

# Pushing a Docker Image to the Oracle Cloud Infrastructure Registry

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**Craig Golightly**

SENIOR SOFTWARE CONSULTANT

@seethatgo [www.seethatgo.com](http://www.seethatgo.com)



# 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

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```
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**

