

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.

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
```

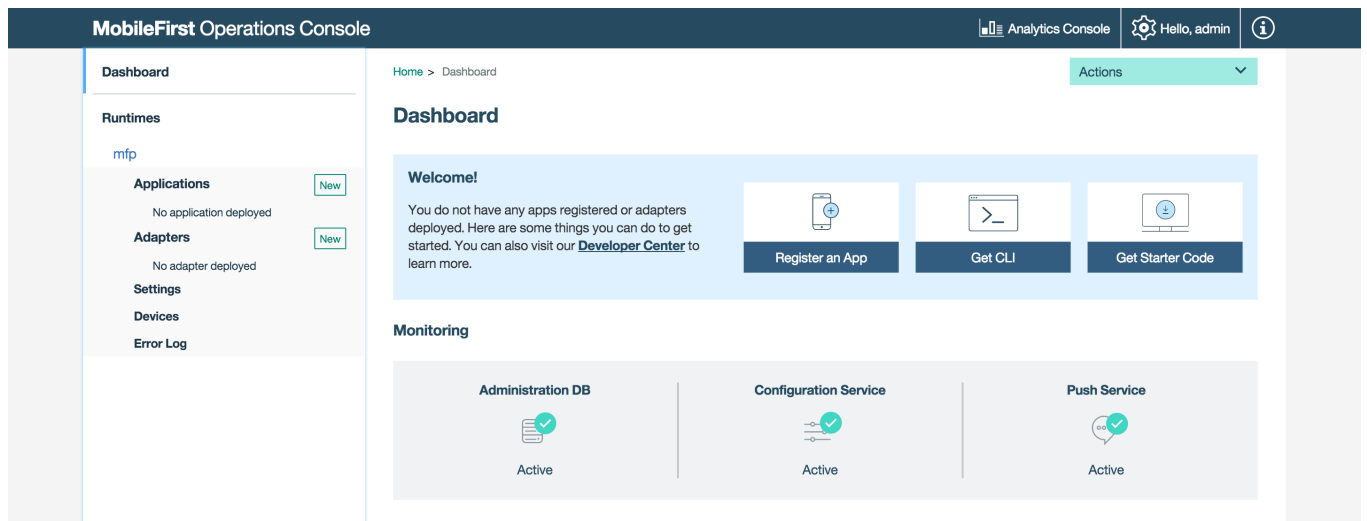
2. Run the command: `mfpdev server console MyRemoteServer`.

Learn more about the various CLI commands in the [Using CLI to manage MobileFirst artifacts \(../../using-the-mfpf-sdk/using-mobilefirst-developer-cli-to-manage-mobilefirst-artifacts/\)](#) tutorial.

Navigating the console

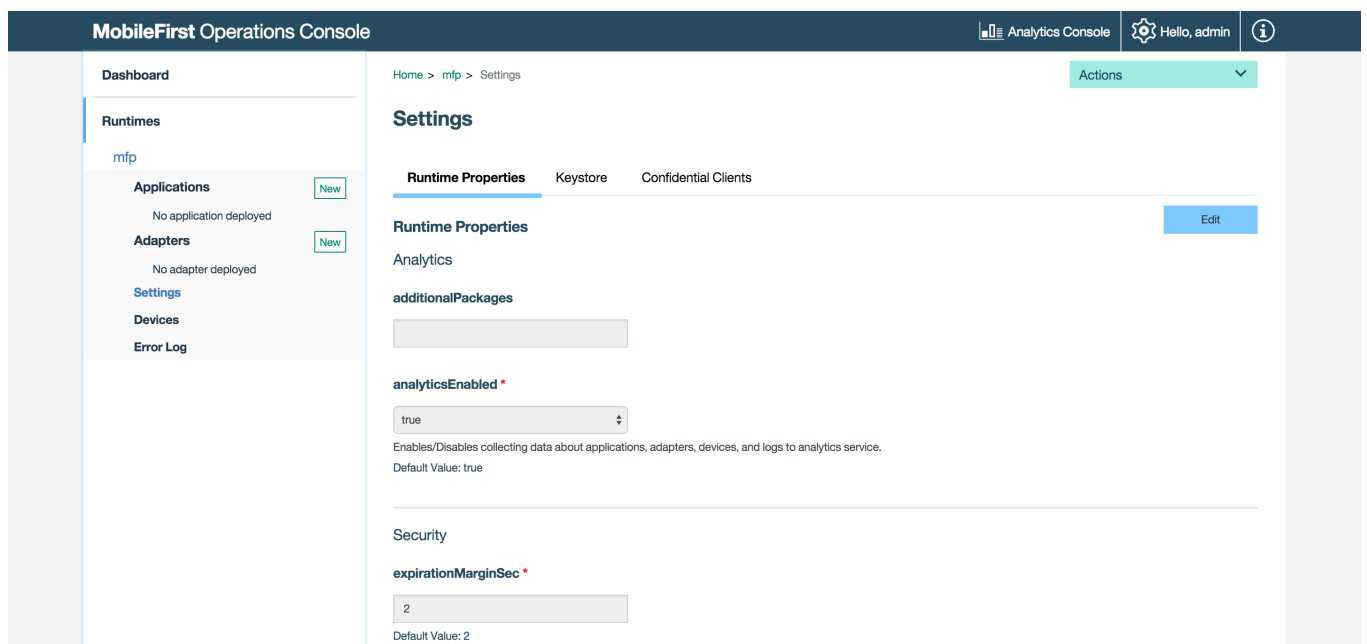
Dashboard

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.

MobileFirst Operations Console

Analytics ConsoleHello, admin

Dashboard

Runtimes

mfp

Applications

New

No application deployed

Adapters

New

No adapter deployed

Settings

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Error Log

Home > mfp > Register an Application

Actions

Register an Application

Application Name

Optional display name of the Application

Choose Platform *

Android

☒ iOS

Windows

Bundle ID *

Application Identifier; case sensitive

Version *

Application Version

Register application

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/).

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Applications

New

MyApp

Platform

▼ iOS

1.0

Push

Settings

Home > mfp > MyApp > iOS 1.0

Actions

MyApp iOS v 1.0 | com.sample.myapp

ManagementAuthenticitySecurityLog FiltersConfiguration Files

Last modified: Feb 15, 2016, 10:40 PM

Application Access

Status: *

☒ Active

☐ Active and Notifying

☐ Access Disabled

Direct Update

Deliver an update to a Cordova cross-platform application by uploading a new web resources (HTML, JavaScript, and CSS) archive.

No Web resources deployedUpload Web Resources File

Authentication and Security

Configure application security paramteres, 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.myapplication' 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: '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's 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, there's 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.myapplication > 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, there's 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](#)'. There's a 'Choose use *' section with two radio buttons: 'Production' (selected) and 'Sandbox'. Below this, there's a 'Select PKCS 12 (.p12) File *' section with a 'No file selected' button and a 'Browse' button. There's 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.

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Home > mfp > Create a new Adapter

Create a new Adapter

Adapters are used to securely connect back-end systems to client applications and cloud services. Adapters are built as Maven projects and can be written in JavaScript or Java.

Follow these steps to create an adapter

1 Set up your development environment

Development of adapters can be done in any environment that supports Maven. In order to build, deploy and update adapters, you can use Maven or the MobileFirst Platform Foundation command line tool.

Installing the command line interface (CLI)

If you haven't, download and install Node.JS. Install the CLI using npm utility of Node.js. The MFP CLI will automatically be downloaded by the npm utility.

npm install -g mfpdev-cli

Installing Maven

Follow the instructions on the Apache Maven website to download and install Maven.

Adapter properties

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

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Home > mfp > javaAdapter

javaAdapter

ConfigurationsResourcesConfiguration Files

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.

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Home > mfp > Devices

Devices

Search device by user identifier or display name (3 chars at least).

Device ID	Display Name	User ID	Model & OS Version	Device Status	Actions
7D518329-2B1A-4E2E-B04F-7BF9EA5B972B			iPhone ios 9.2	Active	

Installed Applications

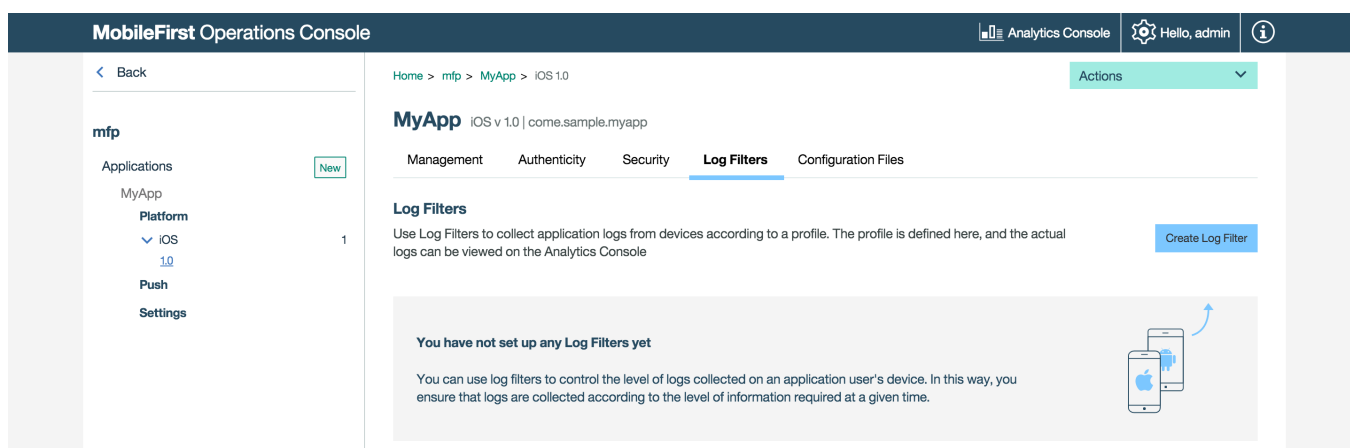
Application Name	Application Status
com.sample.PinCodeSwift	Enabled

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.

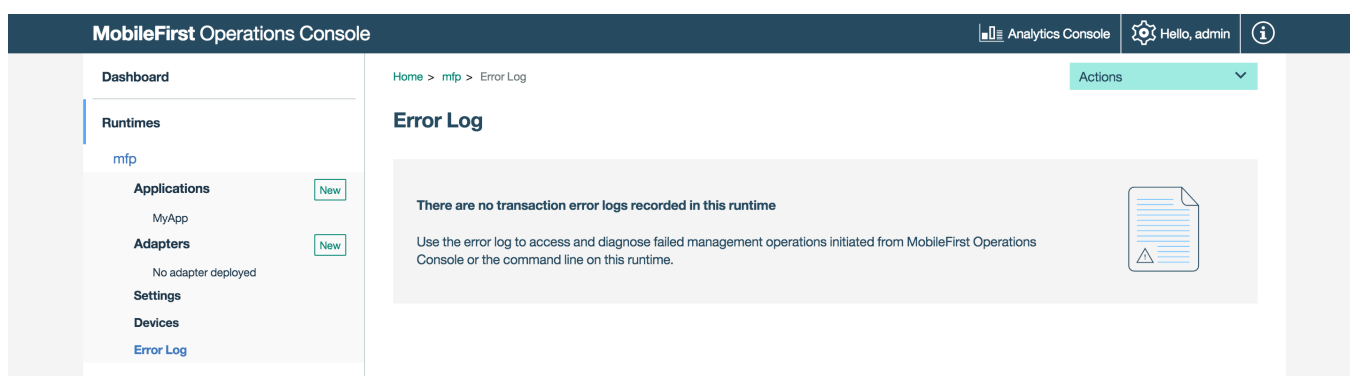
For more information, see the topic about client-side log capture configuration from MobileFirst Operations Console in the user documentation.



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.

The screenshot shows the MobileFirst Operations Console interface. The left sidebar contains navigation links: Dashboard, Runtimes, mfp, Applications (with a 'New' button), MyApp, Adapters (with a 'New' button), No adapter deployed, Settings, Devices, and Error Log. The main content area is titled 'License Tracking' and shows the breadcrumb 'Home > License Tracking'. Below the title, there's a section for 'mfp' and 'mfp Runtime License Tracking'. A message box states: 'Please note that the report has not yet been run'. There are three tables: 'Application License Tracking' with one row 'Number of Applications' and value '0'; 'Addressable Device License Tracking' with three rows for different target categories, all with value '0'; and 'Client Device License Tracking' with two rows, one with a message 'Check your application server administrative console.' and another with value '0'.

Application License Tracking	
Number of Applications	0

Addressable Device License Tracking	
Number of Addressable Devices, Target Category Undefined	0
Number of Addressable Devices, Target Category B2C	0
Number of Addressable Devices, Target Category B2E	0

Client Device License Tracking	
Number of Server Installations in Cluster	Check your application server administrative console.
Number of *Active Client Devices	0

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.

The screenshot shows the MobileFirst Operations Console interface. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Downloads' and shows the breadcrumb 'Home > Downloads'. Below the title, there are tabs for 'Applications', 'Adapters', and 'Tools'. The 'Tools' tab is selected. It lists three items: 'MobileFirst Platform Development CLI' with a 'Download' button, 'Adapter Tooling' with a 'Download' button, and 'MobileFirst Extension for OAuth Security' with a 'Download' button. The bottom of the page shows the start of 'MobileFirst SDKs for Mobile Application Development'.

MobileFirst Platform Development CLI	
Download this thing and then run <code>npm install -g mfpdev-cli.tgz</code>	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	