IBM MobileFirst Foundation on IBM Containers

fork and edit tutorial (https://github.ibm.com/MFPSamples/DevCenter/tree/master/tutorials/en/foundation/8.0/ibm-containers/index.md) | report issue (https://github.ibm.com/MFPSamples/DevCenter/issues/new)

Overview

Before talking about IBM MobileFirst Foundation and IBM Containers, lets talk Bluemix.

IBM Bluemix is an implementation of IBM's Open Cloud Architecture. It leverages **Cloud Foundry** to enable developers to rapidly build, deploy, and manage their cloud applications, while tapping a growing ecosystem of available services and runtime frameworks.

> Learn more about the Bluemix architecture and Bluemix concepts on the Bluemix website (https://www.ng.bluemix.net/docs/overview/overview.html).

How does it work?

In a nutshell: to run IBM MobileFirst Foundation on IBM Containers, several components must interact with one another: the first component is an **image** that contains a **Linux distribution with a WebSphere Liberty installation**, with a **MobileFirst Server instance** deployed to it. The image is then stored inside an **IBM Container**, and the IBM Container is managed by **Bluemix**.

IBM Containers

IBM Containers are objects that are used to run images in a hosted cloud environment. IBM Containers hold everything that an app needs to run.

The IBM Container infrastructure includes a private registry for your images, so that you can upload, store, and retrieve them. You can make those images available for Bluemix to manage them. A command line interface is then used to manage your containers on Bluemix - More on this in the following tutorials.

Learn more about IBM Containers (https://www.ng.bluemix.net/docs/containers/container_index.html).

> To learn more about IBM MobileFirst Foundation on IBM Containers, visit the user documentation website.

Tutorials to follow next

- Create a MobileFirst Server instance using the Mobile Foundation Bluemix service (using-mobile-foundation/).
- Create a MobileFirst Server instance on IBM Containers using IBM-provided scripts (mobilefirst-server-using-scripts/).