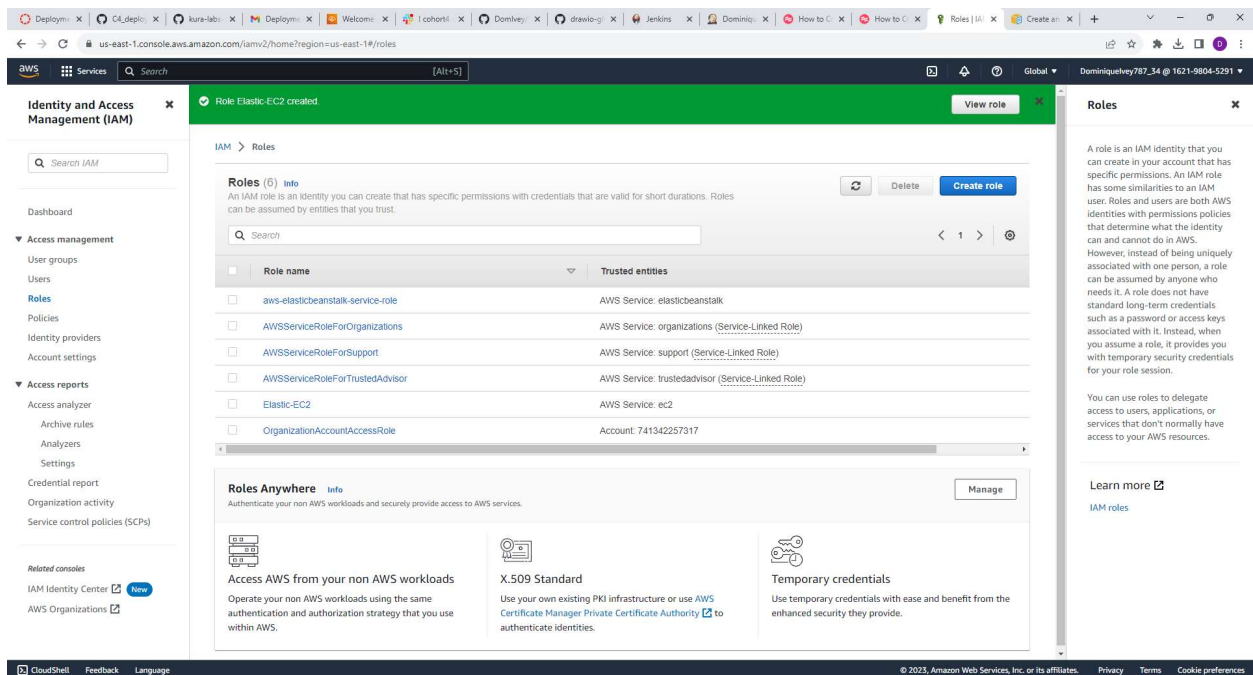
Build	Aug 16 20:40	No Changes
#1		

The main issue that I ran into was with my zipped folders, which is why I wasn't able to select the "ElasticEC2" option when setting up my Python Shortener on EB per the instructions.

17 Click "ElasticEC2"



What I did to fix this was create a new compressed zip file that included my downloaded files from the GitHub repository. Once I fixed this, I was able to proceed through the instructions and run EB successfully.



Installing

- Downloaded Instructor's files from GitHub and reuploaded to my GitHub repository.
- Created a new zip file

Programs Used

- Jenkins
- AWS Elastic Beanstalk
- GitHub
- Chat GPT
- Scribe

Help

I used Chat GPT to help find out why AWS EB had a degraded health status

The screenshot displays the AWS Elastic Beanstalk console interface. At the top, a green banner indicates 'Environment successfully launched.' The main content area is titled 'Url-shortener-env' and shows the environment's health status as 'Degraded' (indicated by a red icon). The 'Platform' section shows 'Python 3.9 running on 64bit Amazon Linux 2023/4.0.3' and 'Running version v1' with a 'Supported' status. The 'Events' section lists several events, including 'Successfully launched environment: Url-shortener-env' and 'Environment health has transitioned from Pending to Degraded. Initialization completed 13 seconds ago and took 2 minutes. Impaired services on all instances.'

Time	Type	Details
August 16, 2023 21:43:40 (UTC-5)	INFO	Successfully launched environment: Url-shortener-env
August 16, 2023 21:43:56 (UTC-5)	WARN	Environment health has transitioned from Pending to Degraded. Initialization completed 13 seconds ago and took 2 minutes. Impaired services on all instances.
August 16, 2023 21:42:36 (UTC-5)	INFO	Added instance [i-07f22aba791ba422] to your environment.
August 16, 2023 21:42:34 (UTC-5)	INFO	Instance deployment completed successfully.
August 16, 2023 21:42:29 (UTC-5)	INFO	Instance deployment successfully generated a 'Profile'.

/var/log/web.stdout.log

```
Aug 17 02:42:34 ip-172-31-65-221 web[2608]: [2023-08-17 02:42:34 +0000] [2608] [INFO] Worker exiting (pid: 2608)
Aug 17 02:42:34 ip-172-31-65-221 web[2604]: [2023-08-17 02:42:34 +0000] [2604] [ERROR] Worker (pid:2608) exited with code 3
Aug 17 02:42:34 ip-172-31-65-221 web[2604]: [2023-08-17 02:42:34 +0000] [2604] [ERROR] Shutting down: Master
Aug 17 02:42:34 ip-172-31-65-221 web[2604]: [2023-08-17 02:42:34 +0000] [2604] [ERROR] Reason: Worker failed to boot.
Aug 17 02:42:35 ip-172-31-65-221 web[2610]: [2023-08-17 02:42:35 +0000] [2610] [INFO] Starting gunicorn 21.2.0
Aug 17 02:42:35 ip-172-31-65-221 web[2610]: [2023-08-17 02:42:35 +0000] [2610] [INFO] Listening at: http://127.0.0.1:8000 (2610)
Aug 17 02:42:35 ip-172-31-65-221 web[2610]: [2023-08-17 02:42:35 +0000] [2610] [INFO] Using worker: gthread
Aug 17 02:42:35 ip-172-31-65-221 web[2614]: [2023-08-17 02:42:35 +0000] [2614] [INFO] Booting worker with pid: 2614
Aug 17 02:42:35 ip-172-31-65-221 web[2614]: [2023-08-17 02:42:35 +0000] [2614] [ERROR] Exception in worker process
Aug 17 02:42:35 ip-172-31-65-221 web[2614]: Traceback (most recent call last):
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:   File "/var/app/venv/staging-LQW1lest/lib64/python3.9/site-packages/gunicorn/arbiter.py", line 609, in spawn_worker
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:     worker.init_process()
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:   File "/var/app/venv/staging-LQW1lest/lib64/python3.9/site-packages/gunicorn/workers/gthread.py", line 95, in init_process
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:     super().init_process()
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:   File "/var/app/venv/staging-LQW1lest/lib64/python3.9/site-packages/gunicorn/workers/base.py", line 134, in init_process
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:     self.load_wsgi()
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:   File "/var/app/venv/staging-LQW1lest/lib64/python3.9/site-packages/gunicorn/workers/base.py", line 147, in load_wsgi
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:     self.wsgi = self.app.wsgi
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:   File "/var/app/venv/staging-LQW1lest/lib64/python3.9/site-packages/gunicorn/workers/base.py", line 157, in app
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:     self.config.set('app', self.load)
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:   File "/var/app/venv/staging-LQW1lest/lib64/python3.9/site-packages/gunicorn/workers/base.py", line 167, in load
Aug 17 02:42:35 ip-172-31-65-221 web[2614]:     return self.config.get('app')
```



The provided log snippets show the activity and status of an application deployment process using AWS Elastic Beanstalk. It seems like there are issues during the deployment process, specifically with the Gunicorn web server and related configurations. Let's break down the key points from the logs:

1. Gunicorn Worker Failures:

The primary error message that appears in the logs indicates that Gunicorn workers are failing to start due to a "ModuleNotFoundError: No module named 'application'". This suggests that there might be an issue with the configuration or setup of the Gunicorn application and its entry point module.

2. Multiple Worker Process Failures:

The logs show a repeated pattern of attempting to start Gunicorn workers (multiple times) and encountering the same "No module named 'application'" error for each worker process. This indicates that the issue is consistent and needs to be addressed to successfully start the workers.

Author

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