Using the MobileFirst Operations Console

Overview

The MobileFirst Foundation Operations Console is a web-based UI which enables simplified work flows for both the developer and the administrator to create, monitor, secure and administer applications & adapters.

As a developer

- Develop applications for any environment and register them to MobileFirst Server.
- See all your deployed applications and adapters at a glance. See the Dashboard.
- Manage and configure registered applications, including Direct Update, remote disablement, and security parameters for application authenticity and user authentication.
- Set up push notification by deploying certificates, creating notification tags, and sending notification.
- Create and deploy adapters.
- Download samples.

As an IT administrator

- Monitor various services.
- Search for devices that access MobileFirst Server and manage their access rights.
- Update adapter configurations dynamically.
- Adjust client logger configurations through log profiles.
- Track how product licenses are used.

Jump to:

- Accessing the console
- Navigating the console

Accessing the console

The MobileFirst Operations Console can be accessed in the following ways:

From a locally installed MobileFirst Server

Desktop Browser

From your browser of choice, load the URL http://localhost:9080/mfpconsole (http://localhost:9080/mfpconsole). The username/password are *admin/admin*.

Command-line

From a **Command-line** window, with the MobileFirst CLI installed, run the command: `mfpdev server console`.

From a remotely installed MobileFirst Server

Desktop Browser

From your browser of choice, load the URL `http://the-server-host:server-port-number/mfpconsole`.
The host server can be either a customer-owned server, or the IBM Bluemix service, IBM Mobile Foundation (../../../bluemix/).

Command-line

From a **Command-line** window, with the MobileFirst CLI installed,

1. Add a remote server definition:

   Interactive Mode

   Run the command: `mfpdev server add` and follow the on-screen instructions.

   Direct Mode

   Run the command with the following structure: `mfpdev server add [server-name] --URL [remote-server-URL] --login [admin-username] --password [admin-password] --contextroot [admin-service-name]`. For example:

   > mfpdev server add MyRemoteServer http://my-remote-host:9080/ --login TheAdmin --password ThePassword --contextroot mfpadmin

2. Run the command: `mfpdev server console MyRemoteServer`.

Learn more about the various CLI commands in the Using CLI to manage MobileFirst artifacts (../../../application-development/using-mobilefirst-cli-to-manage-mobilefirst-artifacts/) tutorial.

Navigating the console

Dashboard

The Dashboard provides a glance view of the deployed projects.

Actions dropdown

The dropdown provides quick access to various console actions.

Runtime settings

Edit runtime properties, global security variables, server keystore and confidential clients.

Home > mfp > Runtime Settings

Actions ⌄

Runtime Settings

Runtime Properties   Keystore   Confidential Clients

Runtime Properties   Edit

Adapters

GZIP compression threshold for adapter responses *

```
20480
```

Compression threshold, in bytes, from which the server tries to compress the MobileFirst adapter response if the client accepts gzip.

Analytics

Additional packages

A comma-separated list of packages that the logger uses to generate the output sent to the MobileFirst Analytics server.

Data collection enabled

```
true                                    ⇕
```

Enables or disables collecting data about applications, adapters, devices, and logs to be sent to the analytics service.

Sidebar navigation:
- **Dashboard**
- ⌄ **mfp runtime**
- **Applications** (0)   [New]
  - No application is registered.
- **Adapters** (0)   [New]
  - No adapter is deployed.
- **Runtime Settings**
- **Error Log**
- **Devices**
- ⬇ **Download Center**

Error log

The Error log shows a list of the failed management operations that were initiated from the MobileFirst Operations Console, or from the command line, on the current runtime environment. Use the log to see the effect of the failure on the servers.

> For more information, see the topic about error log of operations on runtime environments in the user documentation.

MobileFirst Operations Console | Analytics Console | Hello, admin | (i)

Home > mfp > Error Log

Actions ⌄

Error Log

	Date	Type	Name	Details	Value
⌄	May 23, 2016, 11:29 AM	Upload Adapter	sqlAdapter		sqlAdapter.adapter

Error Details

Node	Type	Description
mfp:///9.148.225.168	FAILURE	FWLST0905E: Adapter deployment failed. SQL driver com.mysql.jdbc.Driver was not found in the adapter resources. FWLSE4042I: Security check 'PinCodeAttempts' configuration for param 'inactivityTimeoutSec': 'Missing configuration property, using default value 0'.

	Date	Type	Name	Details	Value
>	May 23, 2016, 11:25 AM	Upload Adapter	sqlAdapter		sqlAdapter.adapter
>	May 15, 2016, 10:12 PM	Multiple Artifacts Upload			
>	May 15, 2016, 4:34 PM	Multiple Artifacts Upload			
>	May 15, 2016, 1:01 PM	Multiple Artifacts Upload			
>	May 10, 2016, 6:39 PM	Delete Adapter	UserLogin		

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Devices

Administrators can search for devices that access the MobileFirst Server and can manage access rights.
Devices can be searched for using either user ID or using a friendly name. The user ID is the identifier that was used to log-in.
A friendly name is a name that is associated with the device to distinguish it from other devices that share the user ID.
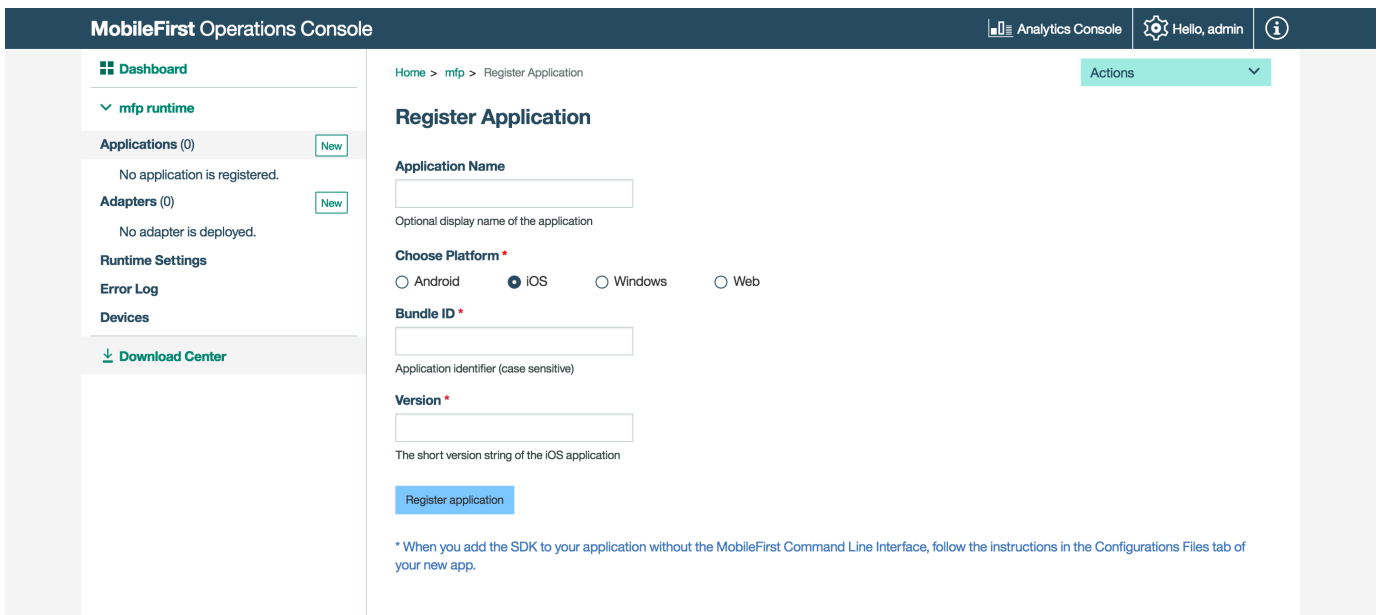
> For more information, see the topic about device access management in the user documentation.

Home > mfp > Devices

Actions ∨

Devices

No devices are registered in this runtime.

Install your application on a device. After the application connects to MobileFirst Server, this page displays details about the device, such as status, OS, model, and ID. You can also control device access to applications.
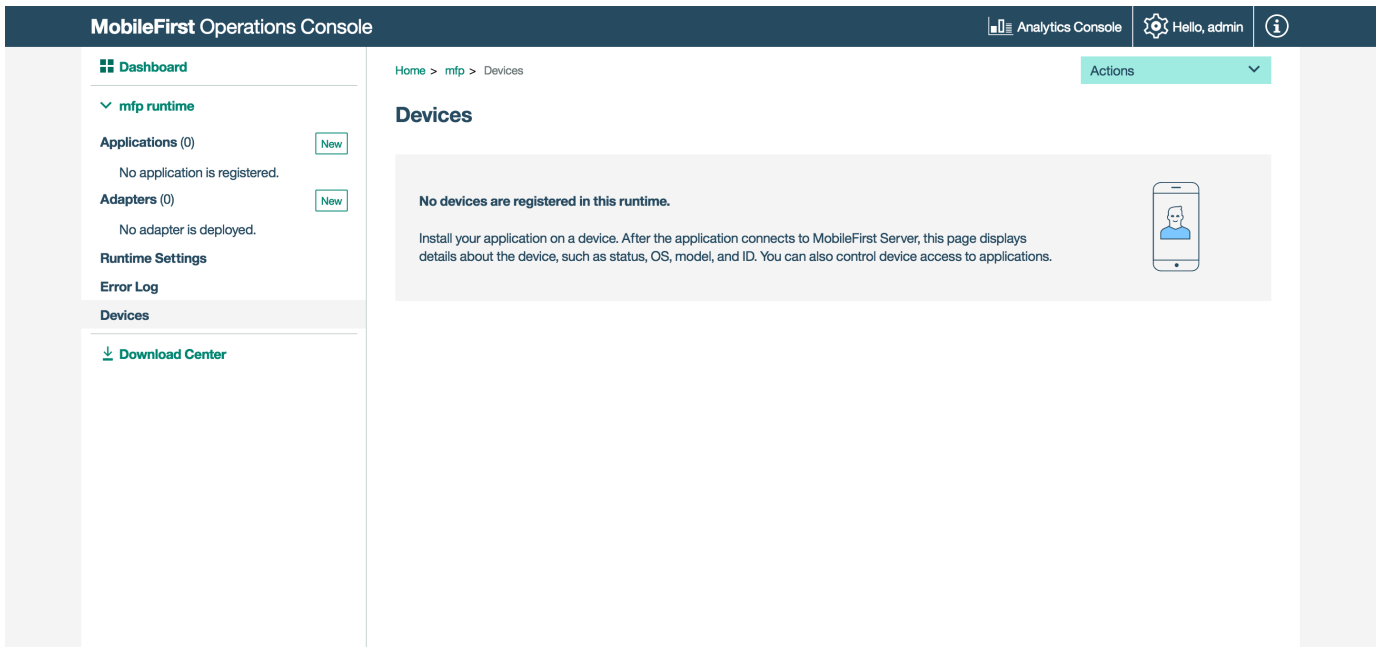
Applications

Registering applications

Provide basic application values and download Starter Code.

Home > mfp > Register Application

Actions ∨

Register Application

Application Name

Optional display name of the application

Choose Platform *

○ Android   ● iOS   ○ Windows   ○ Web

Bundle ID *

Application identifier (case sensitive)

Version *

The short version string of the iOS application

[Register application]

* When you add the SDK to your application without the MobileFirst Command Line Interface, follow the instructions in the Configurations Files tab of your new app.

Managing applications

Manage and configure registered applications by use of Direct Update (../../../application-development/direct-update/), Remote Disable, Application Authenticity (../../../authentication-and-security/application-authenticity/), and setting security parameters (../../../authentication-and-security/).

Authentication and Security

Configure application security parameters, such as the default token expiration value, map scope elements to security checks, define mandatory application scopes and configure security check options.

> Learn more (../../../authentication-and-security/) about the MobileFirst security framework.

Application Settings

Configure the display name of the application in the console as well as the application type and licensing.

Notifications

Set-up push notifications (../../../notifications/) and related parameters, such as certificates and GCM details, define tags, as well as send notifications to devices.

Adapters

Creating adapters

Register a MobileFirst adapter (../../../adapters/) and download Starter Code, as well as update an adapter on-the-fly by updating its properties without needing to re-build and re-deploy the adapter artifact.

Adapter properties

After an adapter is deployed, it can be configured in the console.

Client logs

Administrators can use log profiles to adjust client logger configurations, such as log level and log package filters, for any combination of operating system, operating system version, application, application version, and device model.

When an administrator creates a configuration profile, the log configuration is concatenated with responses API calls such as `WLResourceRequest`, and is applied automatically.

> For more information, see the topic about client-side log capture configuration in the user documentation.
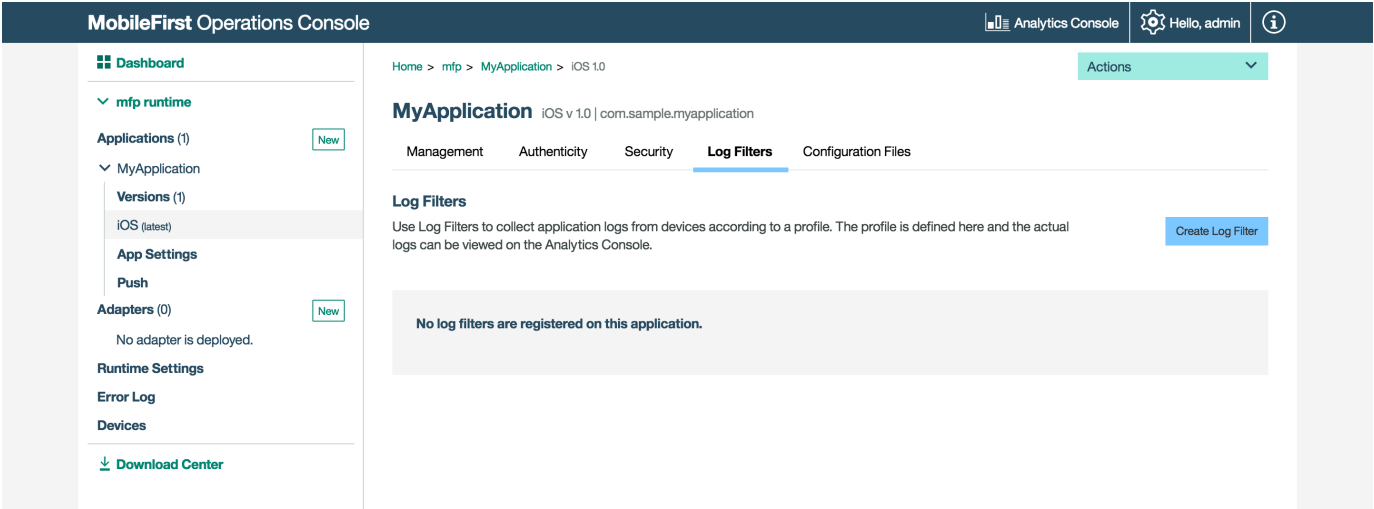
License tracking

Accessible from the top Settings buttons.

License terms vary depending on which edition (Enterprise or Consumer) of MobileFirst Foundation is being used. License tracking is enabled by default and tracks metrics relevant to the licensing policy, such as active client devices and installed applications. This information helps determine whether the current usage of MobileFirst Foundation is within the license entitlement levels and can prevent potential license violations.

By tracking the usage of client devices and determining whether the devices are active, administrators can decommission devices that should no longer be accessing the service. This situation might arise if an employee has left the company, for example.

> For more information, see the topic about license tracking in the user documentation.
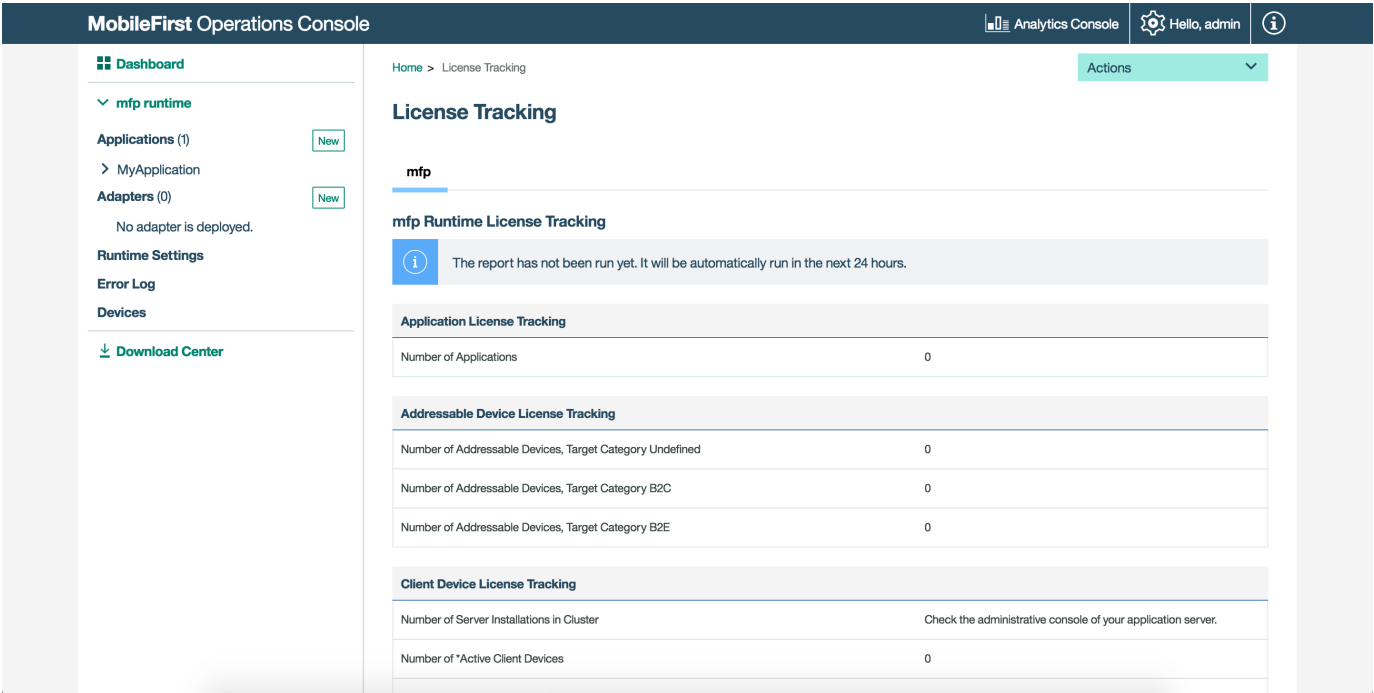
Downloads

For situations where Internet connectivity is not available, you can download a snapshot of the various development artifacts of MobileFirst Foundation from the Download Center in the MobileFirst Console.

Home > Download Center

Actions ⌄

Download Center

Tools   SDKs   Samples

MobileFirst CLI

Use the MobileFirst Platform Command Line Interface (CLI) to manage and develop applications.

Learn more about MobileFirst CLI on npmjs.com

☑ **Prerequisite**   npm commands require **Node.js to be installed**

⊡ **Install latest version**   `npm install -g mfpdev-cli`

⊡ **Install local version**   `npm install -g <path-to-mfpdev-cli.tgz>`

Download   ⤓

Adapter Archetypes

Use Maven artifacts to create and develop adapters.

Dashboard

⌄ **mfp runtime**

Applications (0)   New
  No application is registered.
Adapters (0)   New
  No adapter is deployed.
Runtime Settings
Error Log
Devices

⤓ **Download Center**

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GitHub
(https://github.com/MobileFirst-Platform-Developer-Center)

Site

RSS feed
(file:////home/travis/build/MFPSamples/DevCenter/site/atom.xml)
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