

Using the MobileFirst Platform Operations Console

fork and edit tutorial (<https://github.ibm.com/MFPSamples/DevCenter/tree/master/tutorials/en/foundation/8.0/setting-up-your-development-environment/console/index.md>) | report issue (<https://github.ibm.com/MFPSamples/DevCenter/issues/new>)

Overview

The MobileFirst Platform 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.

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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 a customer-owner server, or running on a service such as Bluemix. The username/password are *admin/admin*.

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](#) ([../using-the-mfpf-sdk/using-cli-to-manage-mobilefirst-artifacts/](#)) tutorial.

Navigating the console

Dashboard

The Dashboard provides a glance view of the deployed projects.



Runtime settings

Edit runtime properties such as Analytics server URL, global security variables, server keystore and confidential clients.



Applications

Creating applications

Provide basic application values and download Starter Code.

The screenshot shows the 'MobileFirst Operations Console' interface. The left sidebar contains a navigation menu with 'Dashboard', 'Runtimes', 'Applications', 'Adapters', 'Settings', 'Devices', and 'Error Log'. The 'Applications' section is selected, showing a 'New' button and the text 'No application deployed'. The main content area is titled 'Register an Application' and contains the following fields:

- Application Name:** A text input field with a placeholder 'Optional display name of the Application'.
- Choose Platform:** Three radio buttons: 'Android', 'iOS' (selected), and 'Windows'.
- Bundle ID:** A text input field with a placeholder 'Application Identifier; case sensitive'.
- Version:** A text input field with a placeholder 'Application Version'.

At the bottom of the form is a blue button labeled 'Register application'. The top right of the console shows 'Analytics Console', 'Hello, admin', and an information icon.

Managing applications

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

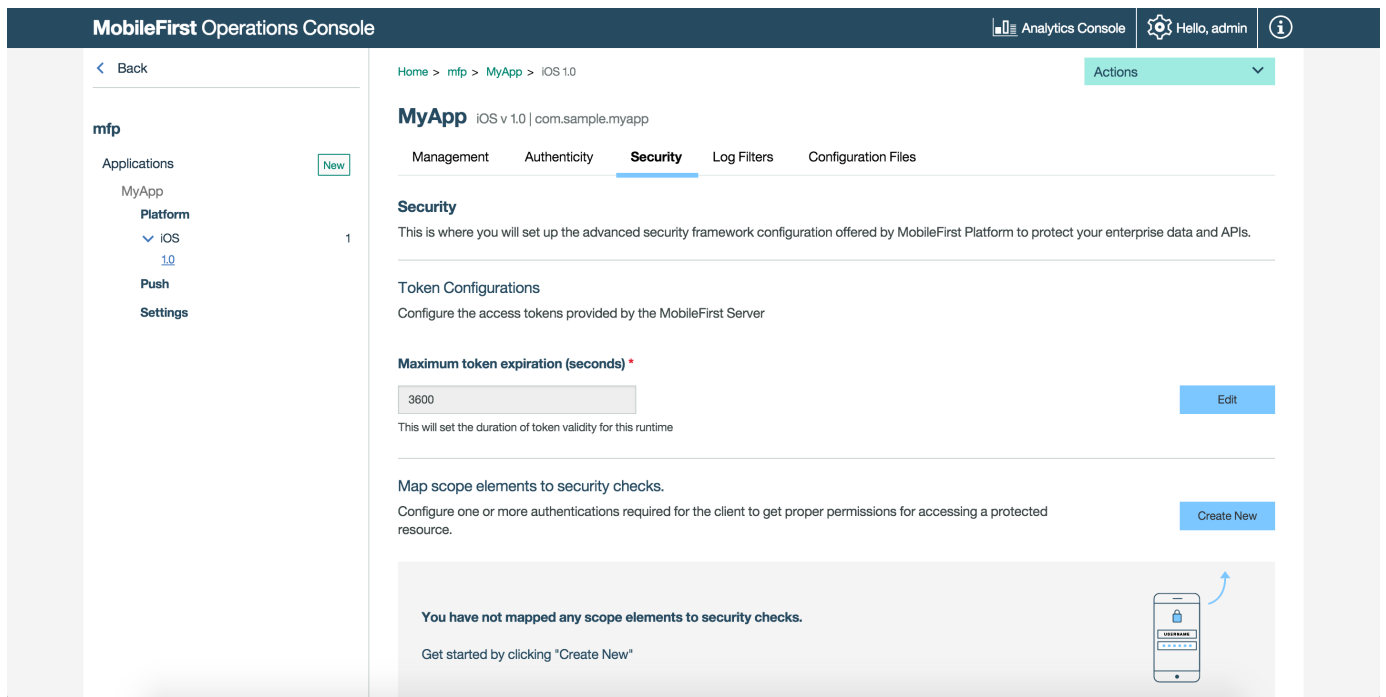
The screenshot shows the 'MobileFirst Operations Console' interface for managing a specific application. The left sidebar shows the navigation menu, with 'MyApp' selected under 'Applications'. The main content area is titled 'MyApp' and shows 'iOS v 1.0 | com.sample.myapp'. The 'Management' tab is selected, showing the following information:

- Last modified:** Feb 15, 2016, 10:40 PM
- Application Access:** A section with a 'Status:' label and three radio buttons: 'Active' (selected), 'Active and Notifying', and 'Access Disabled'.
- Direct Update:** A section with the text 'Deliver an update to a Cordova cross-platform application by uploading a new web resources (HTML, JavaScript, and CSS) archive.' Below this is a box containing the text 'No Web resources deployed' and a blue button labeled 'Upload Web Resources File'.

The top right of the console shows 'Analytics Console', 'Hello, admin', and an information icon.

Authentication and Security

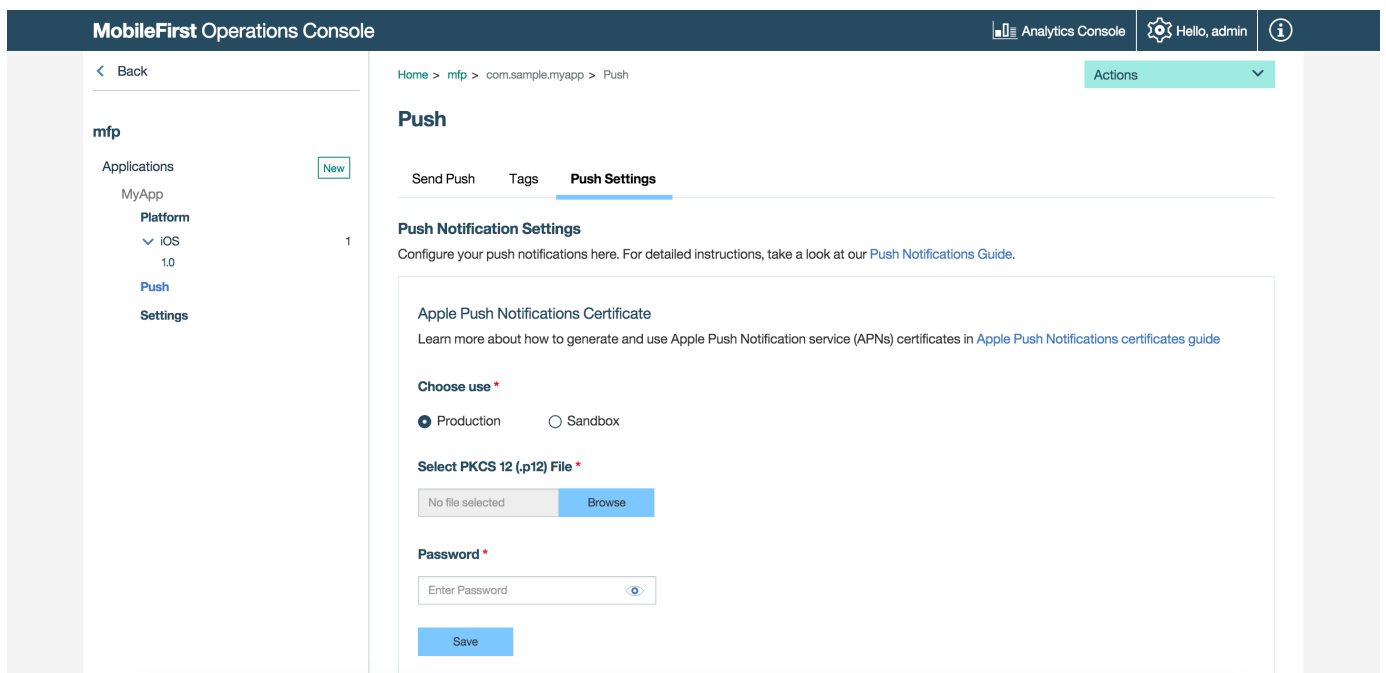
Configure application security parameters.



The screenshot shows the MobileFirst Operations Console interface. The top navigation bar includes the title 'MobileFirst Operations Console', an 'Analytics Console' link, a user profile 'Hello, admin', and an information icon. The left sidebar shows a breadcrumb trail: 'Home > mfp > MyApp > iOS 1.0'. The main content area is titled 'MyApp iOS v 1.0 | com.sample.myapplication' and has tabs for 'Management', 'Authenticity', 'Security' (selected), 'Log Filters', and 'Configuration Files'. The 'Security' section is titled 'Security' and contains a description: 'This is where you will set up the advanced security framework configuration offered by MobileFirst Platform to protect your enterprise data and APIs.' Below this, there is a 'Token Configurations' section with the text 'Configure the access tokens provided by the MobileFirst Server'. A form field for 'Maximum token expiration (seconds) *' is set to '3600', with an 'Edit' button. A 'Map scope elements to security checks' section follows, with a 'Create New' button. At the bottom, a message states 'You have not mapped any scope elements to security checks.' with a 'Get started by clicking "Create New"' instruction and an illustration of a smartphone.

Notifications

Set-up push notifications ([../../notifications/push-notifications-overview/](#)) and related parameters, such as tags, as well as sending notifications.



The screenshot shows the MobileFirst Operations Console interface for the 'Push' settings. The top navigation bar is the same as the previous screenshot. The left sidebar shows the breadcrumb trail: 'Home > mfp > com.sample.myapplication > Push'. The main content area is titled 'Push' and has tabs for 'Send Push', 'Tags', and 'Push Settings' (selected). The 'Push Settings' section is titled 'Push Notification Settings' and contains the text 'Configure your push notifications here. For detailed instructions, take a look at our [Push Notifications Guide](#).' Below this, there is a form for 'Apple Push Notifications Certificate'. It includes a link to 'Learn more about how to generate and use Apple Push Notification service (APNs) certificates in [Apple Push Notifications certificates guide](#)'. A 'Choose use *' section has two radio buttons: 'Production' (selected) and 'Sandbox'. A 'Select PKCS 12 (.p12) File *' section has a 'No file selected' button and a 'Browse' button. A 'Password *' section has an 'Enter Password' input field and a 'Save' button.

Adapters

Creating adapters

Register an adapter 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.

The screenshot shows the 'Create a new Adapter' page in the MobileFirst Operations Console. The left sidebar contains a navigation menu with 'Dashboard', 'Runtimes', 'mfp', 'Applications', 'Adapters', 'Settings', 'Devices', and 'Error Log'. The main content area is titled 'Create a new Adapter' and includes a 'Deploy Adapter' button. Below the title, there is a section 'Follow these steps to create an adapter' with a 'Hide guide' link. The first step is 'Set up your development environment', which includes instructions on using Maven or the MobileFirst Platform Foundation command line tool. It also mentions installing the command line interface (CLI) and provides a terminal command: `npm install -g mfpdev-cli`. The final step is 'Installing Maven', which directs the user to the Apache Maven website for download and installation instructions.

Adapter properties

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

The screenshot shows the 'javaAdapter' configuration page in the MobileFirst Operations Console. The left sidebar is the same as the previous screenshot. The main content area is titled 'javaAdapter' and includes a 'Delete' button. Below the title, there are tabs for 'Configurations', 'Resources', and 'Configuration Files'. The 'Resources' tab is selected, showing a table of resources. The table has three columns: 'URL', 'Methods', and 'Security'. The resources listed are:

URL	Methods	Security
/users	GET	
/users/helloUserQuery	GET	
/users/newUsers	PUT	
/users/{first}/{middle}/{last}	POST	
/users/{username}	GET	

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 MobileFirst Operations Console in the user documentation.

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 from MobileFirst Operations Console in the user documentation.

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.



License tracking

Accessible from the top Settings buttons.

License terms vary depending on which edition (Enterprise or Consumer) of MobileFirst Platform 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 Platform 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 Platform Foundation from the Downloads page.

Dashboard

Runtimes

mfp

Applications

New

No application deployed

Adapters

New

No adapter deployed

Settings

Devices

Error Log

Home > Downloads

Actions



Downloads

Applications Adapters Tools

MobileFirst Platform Development CLI

Download this thing and then run `npm install -g mfpdev-cli.tgz`

Download



Adapter Tooling

Everything you need to develop adapters using Maven.

Download



MobileFirst Extension for OAuth Security

You can protect your resources that are running on WebSphere® Application Server or WebSphere Application Server Liberty servers with OAuth-based IBM MobileFirst™ Platform Foundation security.

Download



MobileFirst SDKs for Mobile Application Development

Select the SDK for the mobile application platform for which you are developing