

Windows 10 UWP end-to-end demonstration

Overview

The purpose of this demonstration is to experience an end-to-end flow where an application is quickly created using the MobileFirst Operations Console and connectivity is verified with the MobileFirst Server.

Prerequisites:

- Configured Visual Studio 2015
- *Optional* Stand-alone MobileFirst Server (download (file:///home/travis/build/MFPSamples/DevCenter/_site/downloads))

1. Starting the MobileFirst Server

If a remote server was already set-up, skip this step.

From a **Command-line** window, navigate to the server's **scripts** folder and run the command: `start.bat`.

2. Creating an application

In a browser window, open the MobileFirst Operations Console by loading the URL: `http://your-server-host:server-port/mfpconsole`. If running locally, use: `http://localhost:9080/mfpconsole` (`http://localhost:9080/mfpconsole`). The username/password are `admin/admin`.

1. Click on the "Create new" button next to **Applications** and select the desired *platform*, *identifier* and *version* values.



2. Click on the **Get Starter Code** tile and select to download the Android Starter Code.



3. Editing application logic

1. Open the Visual Studio project.
2. Select the solution's **App.xaml.cs** file and paste the following code snippet:

WLResourceRequest code snippet here

4. Creating an adapter

1. Click on the "Create new" button next to **Adapters** and download the **Java** adapter sample.

If Maven and MobileFirst CLI are not installed, follow the on-screen **Setting up your environment** instructions to install.

The screenshot shows the MobileFirst Operations Console interface. The left sidebar contains a navigation menu with 'Dashboard', 'Runtimes', 'Settings', 'Applications', 'Adapters', 'Devices', 'Client Logs', and 'Error Log'. The 'Adapters' section is highlighted, showing 'No adapter deployed' and a 'Create new' button. The main content area is titled 'Create a new Adapter' and includes a 'Deploy Adapter' button. Below the title, it says 'It seems like you don't have any adapters, lets get started'. A section titled 'Follow these steps to set up an adapter' lists five steps: 1. Setting up your environment, 2. Start with a sample adapter, 3. In your IDE of choice, edit the adapter code - REST end points and adapter descriptor, 4. Build and package, and 5. Upload adapter. Step 2 is currently selected, and it has sub-tabs for 'Console', 'CLI', and 'Maven'. The 'Console' tab is active, displaying a placeholder text: 'CONSOLE Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean euismod bibendum laoreet. Proin gravida dolor sit amet lacus accumsan et viverra justo commodo. Proin sodales pulvinar tempor.'

The screenshot shows the MobileFirst Operations Console interface for the 'Get Starter Code' page. The left sidebar is the same as the previous screenshot. The main content area is titled 'Get Starter Code' and has tabs for 'Application' and 'Adapter'. The 'Adapter' tab is selected. Under 'Java Adapter Samples', it says 'Select the sample that you would like to download' and shows two buttons: 'Java' and 'Java-security check'. Under 'Javascript Adapter Samples', it says 'Select the sample that you would like to download' and shows four buttons: 'Javascript-SQL', 'Javascript-SAP', 'Javascript-JMS', and 'Javascript-HTTP'. At the bottom, there is a 'Next Step' section with a diagram showing a server, a database, and a client, and a button labeled 'Go to Adapter Quickstart'.

2. From a **Command-line** window, navigate to the adapter's Maven project root folder and run the command:

```
mpfdev adapter build
```

3. When the build finishes, run the command:

```
mpfdev adapter deploy
```

If using a remote MobileFirst Server, run the command:

```
mpfdev adapter deploy Replace-with-remote-server-name
```

5. Testing the application

1. In Visual Studio, click on the **Start Debugging** button.

Next steps

- Review the Client-side development tutorials ([../../client-side-development/](#))
- Review the Server-side development tutorials ([../../server-side-development/](#))
- Review the Authentication and security tutorials ([../../authentication-and-security/](#))
- Review All Tutorials ([../../all-tutorials](#))