

# iOS Quick Start demonstration

## Overview

The purpose of this demonstration is to experience an end-to-end flow where the MobileFirst Platform Foundation SDK for iOS is integrated into a Xcode project and used to retrieve data using a MobileFirst adapter.

To learn more about creating projects and applications, using adapters and lots more, visit the Native iOS Development ([../ios-tutorials/](#)) landing page.

### Required installed:

- MobileFirst Platform commandline tool (download ([file:///home/travis/build/MFPSamples/DevCenter/\\_site/downloads/](#)))
  - Xcode 6.x
- 

## 1. Create a MobileFirst project and adapter

- Create a new project and iOS framework/server-side application entity

```
mfp create MyProject
cd MyProject
mfp add api MyiOSFramework -e ios
```

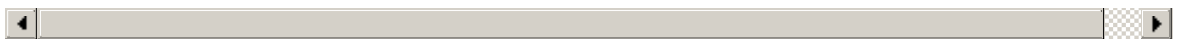
- Add a HTTP adapter to the project

```
mfp add adapter MyAdapter -t http
```

## 2. Deploy artifacts to the MobileFirst Server

- Start the MobileFirst Server and deploy the server-side application entity and adapter

```
mfp start
# Wait until a browser window is opened, displaying the MobileFirst Conso
mfp build
mfp deploy
```



## 3. Create a Xcode project

## 4. Add the MobileFirst iOS SDK to the Xcode project

- In **Project explorer** right-click and select **Add Files to your-iOS-app-name...**
  - Navigate to **project-folder-location > MyProject > apps > MyiOSFramework** and

select `worklight.plist` file and the `WorklightAPI` folder

- In **Build Phases** open **Link Binary With Libraries** and add:
  - `libWorklightStaticLibProjectNative.a` (found in **WorklightAPI**)
  - `sqlcipher.framework` (found in **WorklightAPI/Frameworks**)
  - `SystemConfiguration.framework`
  - `MobileCoreServices.framework`
  - `CoreLocation.framework`
  - `Security.framework`
  - `libstdc++.6.dylib`
  - `libc++.dylib`
  - `libz.dylib`
- In **Build Settings** search for:
  - Header Search Path: add `$(SRCROOT)/WorklightAPI/include`
  - Other Linker Flags: add `-ObjC`

## 5. Implement MobileFirst adapter invocation

- **AppDelegate.h** Add the header:

```
1 | #import "WLResourceRequest.h"
```

- **AppDelegate.m** Add the header:

```
1 | #import "WLResponse.h"
```

Add the following to `didFinishLaunchingWithOptions`:

```
1 | - (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary*)launchOptions {
2 |     NSURL* url = [NSURL URLWithString:@"./adapters/MyAdapter/getFeed"];
3 |     WLResourceRequest* request = [WLResourceRequest requestWithURL:url method:WLRequestMethodGET];
4 |     [request setQueryParamValue:@"[\"technology\"]" forName:@"params"];
5 |
6 |     [request sendWithCompletionHandler:^(WLResponse *response, NSError *error) {
7 |         if(error != nil){
8 |             NSLog(@"%@",error.description);
9 |         }
10 |         else{
11 |             NSLog(@"%@",response.responseJSON);
12 |         }
13 |     }];
14 |
15 |     return YES;
16 | }
```

## 6. Final configurations

- Supply the machine's IP address for the host property in `worklight.plist`

## 7. Click Run

Review the Xcode console for the data retrieved by the adapter request.

