

Pushing a Docker Image to the Oracle Cloud Infrastructure Registry



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Overview



Review sample application

Build Docker image

Oracle Cloud Infrastructure Registry
(OCIR)

Push image to repository



Demo



Download and run the sample app

Build Docker image

Run container locally



Oracle Cloud Infrastructure Registry (OCIR)



Oracle-managed registry

Create repositories

- Region and tenancy
- Public or private
- Different tagged versions of image

Simplifies deployments to OKE clusters

Using Your OCIR Repository



Permission

Member of group with
policy to manage repos



Tag Format

Image must be
properly tagged



Auth Token

Used to authenticate
with docker login



Pushing Images Using the Docker CLI



```
docker login <region-code>.ocir.io
```

```
docker login phx.ocir.io
```

```
<tenancy-namespace>/username
```

```
ax4jvx1cvfyv/craig
```

```
afyUj1)00S+MB.A}S+Fp
```

◀ Region code is abbreviation

◀ US West (Phoenix) region

◀ Username format

◀ <tenancy-namespace> is Object Storage namespace string of tenancy

◀ Password is auth token



```
docker tag <image-identifier> <target-tag>
```

<target-tag> =

```
<region-code>.ocir.io/<tenancy-namespace>/<repo-name>/<image-name>:<tag>
```

```
docker tag 8e2036e25863 phx.ocir.io/ax4jvxlcvfyv/project1/app2:2.5
```

<image-identifier> - the id or name:tag for the image on the source system

<region-code> and **<tenancy-namespace>** - same as docker login

<repo-name> - optional, repository to push image to

<image-name> - name of the image in the OCIR

<tag> - image tag in the OCIR



docker push <target-tag>

<target-tag> =

<region-code>.ocir.io/<tenancy-namespace>/<repo-name>/<image-name>:<tag>

```
docker push phx.ocir.io/ax4jvxlcvfyv/project1/app2:2.5
```

<target-tag> - same format as what was used for docker tag

Push the image that was tagged



Demo



`docker login`

`docker tag`

`docker push`

Sample app image to OCIR repository

View registry in web console



Summary



Log in to OCIR

Tag docker image in correct format

Push docker image to OCIR repository

