

Setting up with Amazon ECR

1. Install AWS CLI, and config a IAM user

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

2. After configuring your IAM user go to your terminal and type command “aws configure”. Input your IAM access data.

3. Create repository on AWS ECR (It must be set as private to be used on Lambda).

Create repository

General settings

Visibility settings [Info](#)

Choose the visibility setting for the repository.

☒ Private

Access is managed by IAM and repository policy permissions.

☐ Public

Publicly visible and accessible for image pulls.

Repository name


Provide a concise name. A developer should be able to identify the repository contents by the name.

21 out of 256 characters maximum (2 minimum). The name must start with a letter and can only contain lowercase letters, numbers, hyphens, underscores, periods and forward slashes.

Tag immutability [Info](#)

Enable tag immutability to prevent image tags from being overwritten by subsequent image pushes using the same tag. Disable tag immutability to allow image tags to be overwritten.

☐ Disabled

 Once a repository is created, the visibility setting of the repository can't be changed.

Scan on push
Enable scan on push to have each image automatically scanned after being pushed to a repository. If disabled, each image scan must be manually started to get scan results.
☐ Disabled

Encryption settings
KMS encryption
You can use AWS Key Management Service (KMS) to encrypt images stored in this repository, instead of using the default encryption settings.
☐ Disabled

The KMS encryption settings cannot be changed or disabled after the repository is created.

Cancel

Create repository

Creating your Docker Image

1. If you haven't Docker installed yet, install it.
2. On your root directory, open terminal and activate your python virtual environment, run a commando to create a requirements.txt (pip3 freeze > requirements.txt)
3. Create a new file called "Dockerfile", it contains all steps to Docker create our virtual environment.
4. After saving "Dockerfile", run this command on terminal (docker build -t webmotors-webscraping .). An Docker image will be build.

Uploading Docker Image to Amazon ECR

Follow "View push command" on AWS ECR console to get details on how to push your Docker Image to AWS

