

Using the MobileFirst Operations Console

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', 'mfp', 'Applications' (with a 'New' button), 'Adapters' (with a 'New' button), 'Settings', 'Devices', and 'Error Log'. The main content area is titled 'Register an Application' and includes the following fields and options:

- Application Name:** A text input field with a placeholder 'Optional display name of the Application'.
- Choose Platform:** Radio buttons for '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'.
- Register application:** A blue button at the bottom.

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/authorization-concepts/).

The screenshot shows the 'MobileFirst Operations Console' interface for managing a specific application. The left sidebar is updated to show 'MyApp' under 'Applications'. The main content area is titled 'MyApp' and includes the following sections:

- Management:** The active tab, showing 'MyApp iOS v 1.0 | com.sample.myapp' and 'Last modified: Feb 15, 2016, 10:40 PM'.
- Application Access:** A section with 'Status: *' and three radio buttons: 'Active' (selected), 'Active and Notifying', and 'Access Disabled'.
- Direct Update:** A section with the description 'Deliver an update to a Cordova cross-platform application by uploading a new web resources (HTML, JavaScript, and CSS) archive.' and a button '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, such as the default token expiration value, map scope elements to security checks, define, mandatory application scopes and configure security check options.

The screenshot shows the MobileFirst Operations Console interface. The top navigation bar includes 'MobileFirst Operations Console', 'Analytics Console', and user information 'Hello, admin'. 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.myapp' and has tabs for 'Management', 'Authenticity', 'Security' (selected), 'Log Filters', and 'Configuration Files'. Under the 'Security' tab, there's a section 'Token Configurations' with a description: 'Configure the access tokens provided by the MobileFirst Server'. Below this is a form for 'Maximum token expiration (seconds) *' with a value of '3600' and an 'Edit' button. A note states: 'This will set the duration of token validity for this runtime'. Further down is a section 'Map scope elements to security checks.' with a description: 'Configure one or more authentications required for the client to get proper permissions for accessing a protected resource.' and a 'Create New' button. At the bottom, a message says: 'You have not mapped any scope elements to security checks. Get started by clicking "Create New"'. An illustration of a smartphone is shown on the right.

Notifications

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

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 a breadcrumb trail: 'Home > mfp > com.sample.myapp > Push'. The main content area is titled 'Push' and has tabs for 'Send Push', 'Tags', and 'Push Settings' (selected). Under the 'Push Settings' tab, there's a section 'Push Notification Settings' with a description: 'Configure your push notifications here. For detailed instructions, take a look at our [Push Notifications Guide](#).' Below this is a form for 'Apple Push Notifications Certificate' with a description: 'Learn more about how to generate and use Apple Push Notification service (APNs) certificates in [Apple Push Notifications certificates guide](#)'. The form has a 'Choose use *' section with radio buttons for 'Production' (selected) and 'Sandbox'. Below this is a 'Select PKCS 12 (.p12) File *' section with a 'No file selected' button and a 'Browse' button. At the bottom is a 'Password *' section with 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 'MobileFirst Operations Console' interface. The left sidebar contains a navigation menu with 'Dashboard', 'Runtimes', 'mfp', 'Applications' (with a 'New' button), 'Adapters' (with a 'New' button), '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 '1 Set up your development environment', which includes instructions on using Maven or the MobileFirst Platform Foundation command line tool. It also features a sub-section 'Installing the command line interface (CLI)' with instructions to download and install Node.js and the MFP CLI using npm. A code block shows the command: `npm install -g mfpdev-cli`. Another sub-section 'Installing Maven' provides instructions to follow the Apache Maven website for downloading and installing Maven.

Adapter properties

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

The screenshot shows the 'MobileFirst Operations Console' interface for configuring a 'javaAdapter'. The left sidebar is similar to the previous screenshot, but with 'Settings' and 'Applications' (with a 'Create new' button) highlighted. The main content area is titled 'javaAdapter' and includes a 'Delete' button. Below the title, there are tabs for 'Configurations', 'Resources' (which is active), and 'Configuration Files'. The 'Resources' tab displays a table of resources with columns for 'URL', 'Methods', and 'Security'. The table contains five rows of data.

| 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

ApplicationsAdaptersTools

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