**Section 12.9 Notes - Upload to AWS ECR**

**Commands**

* cd into the cloned course repo root directory then
* Ensure PIP\_EXTRA\_INDEX\_URL is set (Gemfury URL)
* Ensure AWS\_ACCOUNT\_ID is set (can be found in the AWS ECR URL)

Build image locally (Windows):

docker build --build-arg PIP\_EXTRA\_INDEX\_URL=%PIP\_EXTRA\_INDEX\_URL% -t YOUR\_APP\_NAME:latest .

Build image locally (OS X / Linux):

docker build --build-arg PIP\_EXTRA\_INDEX\_URL=${PIP\_EXTRA\_INDEX\_URL} -t YOUR\_APP\_NAME:latest .

Tag local docker image (Windows):

docker tag YOUR\_APP\_NAME:latest %AWS\_ACCOUNT\_ID%.dkr.ecr.us-east-1.amazonaws.com/YOUR\_APP\_NAME:latest

Tag local docker image (OS X / Linux):

docker tag YOUR\_APP\_NAME:latest ${AWS\_ACCOUNT\_ID}.dkr.ecr.us-east-1.amazonaws.com/YOUR\_APP\_NAME:latest

View Images and Tags:

docker images

Login to ECR:

aws ecr get-login --no-include-email --region us-east-1

Copy and paste the result of this command into the command prompt / terminal and run the command - you should see “login succeeded”

Push docker image to ECR (Windows)

docker push %AWS\_ACCOUNT\_ID%.dkr.ecr.us-east-1.amazonaws.com/YOUR\_APP\_NAME:latest

docker push ${AWS\_ACCOUNT\_ID}.dkr.ecr.us-east-1.amazonaws.com/YOUR\_APP\_NAME:latest

**Links**

AWS ECR User Guide:

<https://docs.aws.amazon.com/AmazonECR/latest/userguide/what-is-ecr.html>

Create ECR entry with CLI:

<https://docs.aws.amazon.com/cli/latest/reference/ecr/create-repository.html>

More CLI commands:

<https://docs.aws.amazon.com/AmazonECR/latest/userguide/ECR_AWSCLI.html#AWSCLI_push_image>