

Git Clone

```
[ec2-user@ip-10-0-1-62 ~]$ git clone https://github.com/joshking1/Creating_Docker_Image_Pushing_to_AWS_ECR.git
Cloning into 'Creating_Docker_Image_Pushing_to_AWS_ECR'...
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 10 (delta 0), reused 10 (delta 0), pack-reused 0
Receiving objects: 100% (10/10), done.
```

ls

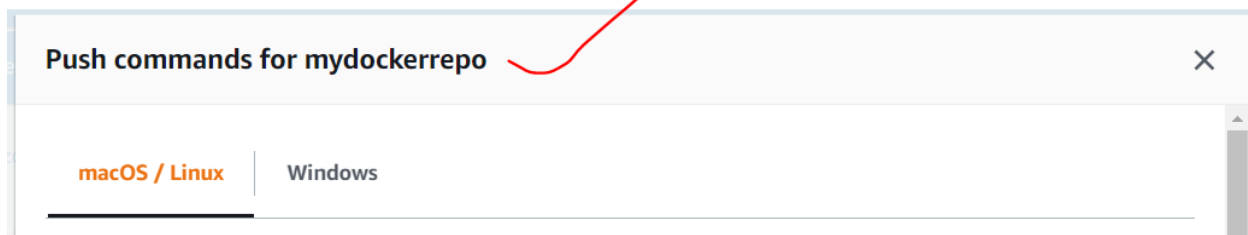
```
[ec2-user@ip-10-0-1-62 ~]$ ls
Creating_Docker_Image_Pushing_to_AWS_ECR  mydockerrepo
[ec2-user@ip-10-0-1-62 ~]$ cd Creating_Docker_Image_Pushing_to_AWS_ECR/
[ec2-user@ip-10-0-1-62 Creating_Docker_Image_Pushing_to_AWS_ECR]$ ls
mydockerrepo
[ec2-user@ip-10-0-1-62 Creating_Docker_Image_Pushing_to_AWS_ECR]$ cd mydockerrepo/
[ec2-user@ip-10-0-1-62 mydockerrepo]$ ls
pythonApp
[ec2-user@ip-10-0-1-62 mydockerrepo]$ cd pythonApp/
[ec2-user@ip-10-0-1-62 pythonApp]$ docker build -t mydockerrepo .
```

docker build -t mydockerrepo .

```
[ec2-user@ip-10-0-1-62 pythonApp]$ docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
mydockerrepo	latest	b9e800ab76f1	9 seconds ago	6.8MB

Go to



Login Command to AWS ECR

```
[ec2-user@ip-10-0-1-62 pythonApp]$ sudo usermod -a -G docker jenkins
[ec2-user@ip-10-0-1-62 pythonApp]$ aws ecr get-login-password --region us-east-2 | docker login --user
name AWS --password-stdin 232110768834.dkr.ecr.us-east-2.amazonaws.com
WARNING! Your password will be stored unencrypted in /home/ec2-user/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
```

Tag the image build

```
[ec2-user@ip-10-0-1-62 pythonApp]$ docker tag mydockerrepo:latest 232110768834.dkr.ecr.us-east-2.amazo
naws.com/mydockerrepo:latest
[ec2-user@ip-10-0-1-62 pythonApp]$ docker image list
```

REPOSITORY	TAG	IMAGE ID	CREATED
232110768834.dkr.ecr.us-east-2.amazonaws.com/mydockerrepo	latest	b9e800ab76f1	11 minutes ago

```
SIZE
56.8MB
```

Docker push

```
[ec2-user@ip-10-0-1-62 pythonApp]$ docker push 232110768834.dkr.ecr.us-east-2.amazonaws.com/mydockerre
po:latest
The push refers to repository [232110768834.dkr.ecr.us-east-2.amazonaws.com/mydockerrepo]
83e49e4ddcbd: Pushed
a1ca24fdc009: Pushed
a578984acdbf: Pushed
ac201c481c58: Pushed
321386a152d3: Layer already exists
f566c57e6f2d: Layer already exists
latest: digest: sha256:56efe28afd6c1268a94813baccb1964e7388d1971c5213eda93d1d04aa41443f size: 1571
```

Go to AWS and check your ECR

mydockerrepo View push commands Edit

Images (2) Refresh Delete Scan

Find images

	Image tag	Pushed at	Size (MB)	Image URI	Digest	Scan status	Vulnerabilities
<input type="checkbox"/>	latest	January 03, 2022, 20:23:04 (UTC-05)	18.83	Copy URI	sha256:56efe28afd6c126...	-	-
<input checked="" type="checkbox"/>	<untagged>	January 03, 2022, 18:37:12 (UTC-05)	18.83	Copy URI	sha256:5150579e78d612...	-	-