**To execute Default Container:**

Execute Docker Quick Start terminal.exe

Go to Run As🡪 type CMD

**Type🡺** **docker –version**

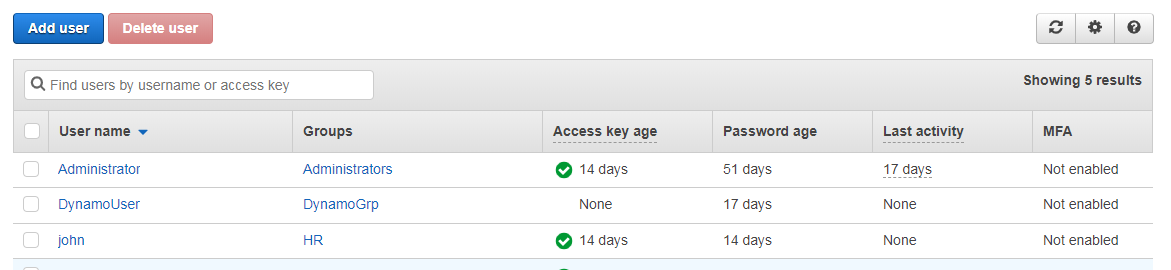
**Need to install aws cli and python**

**Type🡺 aws –version**

**Go to URL** [**https://aws.amazon.com/**](https://aws.amazon.com/)

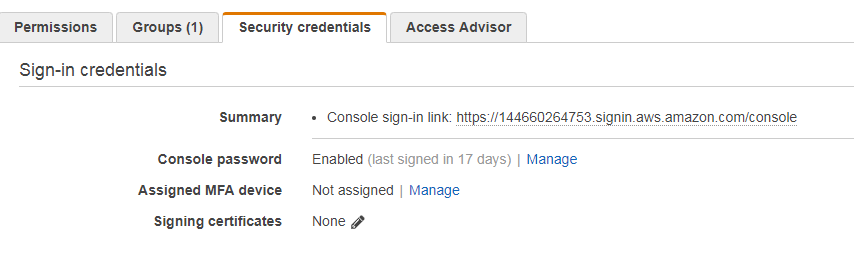
**Click on sign in console and login with aws credential**

**Go to IAM Management Console**

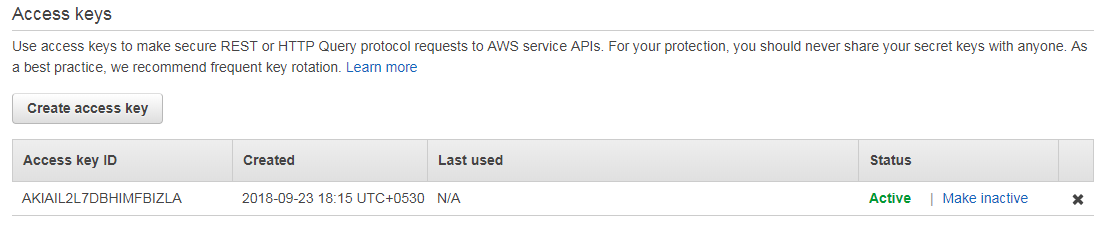


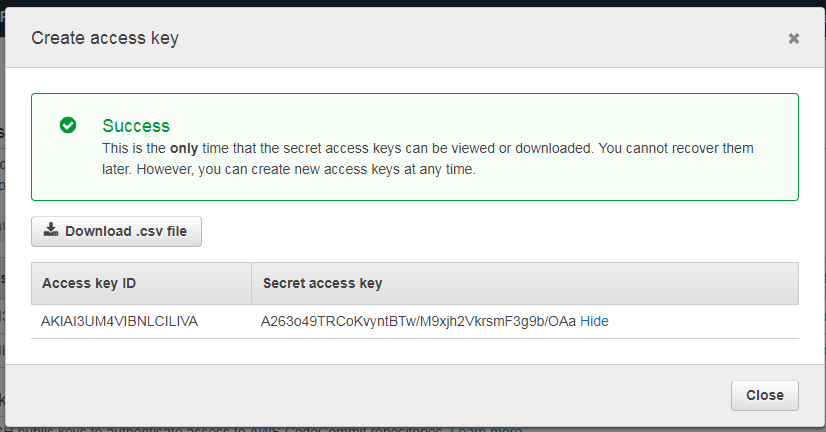
**Click on username which is in the group of Administrators**

**Then click on security credentials tab:**



**Need to create Access Key and need to collect access key**

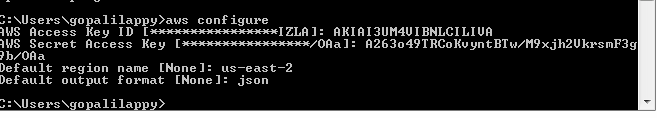




**Type aws configure**

**Access key ID:** AKIAJ3E3THHG6NTQNABA

**Secret Access key:** 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



**aws ecr get-login > C:\dockertoecr.txt**

aws ecr get-login --no-include-email | sed 's|https://||'> **C:\dockertoecr.txt**

**docker login -u AWS -p  ahttps://144660264753.dkr.ecr.us-east-2.amazonaws.com**

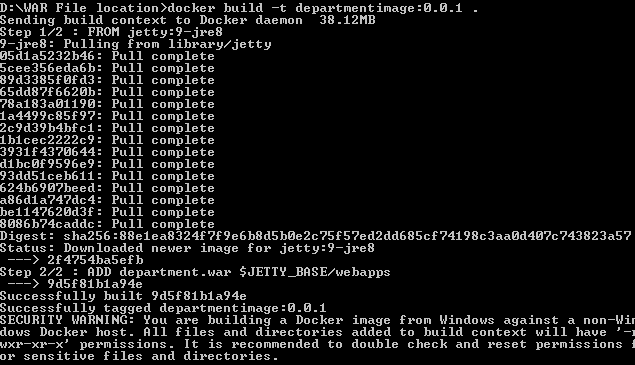
**Create WAR file from jar file:**

**D:\SpringWorkMicroService\Department\target>jar -cvf department.war \***

**Note : Project folder**

**Docker Build:**

**docker build -t departmentimage:0.0.1 .**



**Check Images:**

docker images



**Docker run in Docker ToolBox for windows 7:**

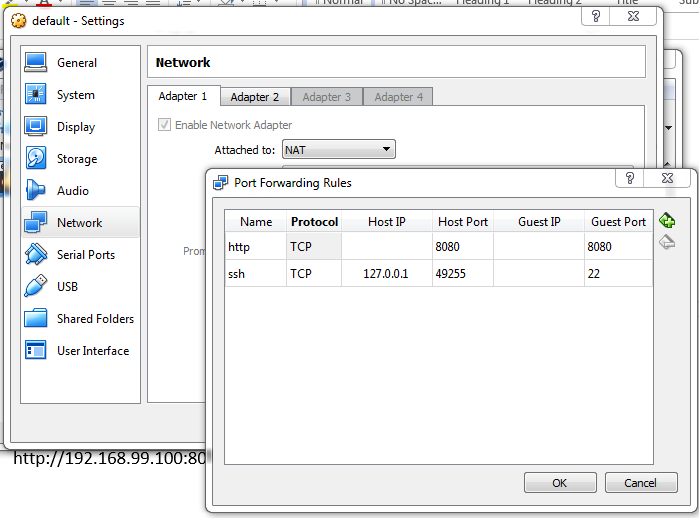
docker run -p 8080:8080 departmentimage:0.0.1

docker run –p 8080:8080 springmv:0.0.1

**Hit the URL:**

[http://192.168.99.100:8080/<<WARFILEname](http://192.168.99.100:8080/%3c%3cWARFILEname)>>

To run URL outside virtual box using local host:



Need to add post forwarding rule

**Docker image Delete :**

docker image rm –f <<IMAGE ID>>

**Docker image list:**

docker images

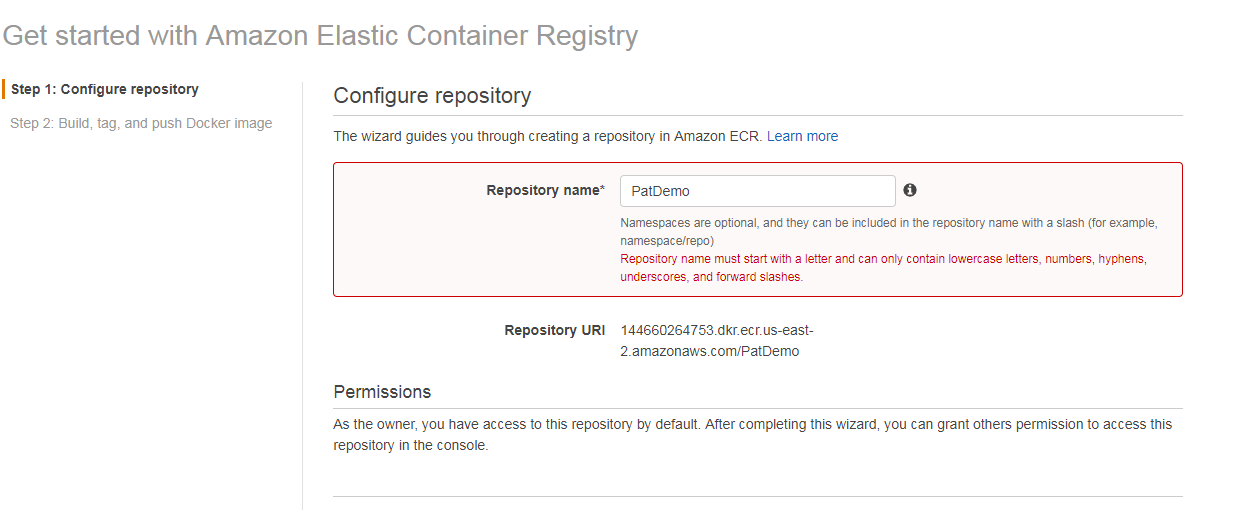
**Delete container:**

docker rm <<CONTAINER ID>>

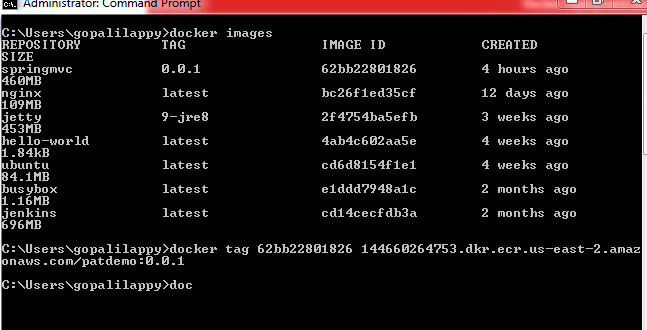
**Check current running container**:

docker ps

**Amazon Elastic Container Registry:**



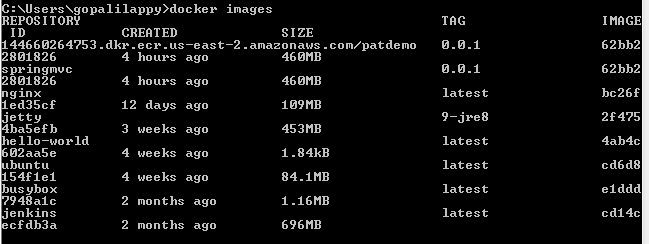
**Repository URL:** 144660264753.dkr.ecr.us-east-2.amazonaws.com/patdemo



**IMAGE ID : 62bb22801826**

**Add Tag:**

docker tag 62bb22801826 144660264753.dkr.ecr.us-east-2.amazonaws.com/patdemo:0.0.1



**Image with new tag is available in the list.**

**PUSH to ECR:**

**docker push 144660264753.dkr.ecr.us-east-2.amazonaws.com/patdemo:0.0.1**

**Error Facing : No auth specified.**

**Push and Pull Docker image to Docker Hub:**

**Docker Hub Credential:**

**Docker ID: 020788**

**Password: Taxidriver**

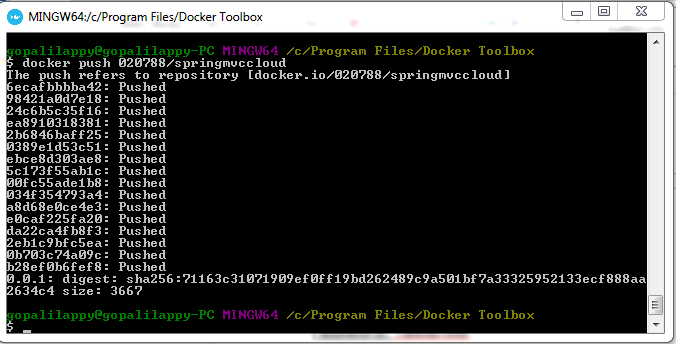
docker-machine ssh default

export DOCKER\_ID\_USER="020788"[Docker ID]

docker login

docker tag springmvc:0.0.1 $DOCKER\_ID\_USER/springmvccloud:0.0.1

docker push 020788/springmvccloud:0.0.1

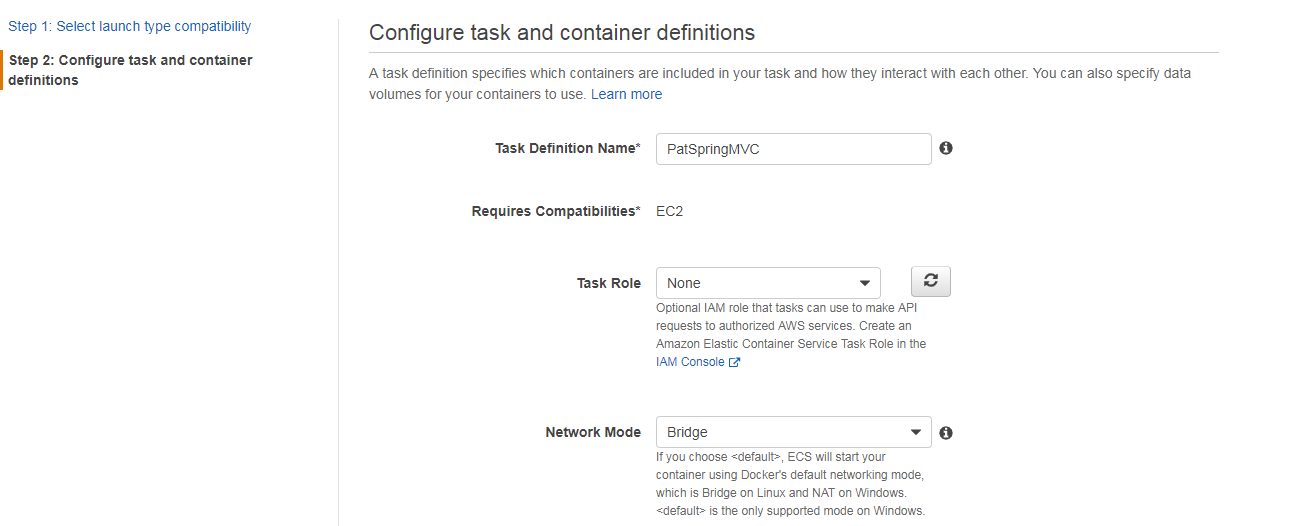


docker pull 020788/springmvccloud

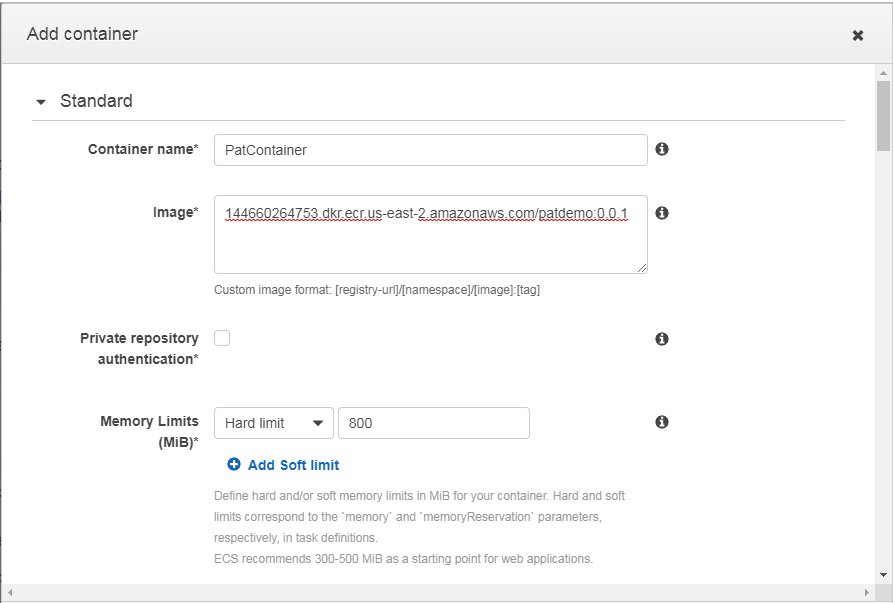
Useful Youtube URL:

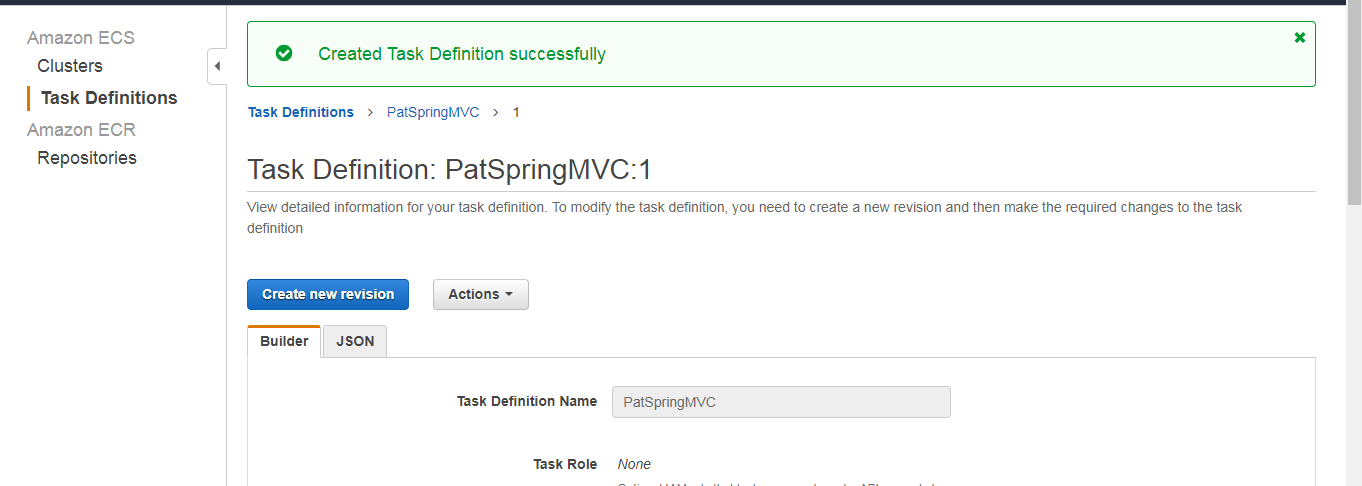
<https://www.youtube.com/watch?v=ZSgcGNSCaZI>

**Creating Task in ECS:**

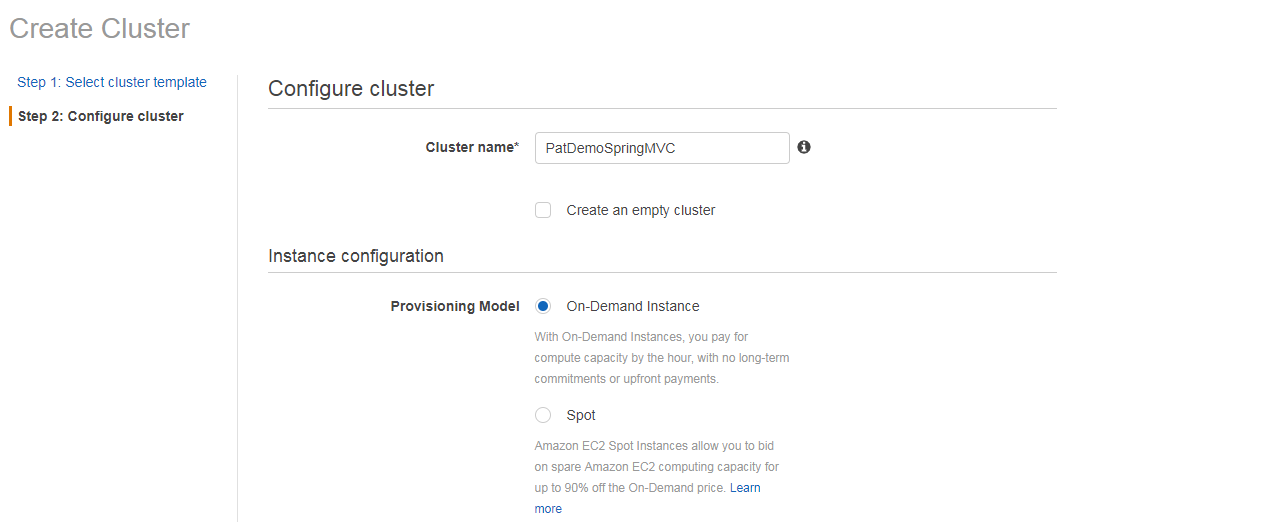


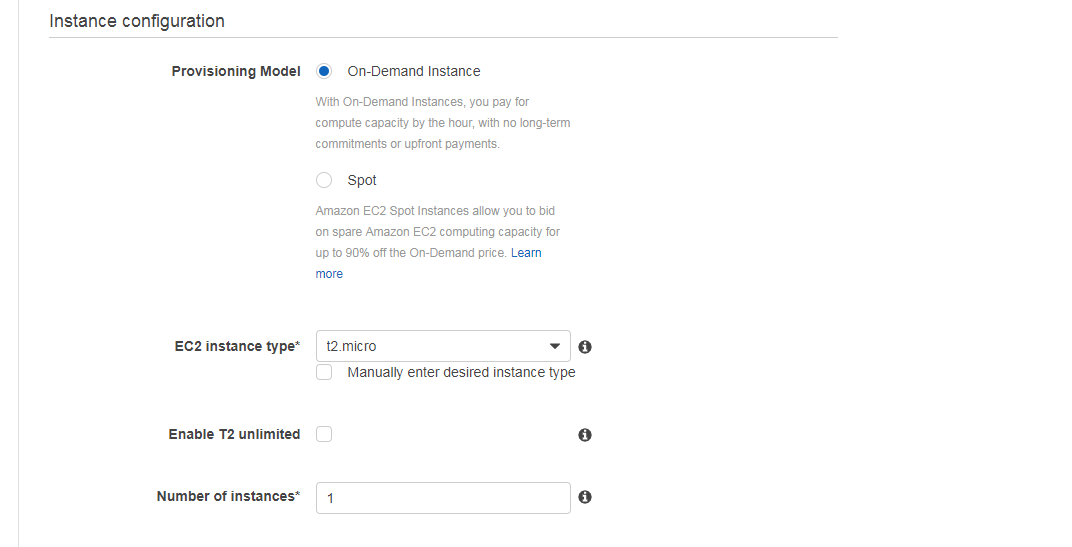
**Create Container :**

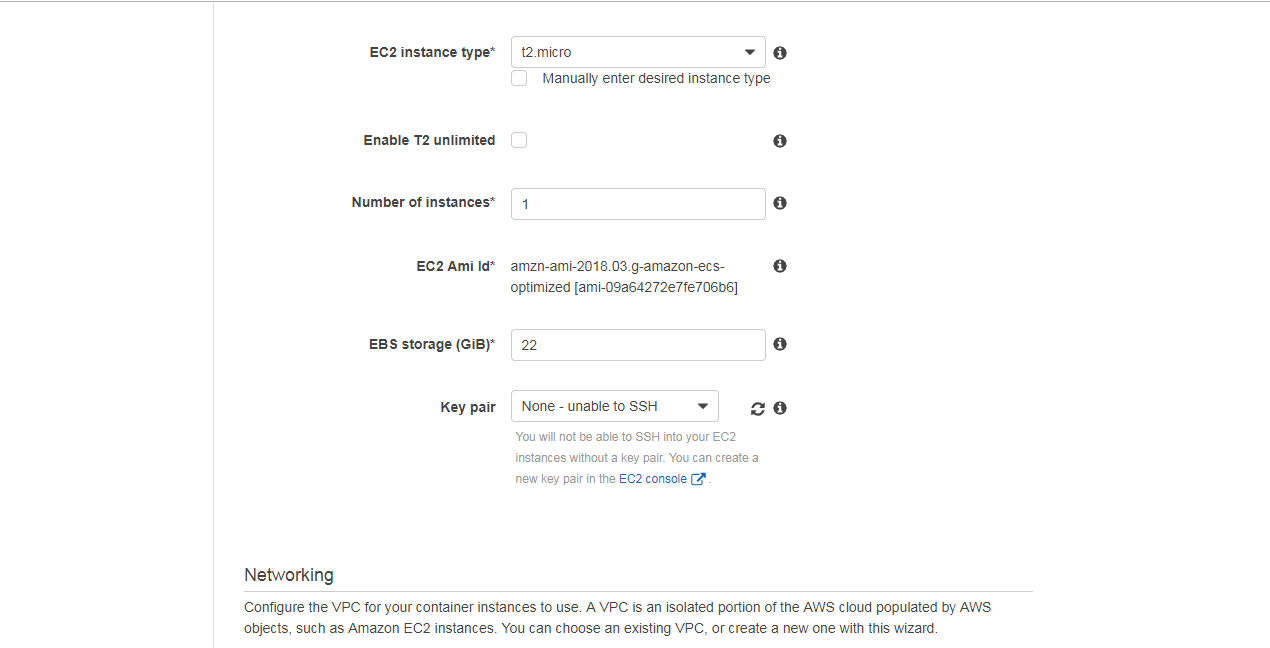


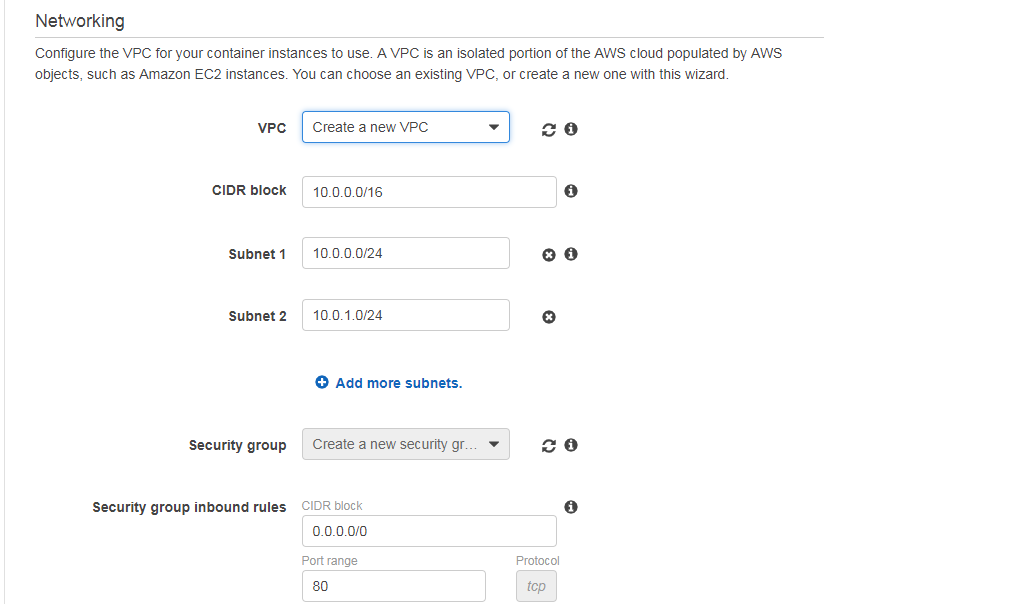


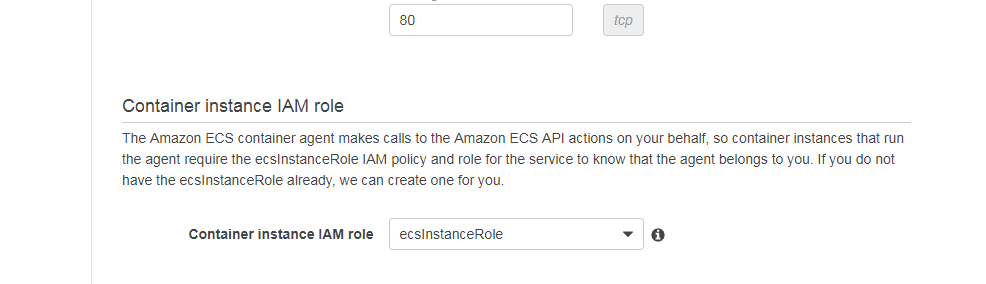
**Create Cluster:**

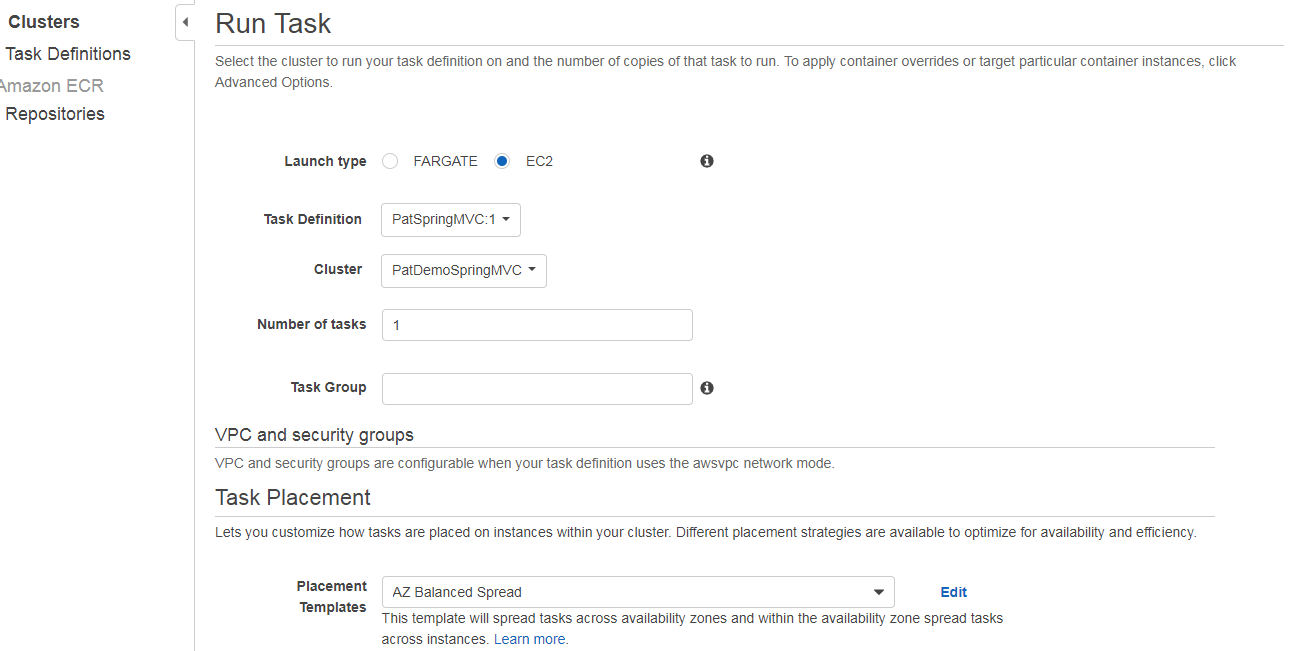


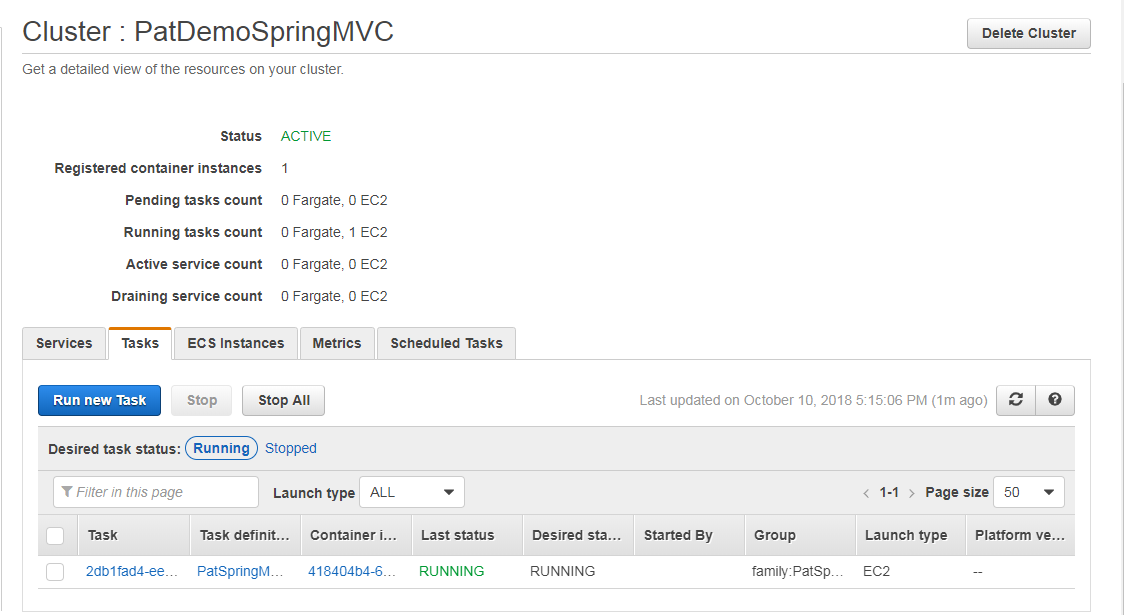




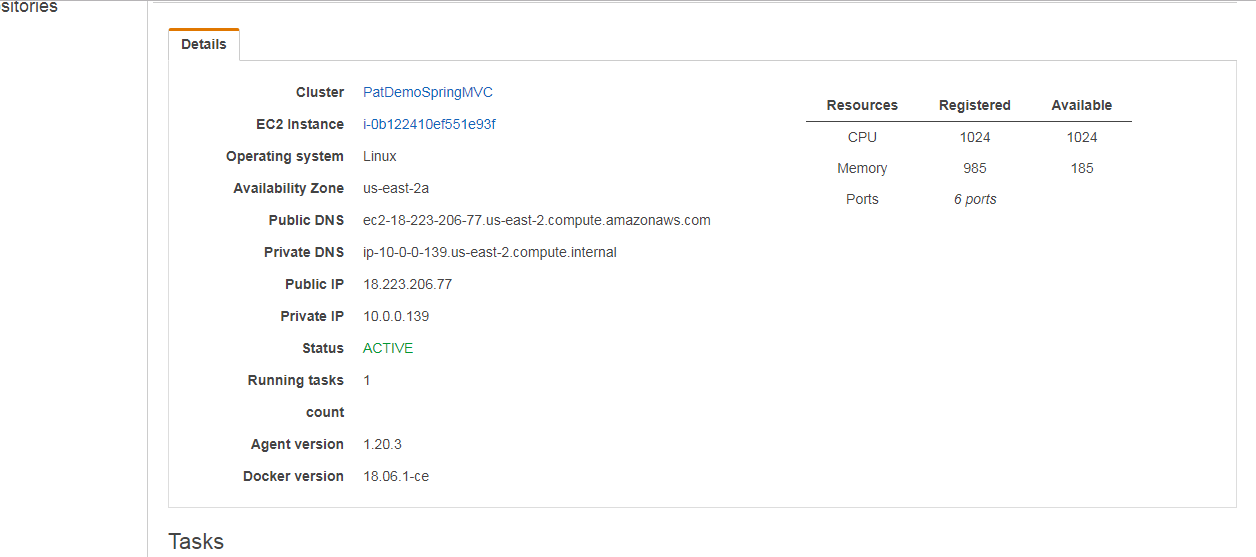








**After clicking on Container Instance:**



Public DNS: ec2-18-223-206-77.us-east-2.compute.amazonaws.com

**Hitting URL :** ec2-18-223-206-77.us-east-2.compute.amazonaws.com/SpringMVCRestful/employees