COMPSCI 677 - Spring 2023

Lablet 5

By

Swati Agrawal (33972227)

- Took approx. 30 seconds to create new instance

- **<u>Hourly Rate</u>**

   t2.micro = $0.0162/hr

   As I used it for 2 hours, it would cost me $ 0.0324.

- **<u>All The EC2 Commands that I ran are as follows:</u>**

First Image creation and further processes

aws ec2 run-instances --image-id ami-0d73480446600f555 --instance-type t2.micro --key-name vockey > instance.json

Checking status of my instance

aws ec2 describe-instances --instance-id i-0a5dd7d9fd4f529ea

authorizing port 22 (used by ssh) in the default security group

aws ec2 authorize-security-group-ingress --group-name default --protocol tcp --port 22 --cidr 0.0.0.0/0

connecting to our instance via ssh using public DNS name

ssh -i labsuser.pem ubuntu@ec2-3-95-132-184.compute-1.amazonaws.com

Installing emacs

sudo apt update && sudo apt install -y emacs

Creating a new Image from running instance

aws ec2 create-image --instance-id i-0a5dd7d9fd4f529ea --name 677_test_image

Checking if the ami has been registered

aws ec2 describe-images --image-ids ami-0992499a87b6ebeb8

Termination

aws ec2 terminate-instances --instance-ids i-0a5dd7d9fd4f529ea

ami-0992499a87b6ebeb8 --instance-type t2.micro --key-name vockey > instance.json

aws ec2 describe-instances --instance-id i-0d3ee75dd422e8b66

aws ec2 authorize-security-group-ingress --group-name default --protocol tcp --port 28 --cidr 0.0.0.0/0

SSH into the new instance

ssh -i labsuser.pem ubuntu@ec2-3-87-189-245.compute-1.amazonaws.com

Verifying that emacs has already been installed

emacs --version

Termination

aws ec2 terminate-instances --instance-ids i-0d3ee75dd422e8b66

*Termination took 20 seconds

Cleaning up

aws ec2 deregister-image --image-id ami-0992499a87b6ebeb8

aws ec2 describe-snapshots --owner-ids self

aws ec2 delete-snapshot --snapshot-id i-0d3ee75dd422e8b66

- **All the AMI and Instance IDs that I created**

1) Image ID : ami-0d73480446600f555

2) Image ID : ami-0992499a87b6ebeb8

3) Old Instance ID i-0a5dd7d9fd4f529ea

4) New Instance ID i-0d3ee75dd422e8b66

5) DNS 1: ec2-3-95-132-184.compute-1.amazonaws.com

6) DNS 2: ec2-3-87-189-245.compute-1.amazonaws.com