

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 Platform Foundation v8.0 Beta on **IBM Containers**.

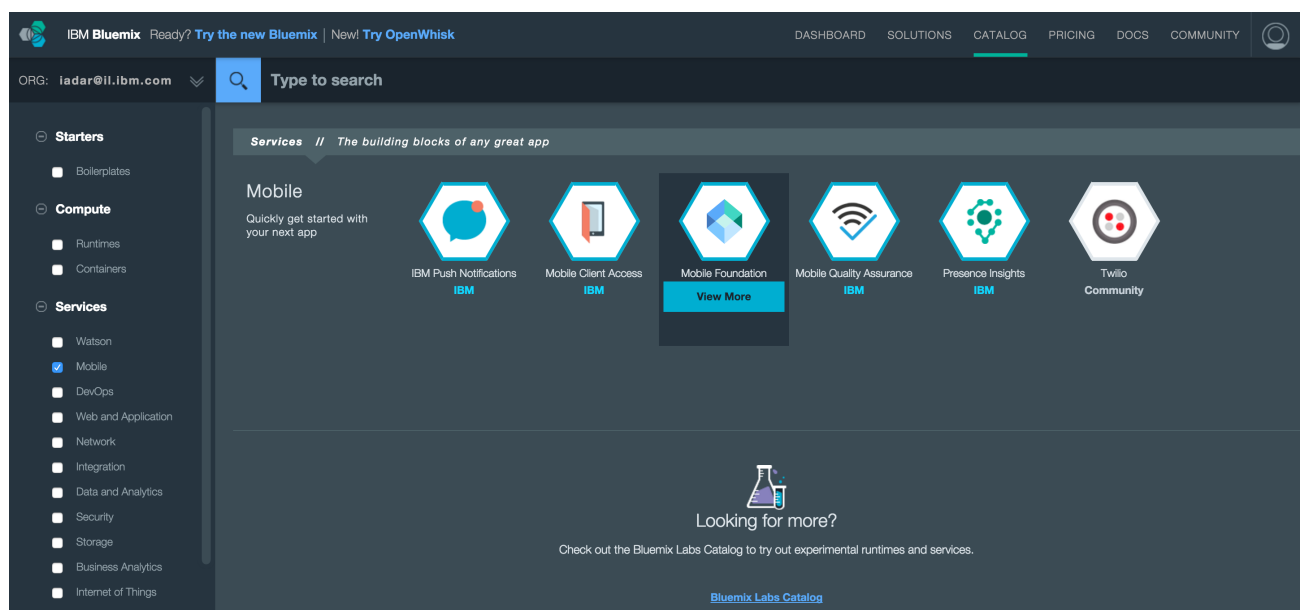
Prerequisite: Make sure to read the Introduction to IBM MobileFirst Platform Foundation on IBM Containers (../) tutorial.

Jump to:

- Using the Mobile Foundation Bluemix service
- Server configuration
- Advanced server configuration
- Further reading

Using the Mobile Foundation Bluemix service

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**. Then, click **Create**.

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Mobile Foundation
IBM

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02/16/2016

AUTHOR
IBM

TYPE
Service

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BETA MobileFirst Platform Foundation helps enterprises deliver on their mobile strategy by reducing both application development integration and maintenance costs, improving time-to-market and enhancing mobile application governance and security.

- What it is:** MobileFirst Platform Foundation includes a comprehensive development environment, mobile-optimized runtime middleware, and an integrated management and analytics console, all supported by various security mechanisms.
- What you get:** This service helps you provision and orchestrate MobileFirst Platform Foundation on the Cloud. Your mobile server(s) will be created in Bluemix Containers, and will provide you with a reliable and scalable environment.
- What can you do:** With MobileFirst Platform Foundation you can connect and synchronize mobile apps with enterprise data, applications and cloud services. Safeguard mobile security at the device, application, data and network layer. Manage your mobile app portfolio from a single central interface with detailed operational analytics.

Pick a plan Monthly prices shown are for country or region: [United States](#)

| Plan | Features | Price |
|--------|---------------------------|-------|
| ✓ Beta | Free + Dependent Services | Free |

This service will provision IBM MobileFirst Platform Foundation server in a Container environment. It will consume the

Add Service

Space:

Service name:

Selected Plan:

[CREATE](#)

- Agree to the Early Beta license terms, provide your Bluemix username and password, and click **Continue**.
- 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 Platform Foundation environment is being initialized.

This takes between 5 to 10 minutes.

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Mobile Foundation-3z

Overview Configuration

Manage

Service Access Authorization

APPS USING SERVICE

Start Building Your Mobile Channel Today

Our platform enables you to build, enhance and continuously deliver mobile apps efficiently and effectively.

[Start Basic Server](#)

[Start Server with Advanced Configuration](#)

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



7. Click on **Launch Console** to open the MobileFirst Operations Console.



Server configuration

The basic server instance consists of:

- A single node
- 512MB memory
- 32GB 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*
- VPN*

Note: The beta release does not support all mentioned features.

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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 Platform Foundation with these Quick Start tutorials ([../quick-start](#))
- Or read through all available tutorials ([../all-tutorials/](#))