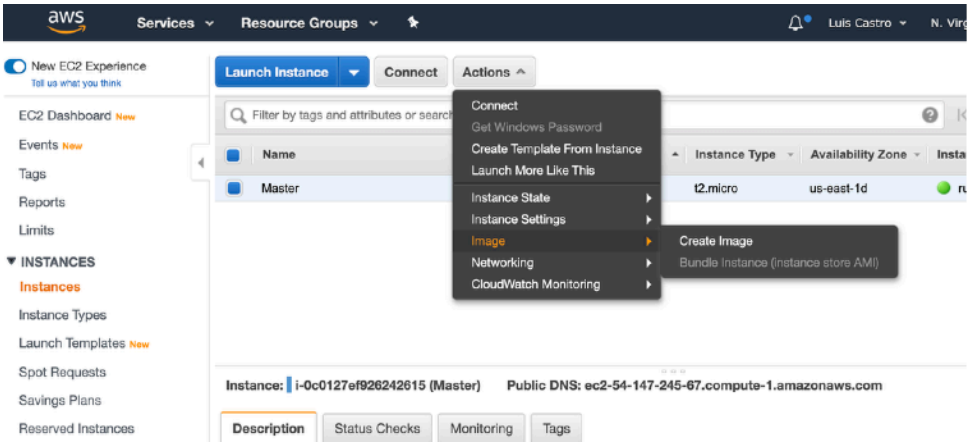
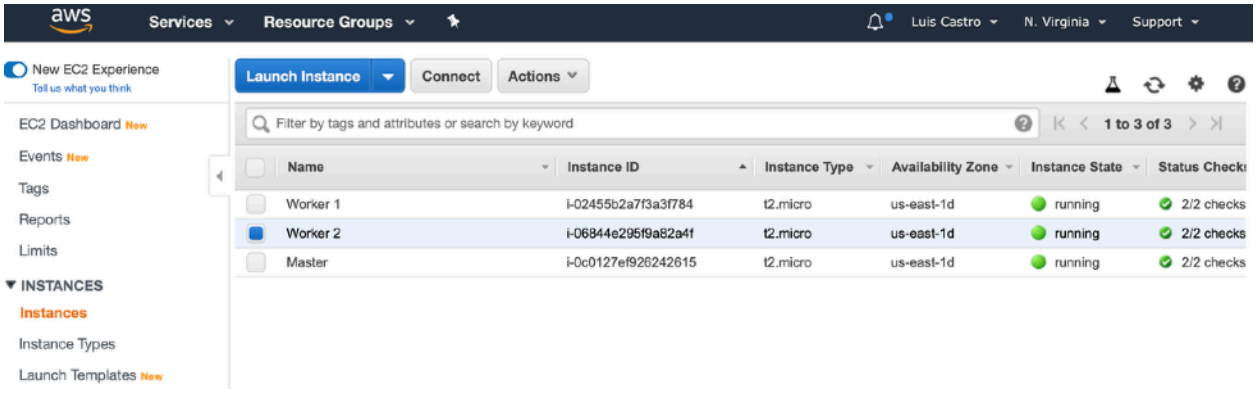
Pre-Requisites

Create 2 more Instances (Worker 1 & Worker 2) by Creating an AMI from Master Node

Create a Security Group to allow all traffic from Inbound and Attach this SG to all the Instances





Step 1

Initialize a new swarm cluster

At the Manager node type the following command

$ docker swarm init

```
Luiss-MacBook-Air:Dockerfiles luiscastro$ docker swarm init
Swarm initialized: current node (3catv05rh815f9gm4g5ek9mye) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-1dgf4eeqyfux8nutfefc6k8luy3phzueu0e8xfvq3fiytlbaoe-3kn1dtbrq7uk61yukusml2yyy 192.168.65.3:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.
```

Step 2

Verify node status, Manager Status

$ docker node ls

```
Luiss-MacBook-Air:Dockerfiles luiscastro$ docker node ls
ID                            HOSTNAME              STATUS              AVAILABILITY        MANAGER STATUS      ENGINE VERSION
3catv05rh815f9gm4g5ek9mye *   linuxkit-025000000001   Ready               Active              Leader              18.03.1-ce
```

Step 3

Save join commands for Worker Nodes

```
docker swarm join --token
SWMTKN-1-2kgfxx3inkicv41p7e2b7z9v75ns4n1yrpdwjxhiux50ulfy1w-
d1cn5zor67a4h5upfy19ass2l 172.31.50.64:2377
```

$ docker swarm join-token worker

```
Luiss-MacBook-Air:Dockerfiles luiscastro$ docker swarm join-token worker
To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-1dgf4eeqyfux8nutfefc6k8luy3phzueu0e8xfvq3fiytlbaoe-3kn1dtbrq7uk61yukusml2yyy 192.168.65.3:2377
```

Step 4

Adding worker nodes, Login to Worker Node #1

$ docker swarm join --token SWMTKN-1-1dgf4eeqyfux8nutfefc6k8luy3phzueu0e8xfvq3fiytlbaoe-3kn1dtbrq7uk61yukusml2yyy 192.168.65.3:2377

IP Address and port depends on your specific environment

Step 5

Adding worker nodes, Login to Worker Node #2

$ docker swarm join --token SWMTKN-1-1dgf4eeqyfux8nutfefc6k8luy3phzueu0e8xfvq3fiytlbaoe-3kn1dtbrq7uk61yukusml2yyy 192.168.65.3:2377

IP Address and port depends on your specific environment

Step 6

Verify status swarm cluster nodes

$ docker node ls

```
$ docker node ls
ID                  HOSTNAME      STATUS  AVAILABILITY  MANAGER STATUS
0g4rl...babl8 *  mgr2          Ready   Active        Reachable
8yv0b...wmr67    wrk1          Ready   Active
9mzwf...e4m4n    wrk3          Ready   Active
```