IBM MobileFirst Foundation on IBM Containers

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/).