

Evaluate IBM MobileFirst Platform Foundation on IBM Containers

Overview

This tutorial goes through the steps that you must follow to evaluate running IBM MobileFirst Platform Foundation on IBM Containers: You register an account at the Bluemix website, you create an IBM Container that contains a preconfigured, self-contained, MobileFirst Platform Foundation "Getting Started" image, you set up this image, and finally you download a sample mobile application and run it with the MobileFirst Server instance that runs inside the Container service on Bluemix.

Prerequisite: First make sure that you read the Introduction to IBM MobileFirst Platform Foundation on IBM Containers (../) tutorial.

Topics

- Registering an account on Bluemix
- Creating an IBM Container
- IBM MobileFirst Platform Foundation on IBM Containers Overview page

Registering an account on Bluemix

If you do not have an account yet, visit the Bluemix website (<http://www.bluemix.net>) and click **Get Started Free** or **Sign Up** button. You must first fill out a registration form before you can move to the next step.



After signing in to Bluemix, you are presented with the Bluemix Dashboard which provides an overview of the active Bluemix **space**. This is a work area which by default receives the name "dev". You can create multiple work areas/spaces if needed.

The next step is to add an **IBM Container** in the Bluemix space.

Creating an IBM Container

1. In the Bluemix Dashboard, click **Start Containers**.



2. In the screen that display, select the **IBM MobileFirst Platform Foundation Getting Started** image.



3. Provide a name for the container.
4. Select **Container size (memory: "Medium")**, request a public IP address, assign public ports (80, 9080).
5. Click **Create** to create the container.



The Container page is then loaded.

Note: After the page is loaded, the Container might be still in "building" stage.

To access the container, use the IP address that you have previously binded to it.

If you haven't done so, you can still do it from the **Public IP address** drop-down menu.

The address to use is: `http(s)://binded-IP-address`.

Before you can access the container, you first go through a one-time registration page.

After you have registered, the Overview page displays.

The screenshot shows the IBM Bluemix interface for a container named 'MobileFirst_Platform_Foundation_7.1_Getting_Started_Image'. The container was created on 7/7/15 at 2:48 PM, has a private IP of 172.31.0.9, and is using port 8090. It has no volumes and is using the 'mfpdocker/mfp-foundation-getting-started:7.1.0' image. The overview includes a 'MEMORY USED' section showing 256 MB memory and 16 GB storage, a 'MEMORY USAGE' graph showing usage over time, and a 'CONTAINER HEALTH' section indicating the container is running with buttons for STOP, PAUSE, RESTART, and DELETE. A 'Bind Bluemix Services' section is also visible at the bottom.

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Use one of the sample applications to reach the final step of the evaluation: connecting an app to a MobileFirst Server instance that runs on top of Bluemix.

The landing page also provides links to various documentation resources.

The landing page features the title 'MobileFirst Platform Foundation on Bluemix' and a 'Contact Us' button. It includes a visual representation of the platform running on various devices (laptop, desktop, tablet, and smartphone) displaying the MobileFirst interface. The background is a light blue gradient with a darker blue footer area.

Start Building Your Mobile Channel Today

This section is divided into three columns, each with an icon, a title, a description, and a button:

- DEVELOP**: Represented by a code editor icon. Description: 'Develop native or hybrid mobile applications using the tools of your choice. Integrate easily with enterprise systems.' Button: 'Download sample'.
- MANAGE**: Represented by a slider icon. Description: 'Clearly view all of your apps, deploy apps and adapters, disable versions and devices.' Button: 'Open Console'.
- MEASURE**: Represented by a gauge icon. Description: 'Detailed operational analytics let you review the health and performance of your apps.' Button: 'View Analytics'.

Visit the IBM MobileFirst Platform Foundation on IBM Containers sample app (`./sample-app/`) tutorial for instructions and downloading, setting up, and running the sample application.

