

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.

The screenshot shows the MobileFirst Operations Console Dashboard. The left sidebar contains navigation links: Dashboard, Runtimes, Applications, Adapters, Settings, Devices, and Error Log. The main content area has a 'Welcome!' message stating that no apps or adapters are currently deployed, with links to 'Register an App', 'Get CLI', and 'Get Starter Code'. Below this is a 'Monitoring' section showing the status of three services: Administration DB, Configuration Service, and Push Service, all of which are 'Active'.

Runtime settings

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

The screenshot shows the MobileFirst Operations Console Settings page. The left sidebar is the same as the dashboard. The main content area is titled 'Settings' and has tabs for 'Runtime Properties', 'Keystore', and 'Confidential Clients'. The 'Runtime Properties' tab is active, showing a list of properties. The 'analyticsEnabled' property is set to 'true' and is described as 'Enables/Disables collecting data about applications, adapters, devices, and logs to analytics service.' The 'expirationMarginSec' property is set to '2' and is described as 'Default Value: 2'. There is an 'Edit' button in the top right corner of the settings area.

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' (selected), 'Adapters', 'Settings', 'Devices', and 'Error Log'. The main content area has a breadcrumb 'Home > mfp > Register an Application' and a 'Actions' dropdown. The form includes fields for 'Application Name' (with a description 'Optional display name of the Application'), 'Choose Platform' (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 breadcrumb 'Back' and a navigation menu with 'Applications' (selected), 'MyApp', 'Platform', 'iOS' (selected), '1.0' (selected), 'Push', and 'Settings'. The main content area has a breadcrumb 'Home > mfp > MyApp > iOS 1.0' and a 'Actions' dropdown. The page title is 'MyApp iOS v 1.0 | com.sample.myapp'. Below the title are tabs for 'Management' (selected), 'Authenticity', 'Security', 'Log Filters', and 'Configuration Files'. The 'Management' tab shows 'Last modified: Feb 15, 2016, 10:40 PM'. The 'Application Access' section has a 'Status' dropdown with options 'Active' (selected), 'Active and Notifying', and 'Access Disabled'. The 'Direct Update' section has 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.



Notifications

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



Adapters

Creating adapters

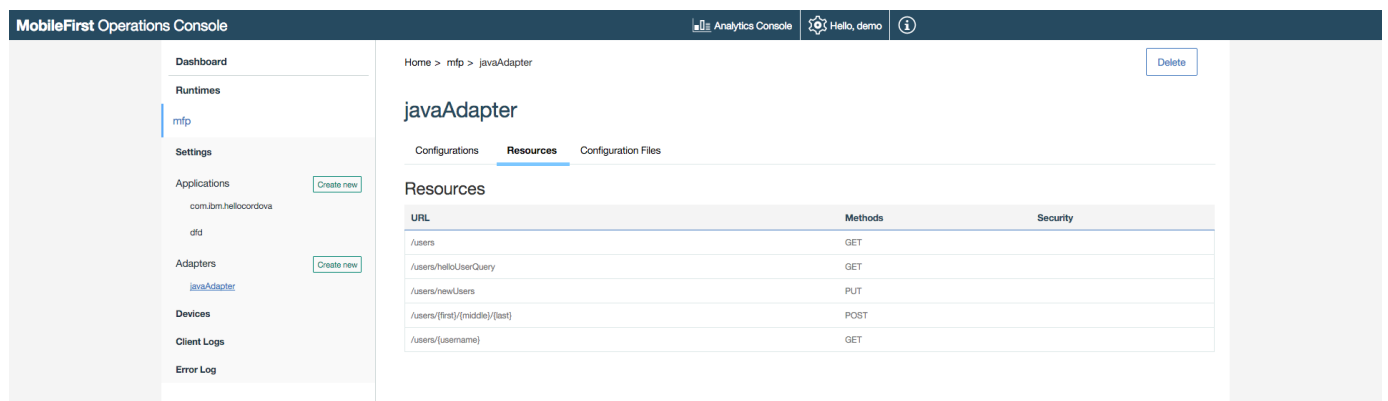
Register an adapter and download Starter Code, as well as update an adapter on-the-fly by updating its properties without needing to re-build and re-deploy the adapter artifact.

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 ConsoleHello, demo

Dashboard

Runtimes

mfp

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 ConsoleHello, admin

< Back

mfp

Applications

New

MyApp

Platform

1

▼ iOS

1.0

Push

Settings

Home > mfp > MyApp > iOS 1.0

Actions

MyApp iOS v 1.0 | come.sample.myapp

ManagementAuthenticitySecurityLog FiltersConfiguration 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

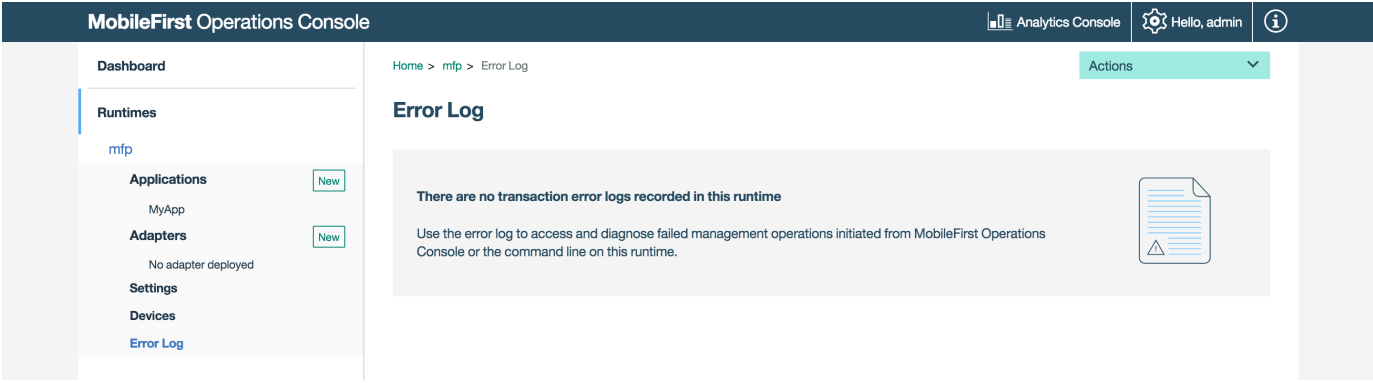
You have not set up any Log Filters yet

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

