When you manage containers, you should be familiar with *namespaces* and *private repositories*.

* **Namespace**: A unique name to identify your private repository within the Bluemix registry. The namespace is assigned one time for an organization and cannot be changed after it is created.
* **Private Bluemix image repository**: The Bluemix registry domain with the namespace of the organization's repository. When you run commands, use the full private Bluemix repository when you refer to an image. You can format your image paths like the following example.

cf ic run -p <port> --name <container\_name> registry.ng.bluemix.net/<namespace>/<image\_name>

if using ice:

ice run -p <port> --name <container\_name> <namespace>/<image\_name>

To get the name space:

ice namespace get

or

cd ic namespace get

**Important:** By default, the **ice** commands must be run with root authentication and therefore, require the prefix sudo. If you want to run docker and ice commands without sudo, run the following command, where*<CURRENT\_USER>* is the name of the current user, then, if you are on Linux, you must log out then log back in again.

**sudo usermod -a -G docker *<CURRENT\_USER>***

to copy an image from Docker Hub to your private registry.

Get the namespace/image name from the docker hub page. You can find it in the docker pull command. Call the following command:

ice cpi remoteNameSpace/ImageName yourNameSpace/YourImageName

For Example,

**ice cpi vimagick/python myorg8080/python**

to view all images call this command:  
ice images

to call all running containers:

ice ps

to call all containers (running / shutdown )

ice ps -a

to pull an image from bluemix registry, use this command:

docker pull registry.ng.bluemix.net/myorg8080/python:latest

docker pull bluemix\_url/namespace/image:tag