Cloud Computing Lab 5 Report

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1 Installing Docker Engine on EC2 Instance

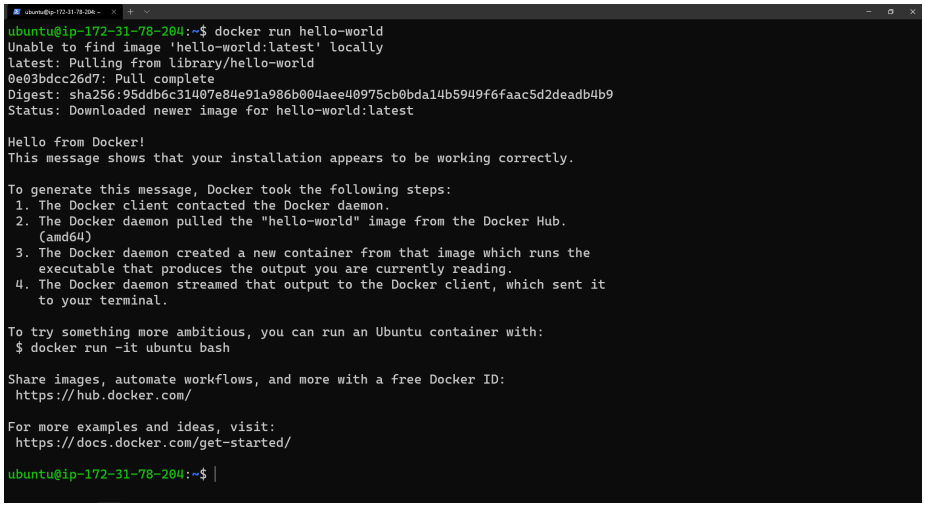

Figure 1: Running Docker Hello-World

2 Docker Images and Docker Files

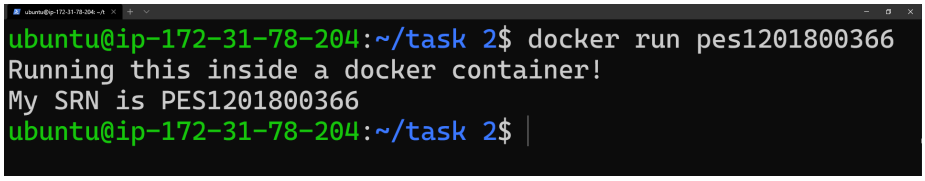

Figure 2: Running C Program inside Container

3 Exposing Ports and Docker Networks

Figure 3: Accessing web page on browser

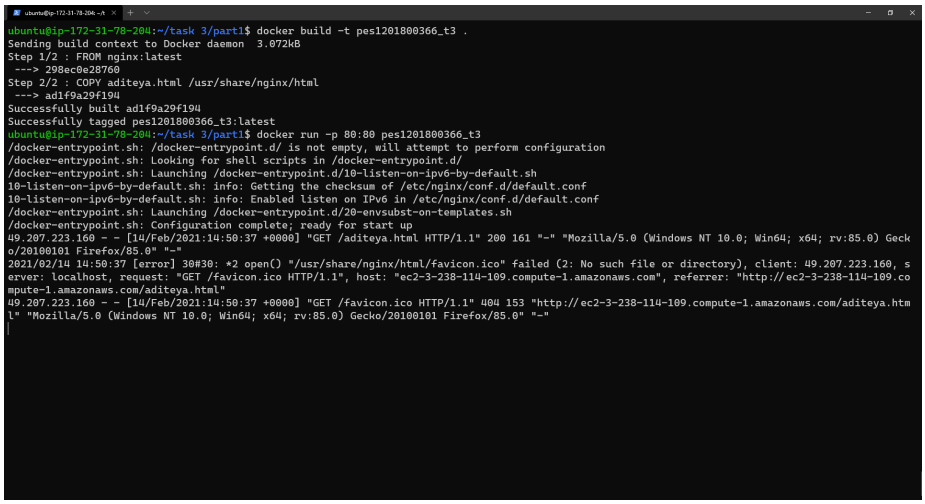

Figure 4: Docker container running nginx

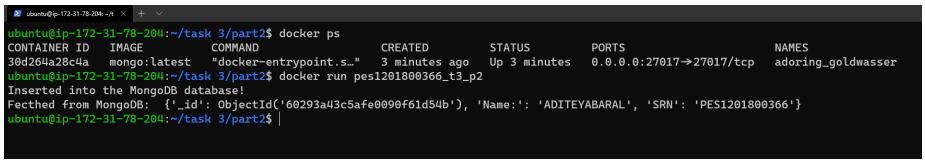

Figure 5: Read and write from MongoDB

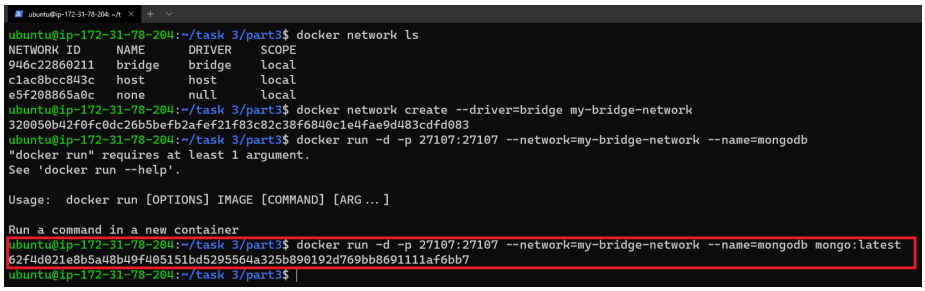

Figure 6: MongoDB running within network

Figure 7: Python file reading and writing from MongoDB within network

4 Docker Compose

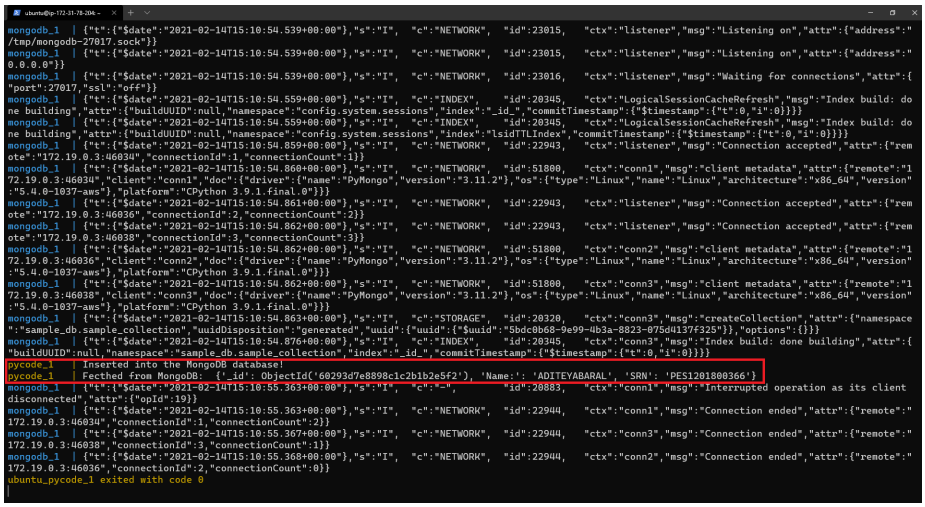

Figure 8: Python-MongoDB application running as docker-compose

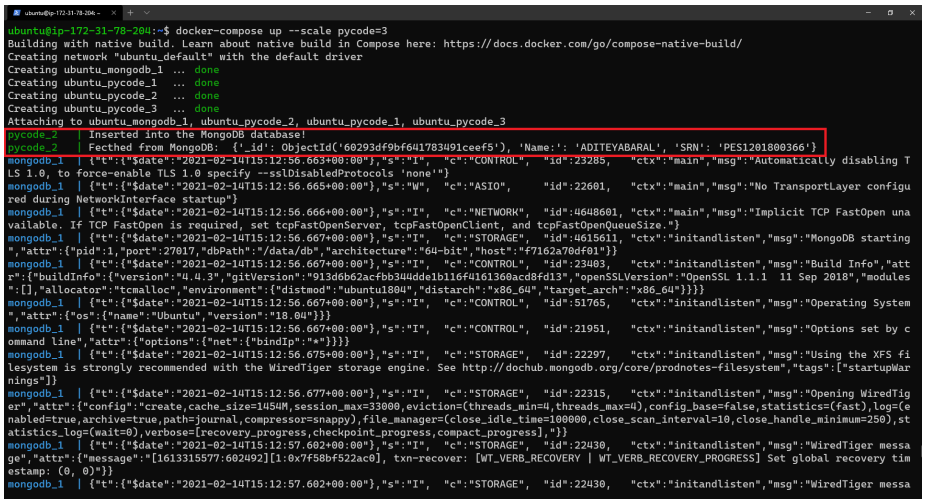

Figure 9: Application read and write from MongoDB

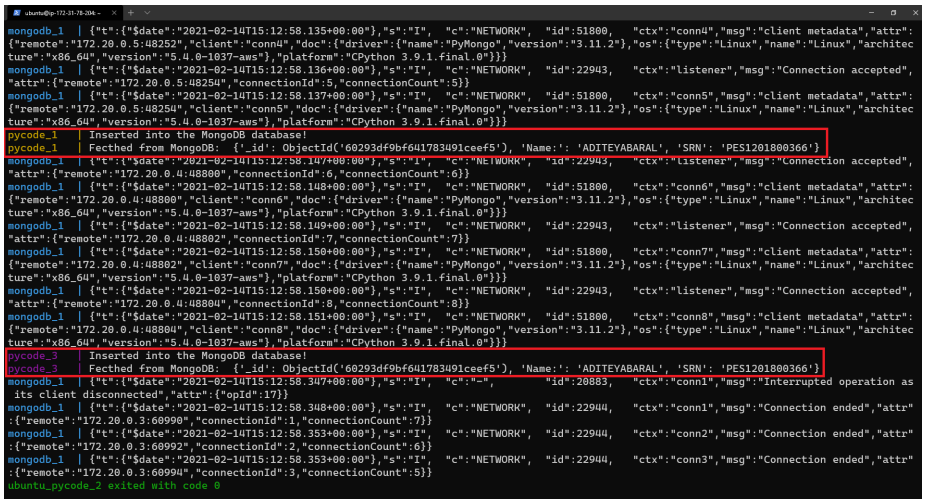

Figure 10: Application read and write from MongoDB