

Using the Mobile Foundation service to set up MobileFirst Server on IBM Containers

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

Overview

This tutorial provides step-by-step instructions to set-up a MobileFirst Server instance on IBM Containers using the **Mobile Foundation** service.

Mobile Foundation is a **Bluemix service** that enables quick & easy stand-up of scalable Developer or Production environments of MobileFirst Foundation v8.0 on **IBM Containers**.

The Mobile Foundation service offers two plan options:

1. **Developer**: This plan provisions a Mobile Foundation server in a container in IBM Containers. The plan does not support the use of container groups or external databases *and is restricted to development and testing only*. The server instance allows registering only a single (1) application.
2. **Professional 1 Application**: This plan provisions a Mobile Foundation server in a scalable container environment. The plan also requires a database service, which is created and billed separately. The plan allows users to build and manage a single mobile application. A single mobile application can consist of multiple flavors, such as iOS, Android, Windows and Mobile Web.

See the service page on Bluemix.net (<https://console.ng.bluemix.net/catalog/services/mobile-foundation/>) for more information regarding billing.

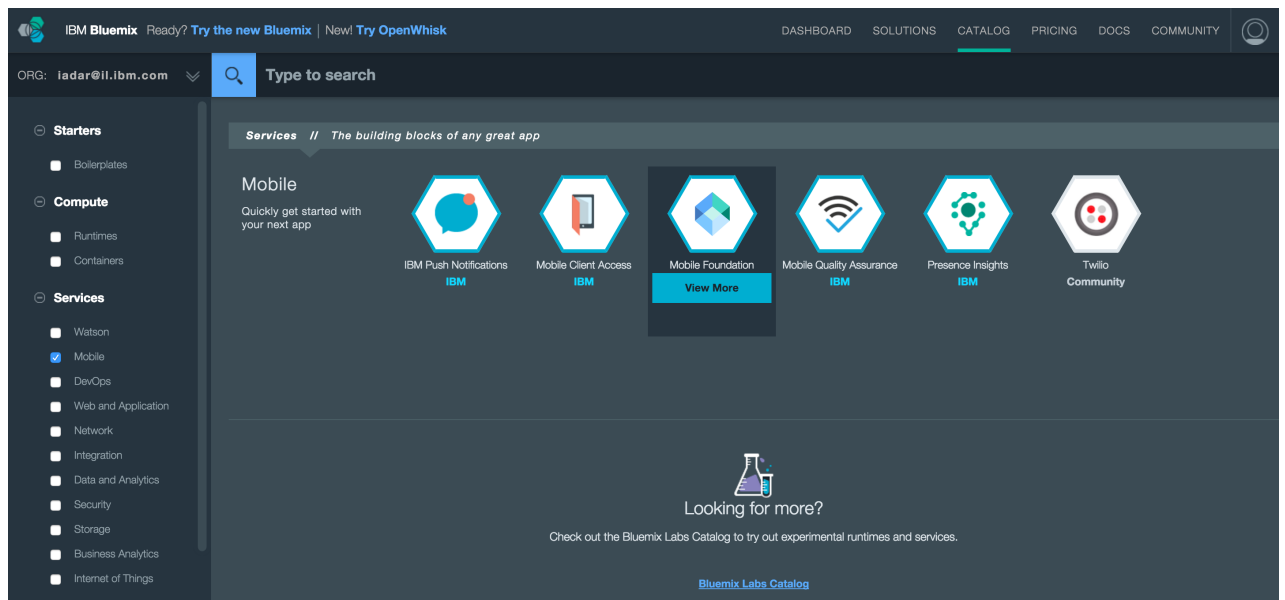
Jump to:

- Setting up the Mobile Foundation Service
- Using the Mobile Foundation Service
- Server configuration
- Advanced server configuration
- Further reading

Setting up the Mobile Foundation Service

To setup the available plans, first follow these steps:

1. Load bluemix.net (<http://bluemix.net>) and visit the **Catalog** page.
2. From the left sidebar, tick the "Mobile" checkbox under **Services**. Then, click on the **Mobile Foundation** tile to begin the service creation process.

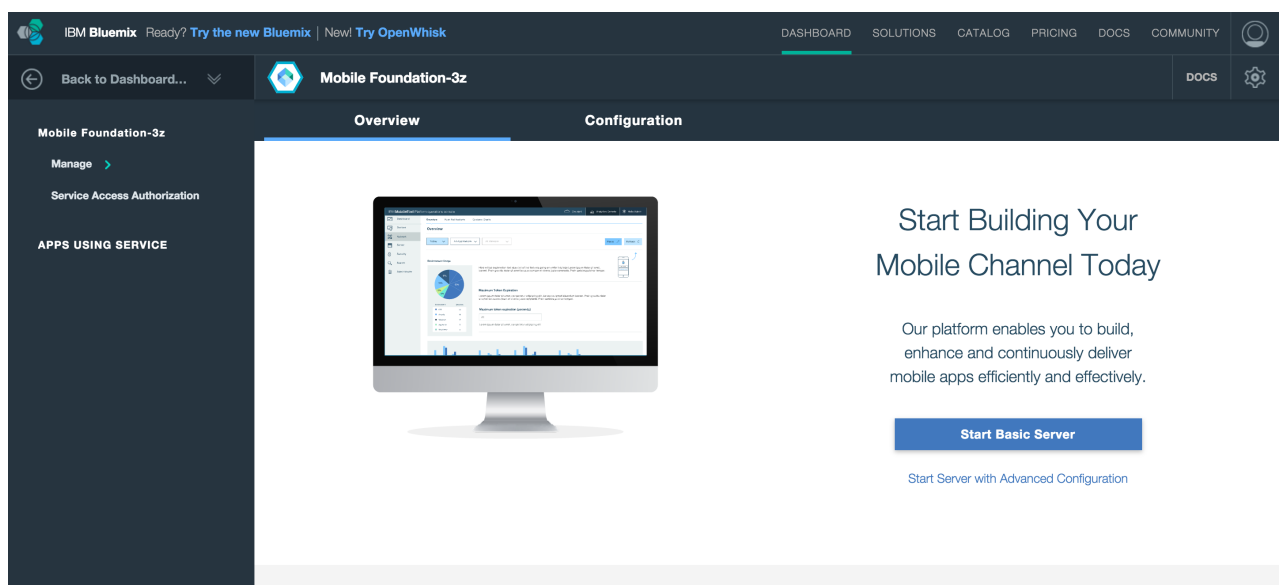


3. Select a **space** to use and optionally set a **Service name**.
4. Select the desired plan option, then click **Create**.

Setting up the *developer* plan

1. Agree to the Early license terms, provide your Bluemix username and password, and click **Continue**.
2. Start the MobileFirst Server.
 - You can either keep the server configuration at its basic level and click on **Start Basic Server**, or
 - Update the server configuration in the Configuration tab, and click on **Start advanced server**.

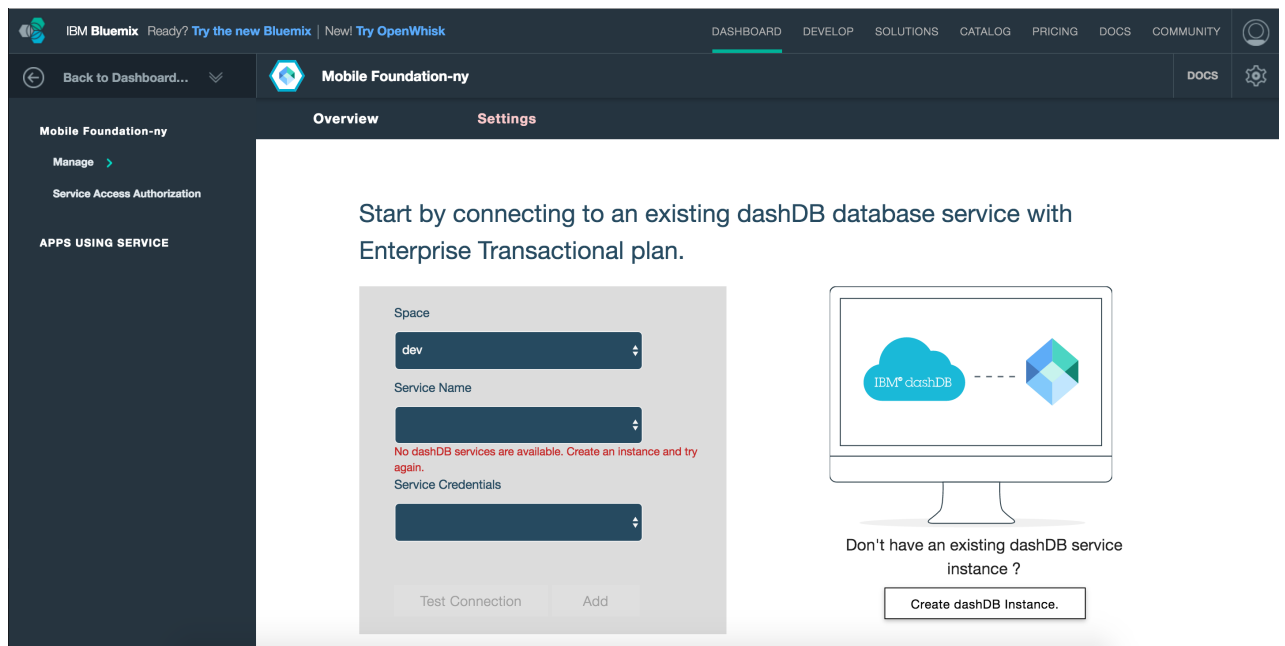
During this step an IBM Container is generated for the Mobile Foundation service, and the MobileFirst Foundation environment is being initialized. This takes between 5 to 10 minutes.



Setting up the *Professional 1 Application* plan

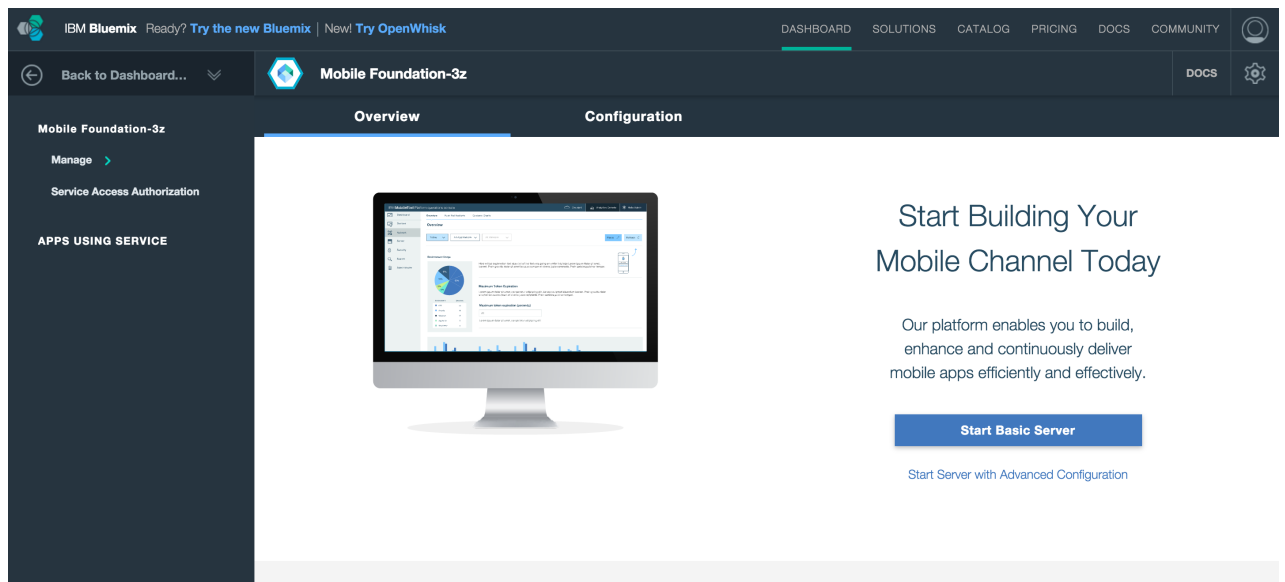
1. Agree to the Early license terms, provide your Bluemix username and password, and click **Continue**.

2. The plan requires an external dashDB database instance (<https://console.ng.bluemix.net/catalog/services/dashdb/>). After you have set-up your dashDB instance, enter your credentials in the plan entry page:



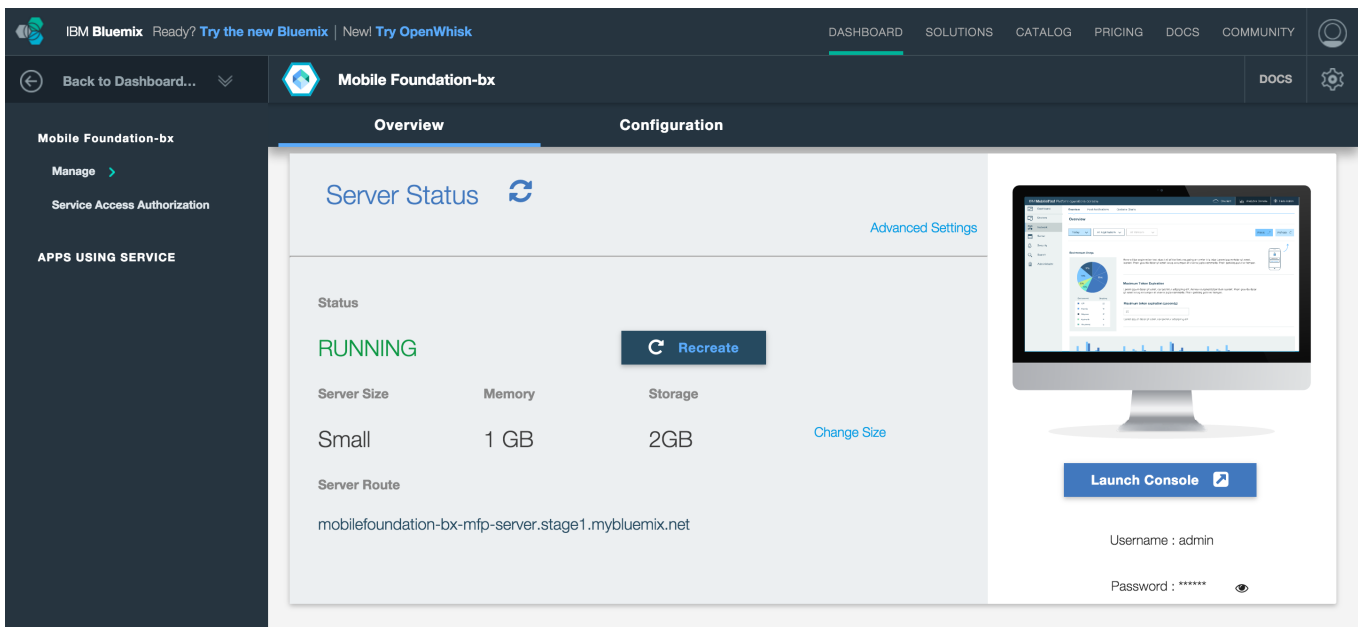
3. Start the MobileFirst Server.
- You can either keep the server configuration at its basic level and click on **Start Basic Server**, or
 - Update the server configuration in the Configuration tab, and click on **Start advanced server**.

During this step an IBM Container is generated for the Mobile Foundation service, and the MobileFirst Foundation environment is being initialized. This takes between 5 to 10 minutes.

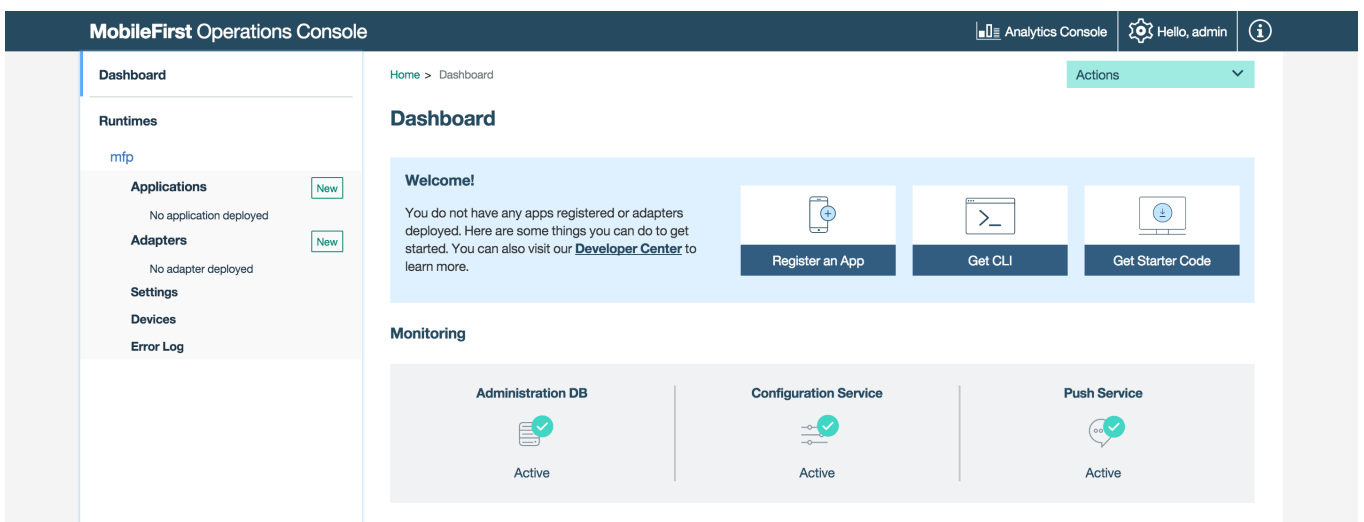


Using the Mobile Foundation Service

With the MobileFirst Server now running, you are presented with the following Dashboard:



Click on **Launch Console** to open the MobileFirst Operations Console. The username is "admin" and the password can be revealed by clicking on the "eye" icon.



Server configuration

The basic server instance consists of:

- A single node (server size: "small")
- 1GB memory
- 2GB storage capacity

Advanced server configuration

Through the Configuration tab, the server instance can be further customized with:

- Varying node, memory and storage combinations
- MobileFirst Operations Console admin password
- LTPA keys
- JNDI configuration
- User registry
- TrustStore

- Operational Analytics configuration
- Database selection (available in the *Professional 1 Application* plan)
- VPN

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Mobile Foundation-3z

Manage >

Service Access Authorization

APPS USING SERVICE

Overview Configuration

Topology Security Server Configuration

Select the Server size plan and the number of instances of the server according to your needs. Based on the size of the Container, charges will be added to your Bluemix billing.

Topology Size

Server Size	S	M	L	XL	XXL
Memory (GB)	1	2	4	8	16
Storage (GB)	64	128	256	512	1024

Further reading

Now that the MobileFirst Server instance is up & running, you can learn more about:

- MobileFirst Operations Console ([../setting-up-your-development-environment/console](#))
- Experience MobileFirst Foundation with these Quick Start tutorials ([../quick-start](#))
- Or read through all available tutorials ([../all-tutorials/](#))