NWEN_243 Project 1

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Making a Docker Image

Figure 1: docker ps

Running and Testing Docker on EC2 instance

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| Communication | Communicatio
```

Figure 2: test from client

As can be seen in the Image above, the test to connect to the server running in the docker container was successful.

Pushing Docker image to a container registry

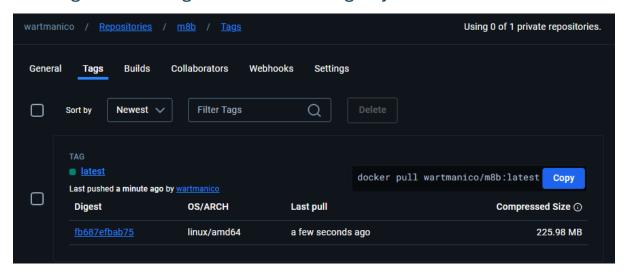


Figure 3: Docker Tag

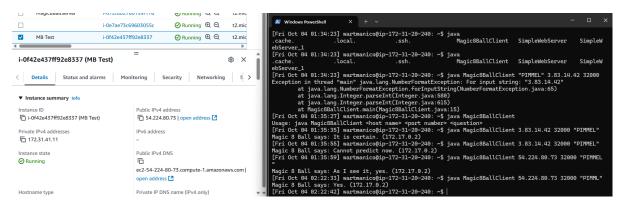


Figure 4: Testing docker image on second Instance

As can be seen above, I could successfully run the docker image on another EC2 instance.

Distributing the container – AWS ECS and Fargate

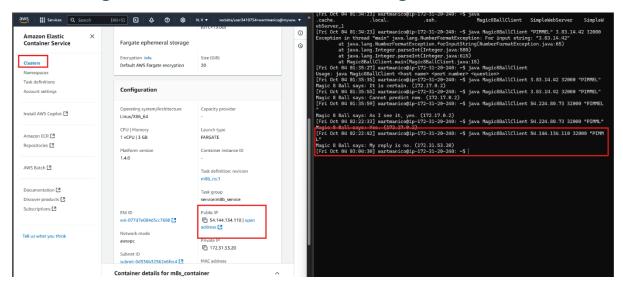


Figure 5: Test serverless setup from client

The screenshot above proves that the task is running and working. Therefore I succeeded creating the service in a serverless setup.

Questions

65.

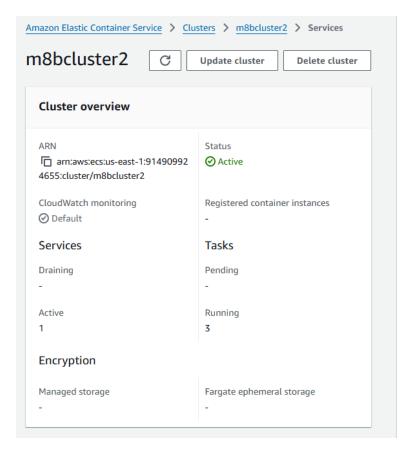


Figure 6: new cluster with 3 Tasks

```
[Sat Oct 05 00:17:10] wartmanico@ip-172-31-20-240: ~$ java Magic8BallClient 18.232.180.204 32000 "PIMM L"

Magic 8 Ball says: You may rely on it. (172.31.29.35)
[Sat Oct 05 02:36:22] wartmanico@ip-172-31-20-240: ~$ java Magic8BallClient 44.197.229.251 32000 "PIMM L"

Magic 8 Ball says: It is certain. (172.31.8.2)
[Sat Oct 05 02:36:40] wartmanico@ip-172-31-20-240: ~$ java Magic8BallClient 3.84.89.99 32000 "PIMML"

Magic 8 Ball says: Very doubtful. (172.31.87.38)
[Sat Oct 05 02:36:59] wartmanico@ip-172-31-20-240: ~$ |
```

Figure 7: tests from client to all Tasks

66. The Public IP of each task is different

67. A Load Balancer