Quick Start demonstration

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 (../) landing page.

Required installed:

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

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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 Console
     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:

     ```
     #import "WLResourceRequest.h"
     ```

   - AppDelegate.m

     Add the header:

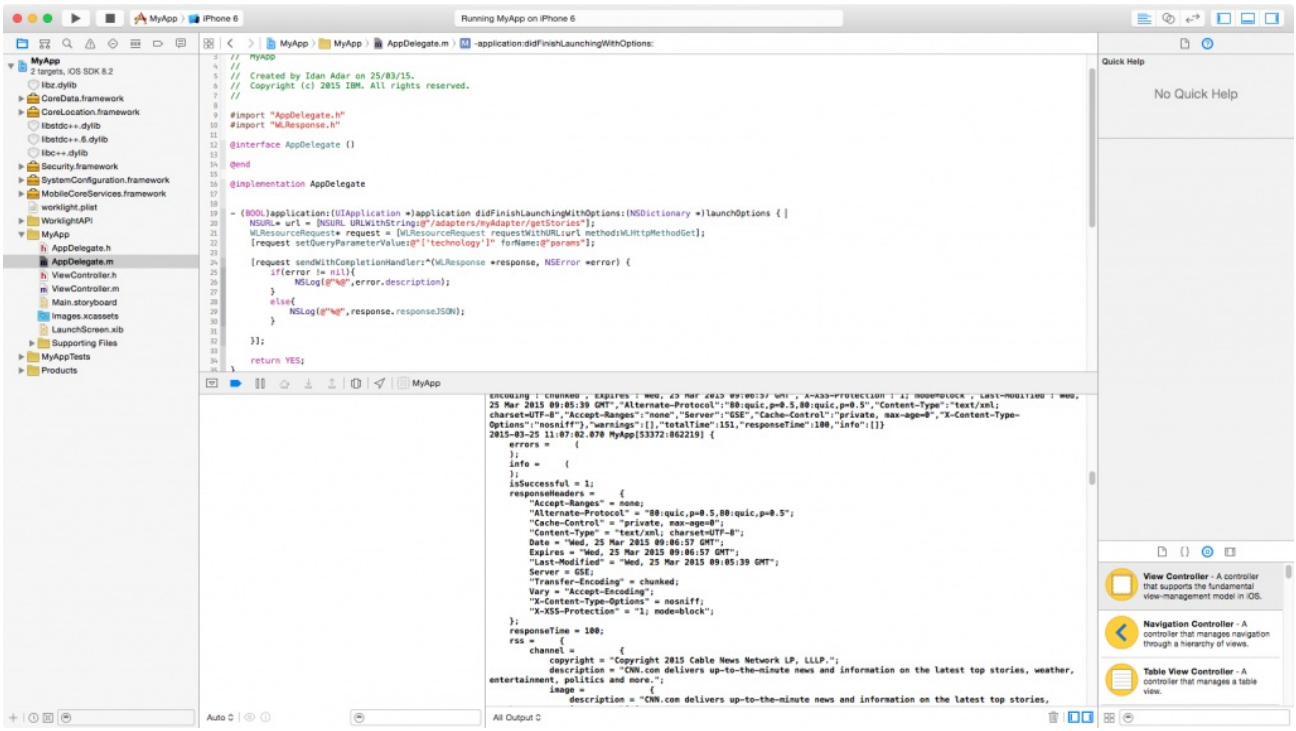
     ```
     #import "WLResponse.h"
     ```

     Add the following to `didFinishLaunchingWithOptions`:

     ```
     - (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDiction
     ary *)launchOptions {
        NSURL* url = [NSURL URLWithString:@"/adapters/MyAdapter/getFeed"];
        WLResourceRequest* request = [WLResourceRequest requestWithURL:url method:WL
     HttpMethodGet];
        [request setQueryParameterValue:@"['technology']" forName:@"params"];
        [request sendWithCompletionHandler:^(WLResponse *response, NSError *error) {
            if(error != nil){
                NSLog(@"%@",error.description);
            }
            else{
               NSLog(@"%@",response.responseJSON);
            }
        }];
        return YES;
     }
     ```

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.