

Using the MobileFirst Platform Operations Console

fork and edit tutorial (<https://github.ibm.com/MFPSamples/DevCenter/tree/master/tutorials/en/foundation/8.0/quick-start/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:

- 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 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 'Register an Application' page in the MobileFirst Operations Console. The left sidebar contains a navigation menu with 'Dashboard', 'Runtimes', 'Applications', 'Adapters', 'Settings', 'Devices', and 'Error Log'. The main content area has a breadcrumb 'Home > mfp > Register an Application' and a 'Register an Application' heading. Below this, there are form fields for 'Application Name' (with a description 'Optional display name of the Application'), 'Choose Platform' (with radio buttons for Android, iOS (selected), and Windows), 'Bundle ID' (with a description 'Application Identifier; case sensitive'), and 'Version' (with a description 'Application Version'). A 'Register application' button is at the bottom.

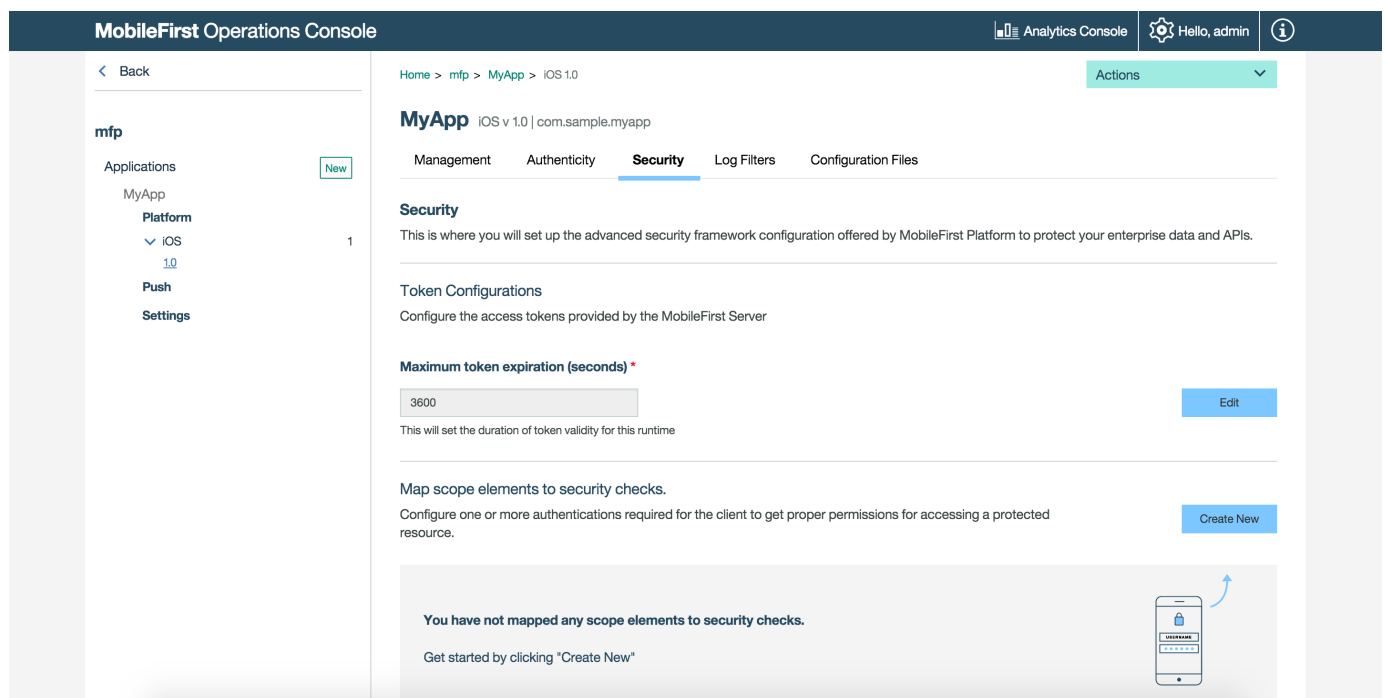
Managing applications

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/authentication-concepts/).

The screenshot shows the 'MyApp' management page in the MobileFirst Operations Console. The left sidebar shows a navigation menu with 'Back', 'mfp', 'Applications', 'MyApp', 'Platform', 'iOS', '1.0', 'Push', and 'Settings'. The main content area has a breadcrumb 'Home > mfp > MyApp > iOS 1.0' and a 'MyApp' heading. Below this, there are tabs for 'Management', 'Authenticity', 'Security', 'Log Filters', and 'Configuration Files'. The 'Management' tab is active, showing 'Last modified: Feb 15, 2016, 10:40 PM'. Below this, there is an 'Application Access' section with a 'Status' field (radio buttons for Active (selected), Active and Notifying, and Access Disabled). Below this, there is a 'Direct Update' section with a 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'.

Authentication and Security

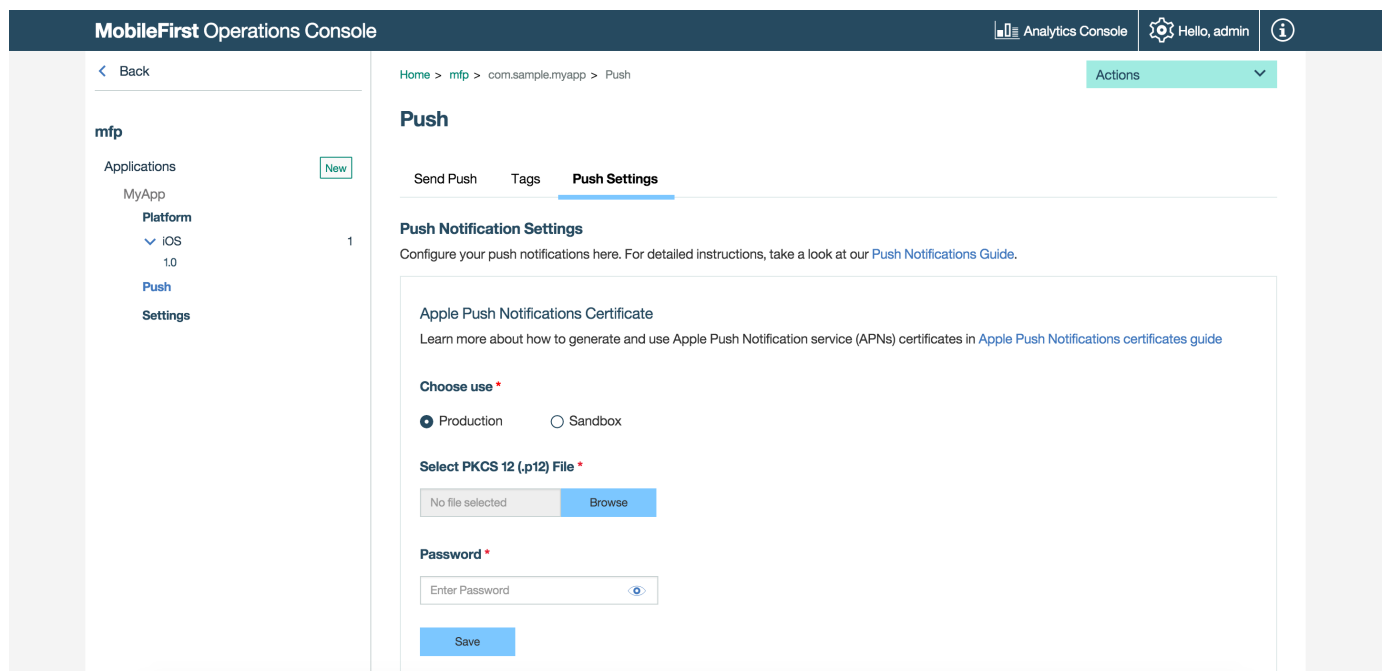
Configure application security parameters.



The screenshot shows the MobileFirst Operations Console interface. The top navigation bar includes 'Analytics Console', 'Hello, admin', and an information icon. The left sidebar shows a tree view with 'mfp' as the root, containing 'Applications' (with a 'New' button), 'MyApp', 'Platform' (with a sub-item 'iOS' and a '1' next to it), 'Push', and 'Settings'. The main content area is titled 'MyApp iOS v 1.0 | com.sample.myapplication'. Below this are tabs for 'Management', 'Authenticity', 'Security' (which is active), 'Log Filters', and 'Configuration Files'. The 'Security' section has a subtitle 'This is where you will set up the advanced security framework configuration offered by MobileFirst Platform to protect your enterprise data and APIs.' It includes a 'Token Configurations' section with a description 'Configure the access tokens provided by the MobileFirst Server' and a form for 'Maximum token expiration (seconds) *' with a value of '3600' and an 'Edit' button. Below this is a 'Map scope elements to security checks' section 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, there is a message: 'You have not mapped any scope elements to security checks. Get started by clicking "Create New"' accompanied by 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 same tree view, but the 'Push' item is now selected. The main content area is titled 'Push' and has tabs for 'Send Push', 'Tags', and 'Push Settings' (which is active). Below the tabs is a section titled 'Push Notification Settings' with a subtitle 'Configure your push notifications here. For detailed instructions, take a look at our [Push Notifications Guide](#).' The settings form includes a section for 'Apple Push Notifications Certificate' with a link to 'Learn more about how to generate and use Apple Push Notification service (APNs) certificates in [Apple Push Notifications certificates guide](#)'. It 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. There is also a 'Password *' section with an 'Enter Password' input field and a 'Save' button.

Adapters

Creating adapters

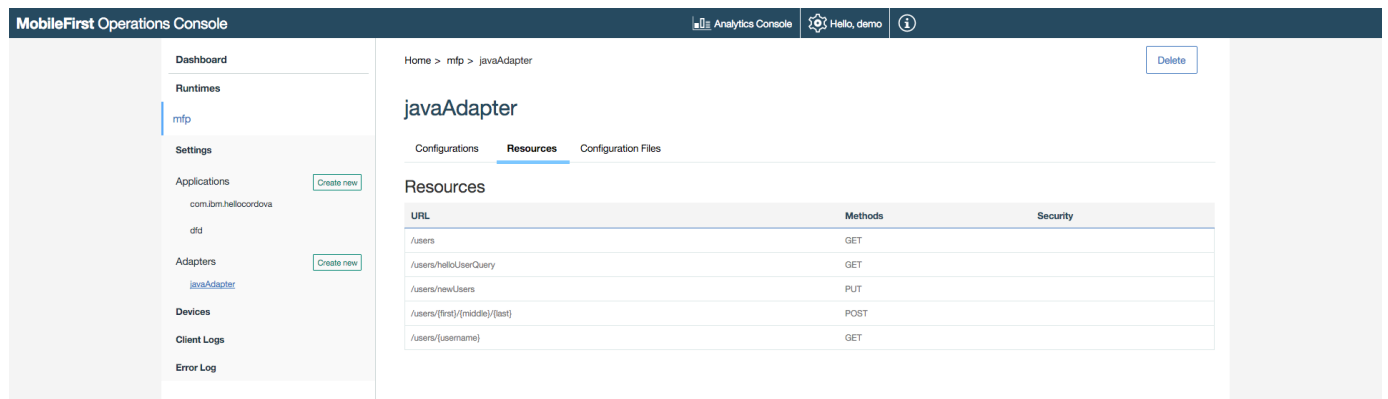
Register an adapter and download Starter Code, as well as update an adapter on-the-fly by updating its properties without needing to re-build and re-deploy the adapter artifact.

update image



Adapter properties

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



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.

replace with image showing logged devices

MobileFirst Operations Console

Analytics Console

Hello, demo

Dashboard

Runtimes

mfpmfp

Settings

Applications

Create new

MyBankApp

Adapters

Create new

No adapter deployed

Devices

Client Logs

Error Log

Home > mfp > Devices

Devices

No device registered in this runtime

Tip: when you will have devices registered in this runtime you will be able to edit them here.

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.

MobileFirst Operations Console

Analytics Console

Hello, admin

Back

mfpmfp

Applications

New

MyApp

Platform

▼

iOS

1.0

Push

Settings

Home > mfp > MyApp > iOS 1.0

MyApp iOS v 1.0 | come.sample.myapp

Management

Authenticity

Security

Log Filters

Configuration Files

Log Filters

Use Log Filters to collect application logs from devices according to a profile. The profile is defined here, and the actual logs can be viewed on the Analytics Console

Create Log Filter

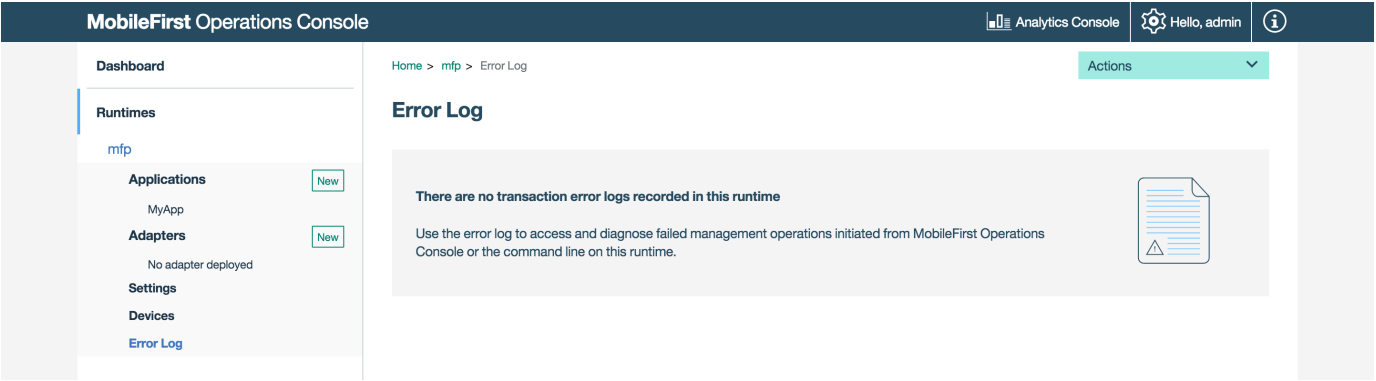
You have not set up any Log Filters yet

You can use log filters to control the level of logs collected on an application user's device. In this way, you ensure that logs are collected according to the level of information required at a given time.

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.

replace with image showing license information

