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
- MobileFirst Developer CLI (download (file:////home/travis/build/MFPSamples/DevCenter/_site/downloads))
- *Optional* Stand-alone MobileFirst Server (download (file:////home/travis/build/MFPSamples/DevCenter/_site/downloads))

1. Starting the MobileFirst Server

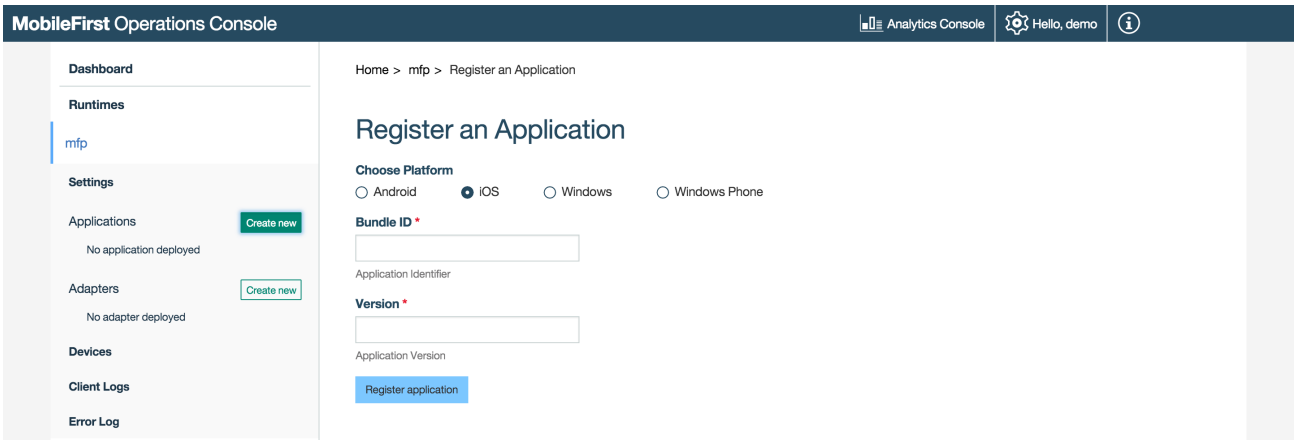
> If a remote server was already set-up, skip this step.

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

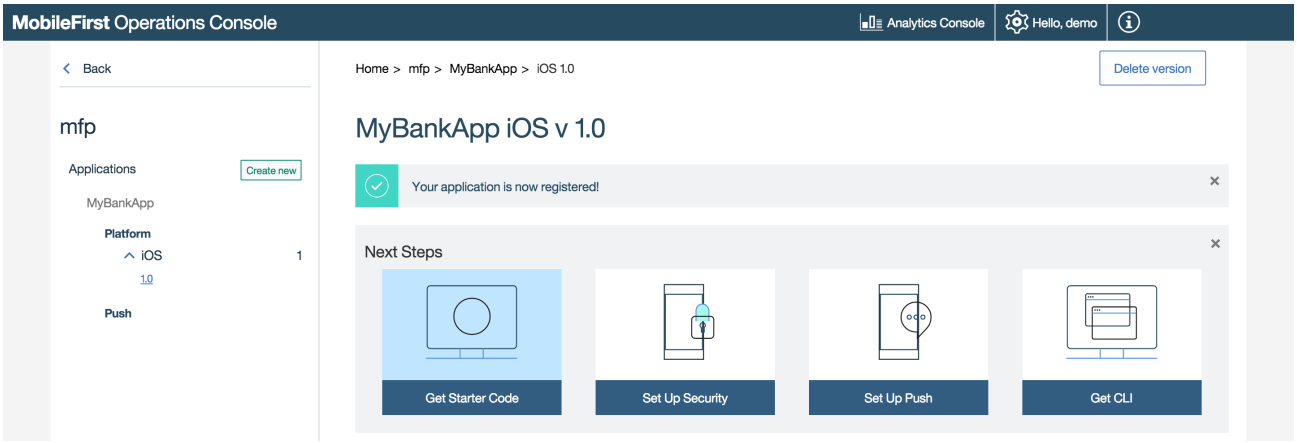
2. Creating an application

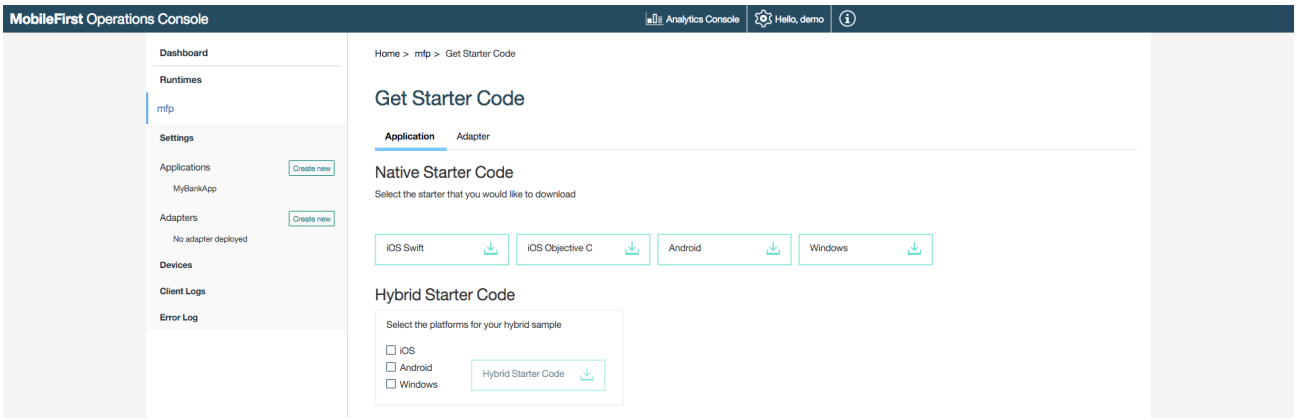
In a browser window, open the MobileFirst Operations Console by loading the URL: `http://your-server-host:server-port/mfpconsole`. If running locally, use: http://localhost:9080/mfpconsole (http://localhost:9080/mfpconsole). The username/password are *admin/admin*.

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 Windows 10 UWP Starter Code.





3. Editing application logic

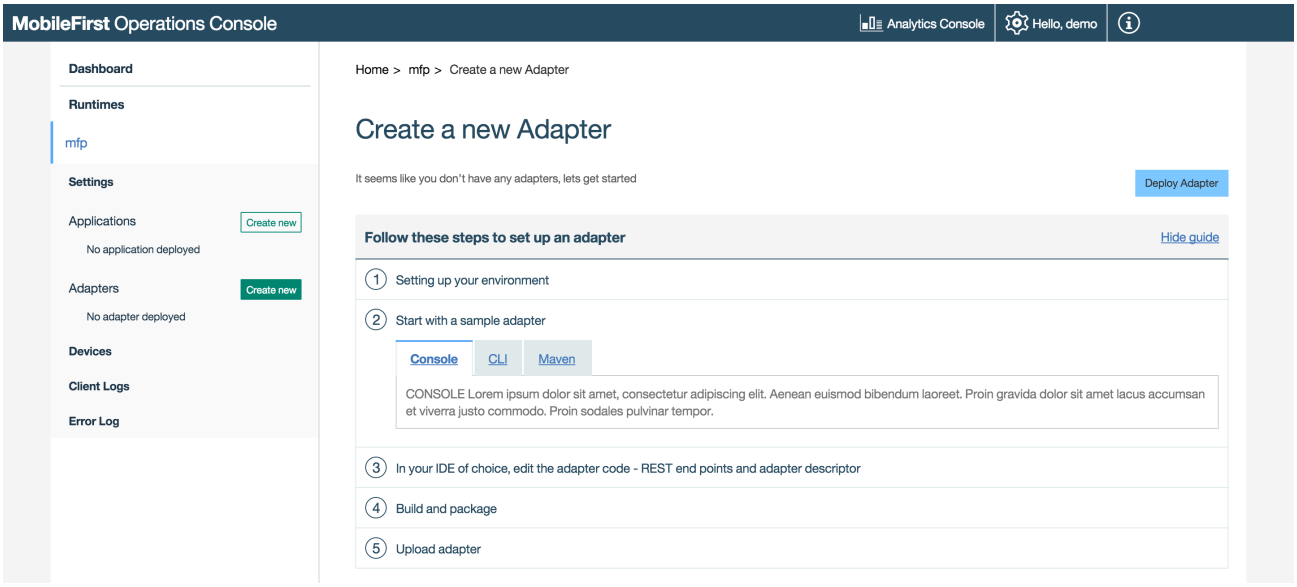
1. Open the Visual Studio project.
2. Select the solution's **MainPage.xaml.cs** file and paste the following code snippet:

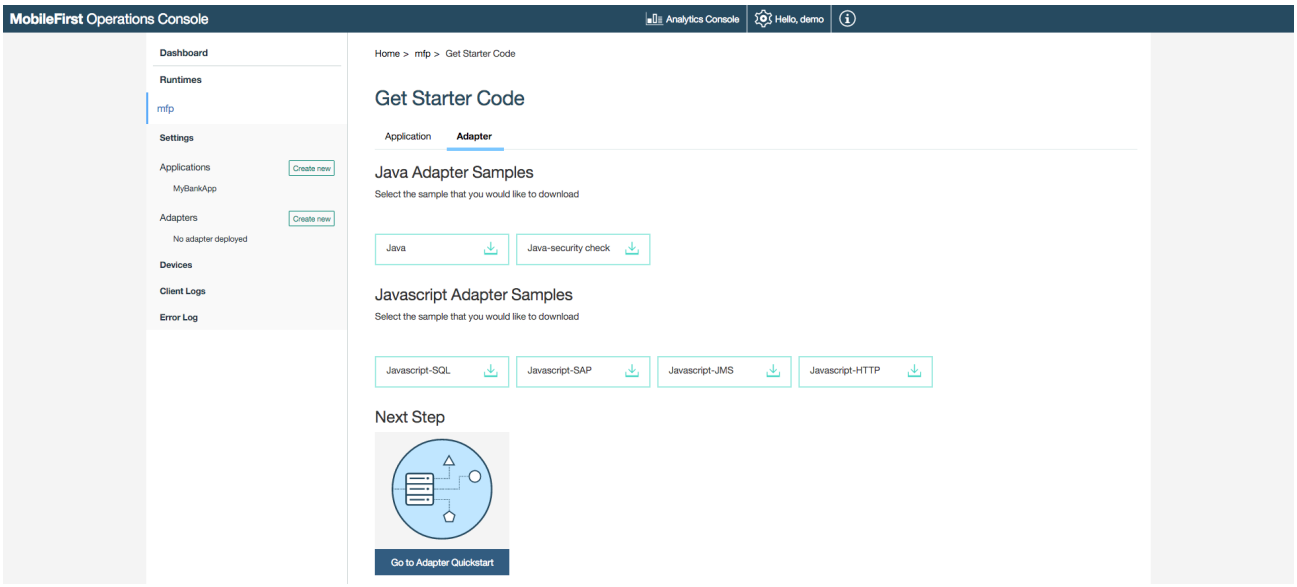
```
IWorklightClient _newClient = WorklightClient.CreateInstance();

StringBuilder uriBuilder = new StringBuilder().Append("/adapters/javaAdapter/users/world");

WorklightResourceRequest rr = _newClient.ResourceRequest(uriBuilder.ToString(), "GET");

WorklightResponse resp = await rr.Send();

Debug.WriteLine("Response is " + resp.ResponseText);
```

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.





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

```
mfpdev adapter build
```

3. When the build finishes, run the command:

```
mfpdev adapter deploy
```

If using a remote MobileFirst Server, run the command:

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

5. Testing the application

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

Next steps

Learn more on using adapters in applications, and how to integrate additional services such as Push Notifications, using the MobileFirst security framework and more:

- Review the Server-side development tutorials (../../server-side-development/)
- Review the Authentication and security tutorials (../../authentication-and-security/)
- Review the Notifications tutorials (../../notifications/)
- Review All Tutorials (../../all-tutorials)