

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.

Jump to:

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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 active, showing 'No application deployed' and a 'New' button. The main content area is titled 'Register an Application' and includes the following fields: 'Application Name' (text input), 'Optional display name of the Application' (text input), 'Choose Platform' (radio buttons for Android, iOS, and Windows, with iOS selected), 'Bundle ID' (text input, labeled as 'Application Identifier; case sensitive'), and 'Version' (text input, labeled as 'Application Version'). A 'Register application' button is at the bottom.

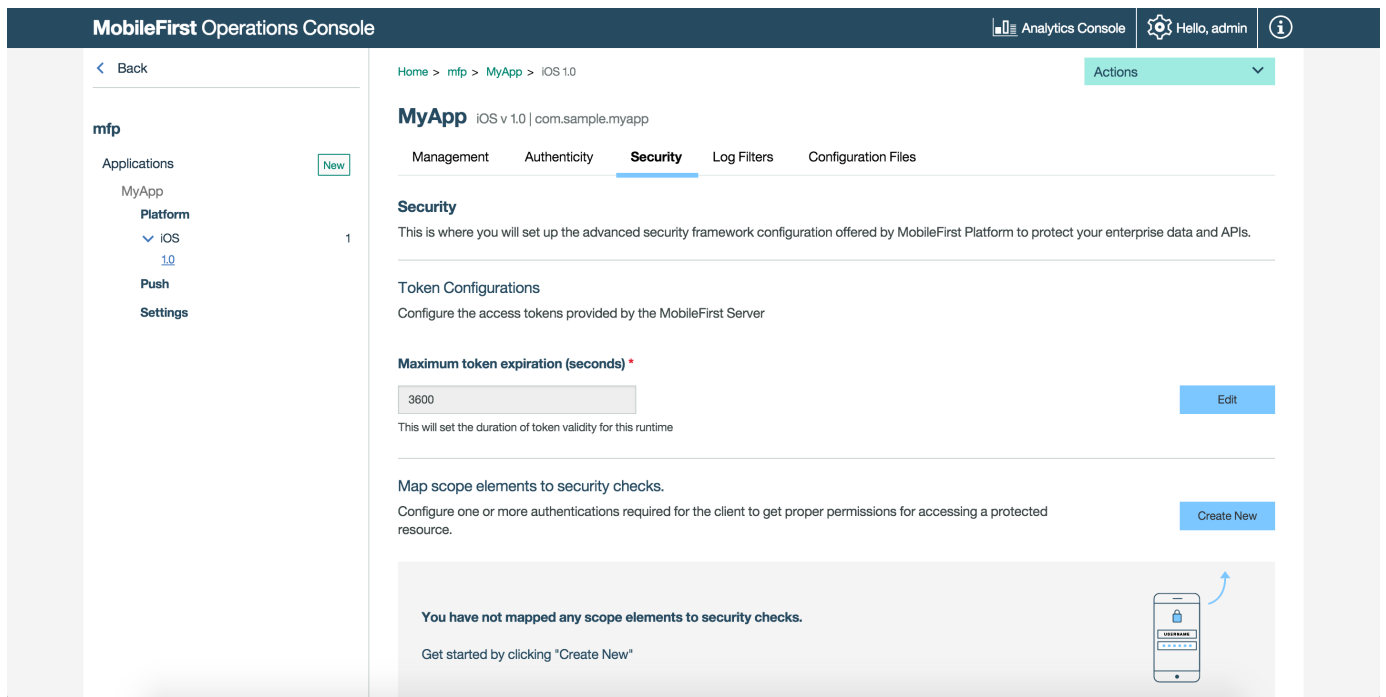
Managing applications

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 shows the navigation menu with 'MyApp' selected under 'Applications'. The main content area is titled 'MyApp' and shows 'iOS v 1.0 | com.sample.myapplication'. The 'Management' tab is active, showing 'Last modified: Feb 15, 2016, 10:40 PM'. Below this, the 'Application Access' section shows 'Status: *' with radio buttons for 'Active' (selected), 'Active and Notifying', and 'Access Disabled'. The 'Direct Update' section describes the process of delivering an update to a Cordova cross-platform application by uploading a new web resources (HTML, JavaScript, and CSS) archive. A button 'Upload Web Resources File' is present.

Authentication and Security

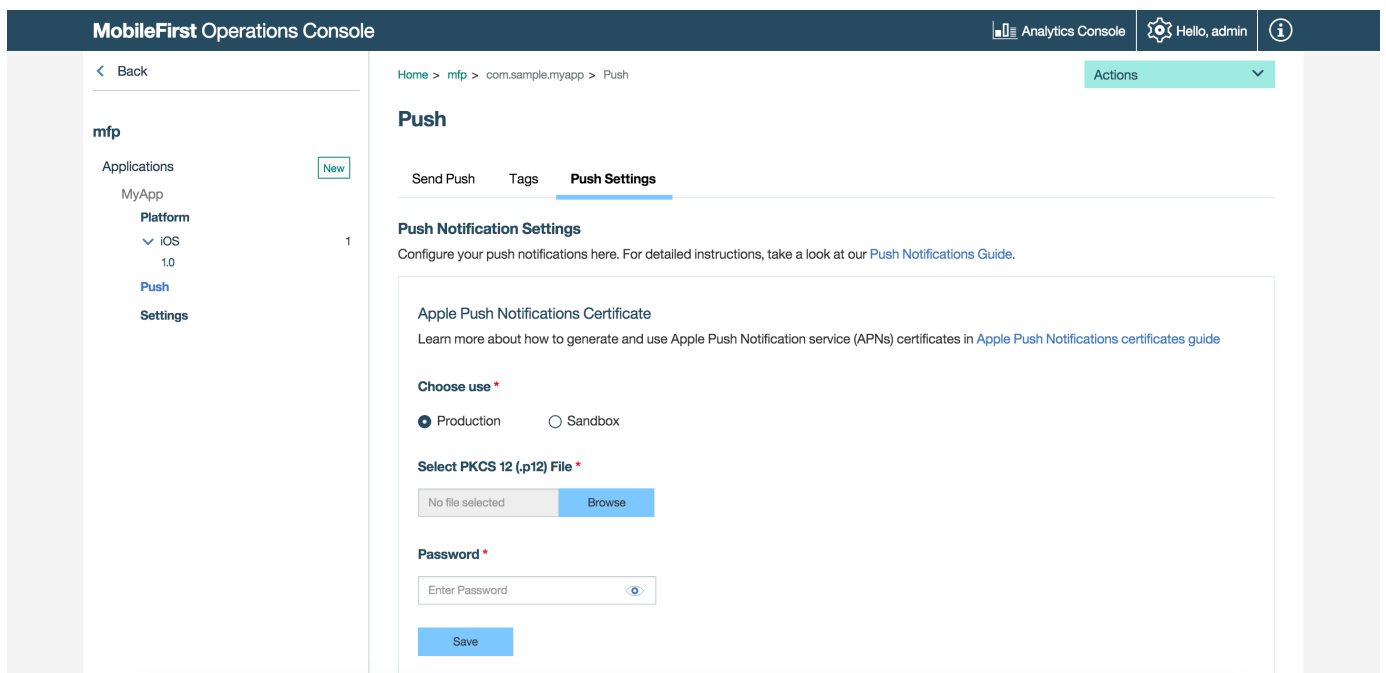
Configure application security parameters, such as the default token expiration value, map scope elements to security checks, define, mandatory application scopes and configure security check options.



The screenshot shows the MobileFirst Operations Console interface. The top navigation bar includes 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' and shows the 'Security' tab selected. It includes sections for 'Token Configurations' and 'Map scope elements to security checks'. A form for 'Maximum token expiration (seconds)' is set to 3600. A 'Create New' button is visible for mapping scope elements. A message at the bottom states: 'You have not mapped any scope elements to security checks. Get started by clicking "Create New"'. An illustration of a smartphone with a lock icon is also present.

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 the breadcrumb trail: 'Home > mfp > com.sample.myapp > Push'. The main content area is titled 'Push' and shows the 'Push Settings' tab selected. It includes a section for 'Apple Push Notifications Certificate' with a link to the 'Apple Push Notifications certificates guide'. There are radio buttons for 'Choose use' (Production is selected, Sandbox is unselected). A 'Select PKCS 12 (.p12) File' section has a 'Browse' button. A 'Password' field is also present. A 'Save' button is at the bottom.

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' (with a 'New' button), 'Adapters' (with a 'New' button), 'Settings', 'Devices', and 'Error Log'. The main content area has a breadcrumb 'Home > mfp > Create a new Adapter' and an 'Actions' dropdown with a 'Deploy Adapter' button. The title is 'Create a new Adapter'. Below the title, a paragraph explains that adapters are used to securely connect back-end systems to client applications and cloud services. A section titled 'Follow these steps to create an adapter' includes a 'Hide guide' link and a numbered list starting with '1 Set up your development environment'. This section contains text about development environments supporting Maven and instructions for installing the command line interface (CLI) using Node.js and npm, followed by the command `npm install -g mfpdev-cli`. It also includes a section for 'Installing Maven' with a link to the Apache Maven website.

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 similar to the previous screenshot, but the 'Adapters' section is expanded, showing 'javaAdapter' with a 'Create new' button. The main content area has a breadcrumb 'Home > mfp > javaAdapter' and a 'Delete' button. The title is 'javaAdapter'. Below the title, there are tabs for 'Configurations', 'Resources' (which is selected), and 'Configuration Files'. The 'Resources' tab displays a table of resources.

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

No application deployed

New

Adapters

No adapter deployed

New

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