

# iOS 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 Xcode
- *Optional* Stand-alone MobileFirst Server and MobileFirst CLI (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.

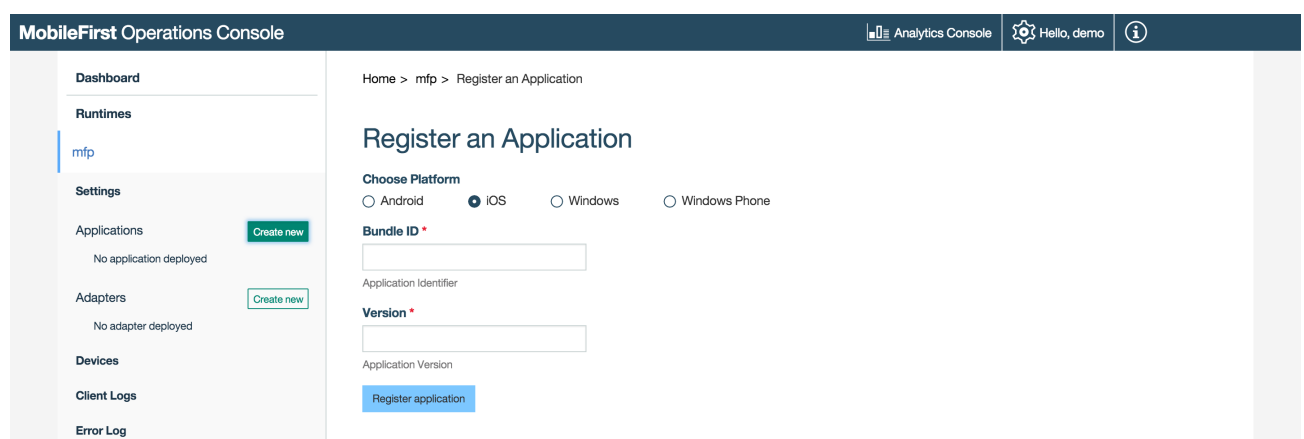
1. From a **Command-line** window, navigate to the server's **scripts** folder and run the command:

```
./start.sh.
```

## 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 iOS Starter Code.



### 3. Editing application logic

1. Open the Xcode project project
2. Select the **[project-root]/ViewController.m** file and paste the following code snippet in `viewDidLoad`:

In Objective-C:

```
WLAuthorizationManager.sharedInstance().obtainAccessTokenForScope(nil) {
    (token, error) -> Void in

    if (error != nil) {
        NSLog(@"Access token not granted.");
    } else {
        NSLog(@"Access token granted.");
    }
}
```

In Swift:

```
WLAuthorizationManager.sharedInstance().obtainAccessTokenForScope(nil) {
    (token, error!)->Void

    if error != nil {
        NSLog("Access token not granted.")
    }
    else {
        NSLog("Access token granted.")
    }
}
```

## 4. Creating an adapter

1. Click on the "Create new" button next to **Adapters** and download the **JavaScript-HTTP** 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 Xcode, press the **Play** 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](#))