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D424 Capstone Task 4

A1.

I decided to choose AWS for my cloud provider simply due to the fact I had a previous class where I learned about AWS and its services. Therefore, it made sense for me to pick AWS because it only made deploying my application more streamlined and hassle free. If I chose another provider I would have to learn their terminology and system to get the same results.

A2.

I also chose to use a container image to deploy my application because again it made my process more streamlined and hassle free. In IntelliJ I was able to build a container image that contained my project by using commands listed below. Once the image was built, I added an identifying tag to it and uploaded it to docker hub for easy importing into AWS. Once my AWS EC2 instance was up and running I had to install docker, login, pull the image and run it. Below are the commands I used in IntelliJ to create the docker image and below that are the commands I used on my EC2 instance to pull the image and run it.

Create docker image

mvn clean package

docker build -t jvanm17/capstone:1 .

Docker push jvanm17/capstone:1

Deploy docker image

Sudo yum install docker

Sudo service docker start

Docker login

Docker pull jvanm17/capstone:1

Sudo usermod -aG docker ec2-user

Docker run -p 80:8080 –name spring-boot-docker jvanm17/capstone:1

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