

Introduction

The HockeyAppUnity-iOS plugin implements support for using HockeyApp in your Unity-iOS builds. It easily lets you keep track of crashes that have been caused by your scripts or Objective-C code.

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Requirements (Version 1.0.11)

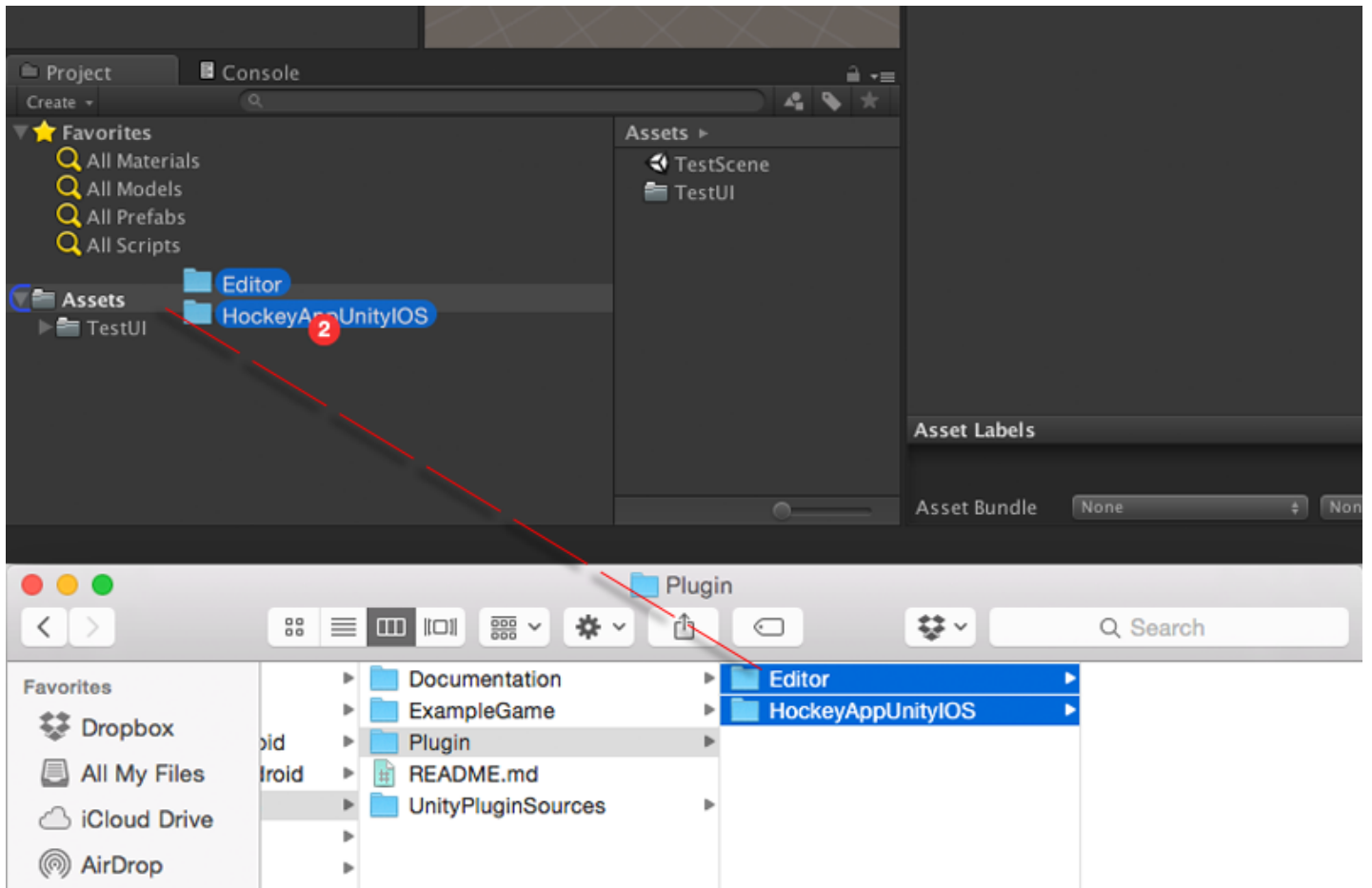
- [Changelog](#)
- Unity 5.0 or newer (SDK versions with Unity 4 support can be found at the [Unity Asset Store](#) or by switching to the 1.0.4 tag on GitHub).
- iOS 6.0 or newer.

Installation & Setup

The following steps illustrate how to integrate the HockeyAppUnity-iOS plugin:

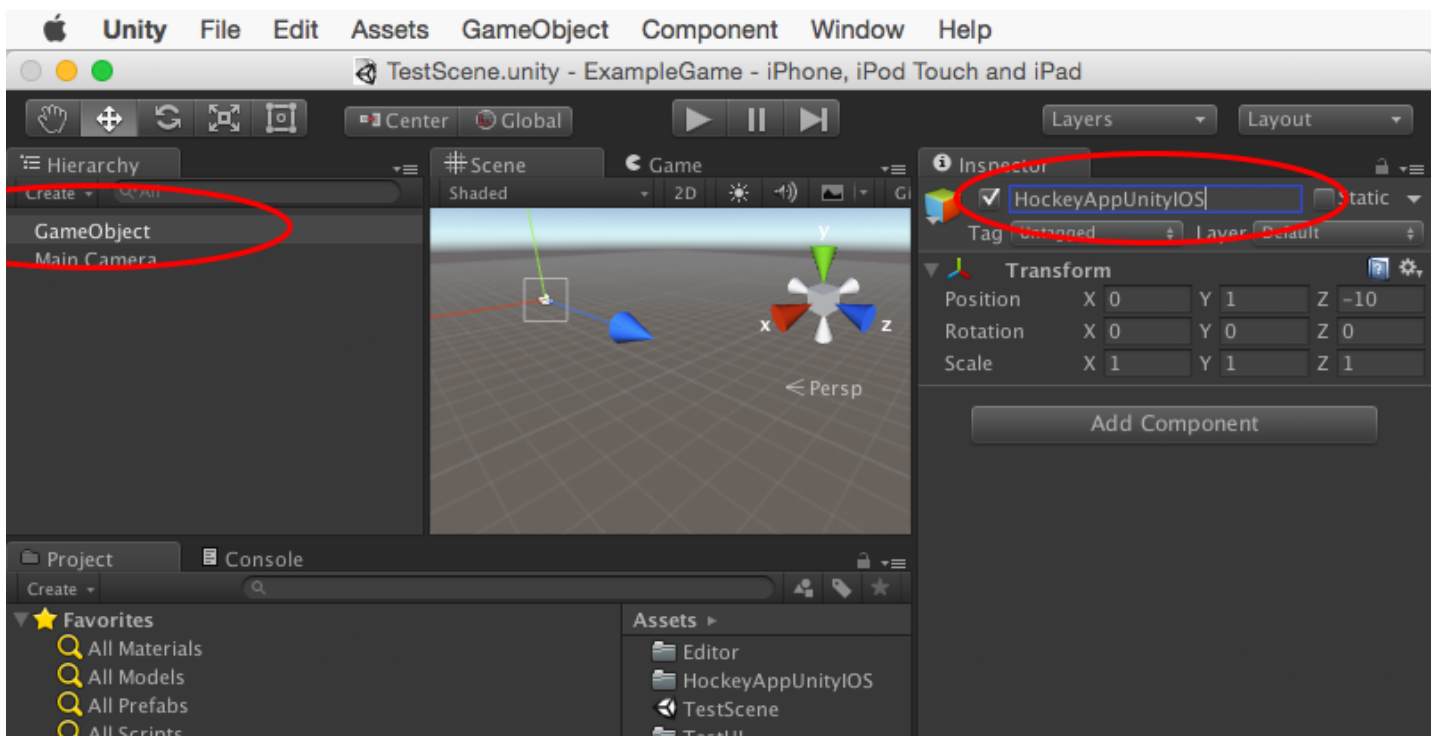
1) Import plugin

Copy the **HockeyAppUnityIOS** folder as well as the **Editor** folder into the **Assets** directory of your Unity project. Both folders are subdirectories of the **Plugin** folder.

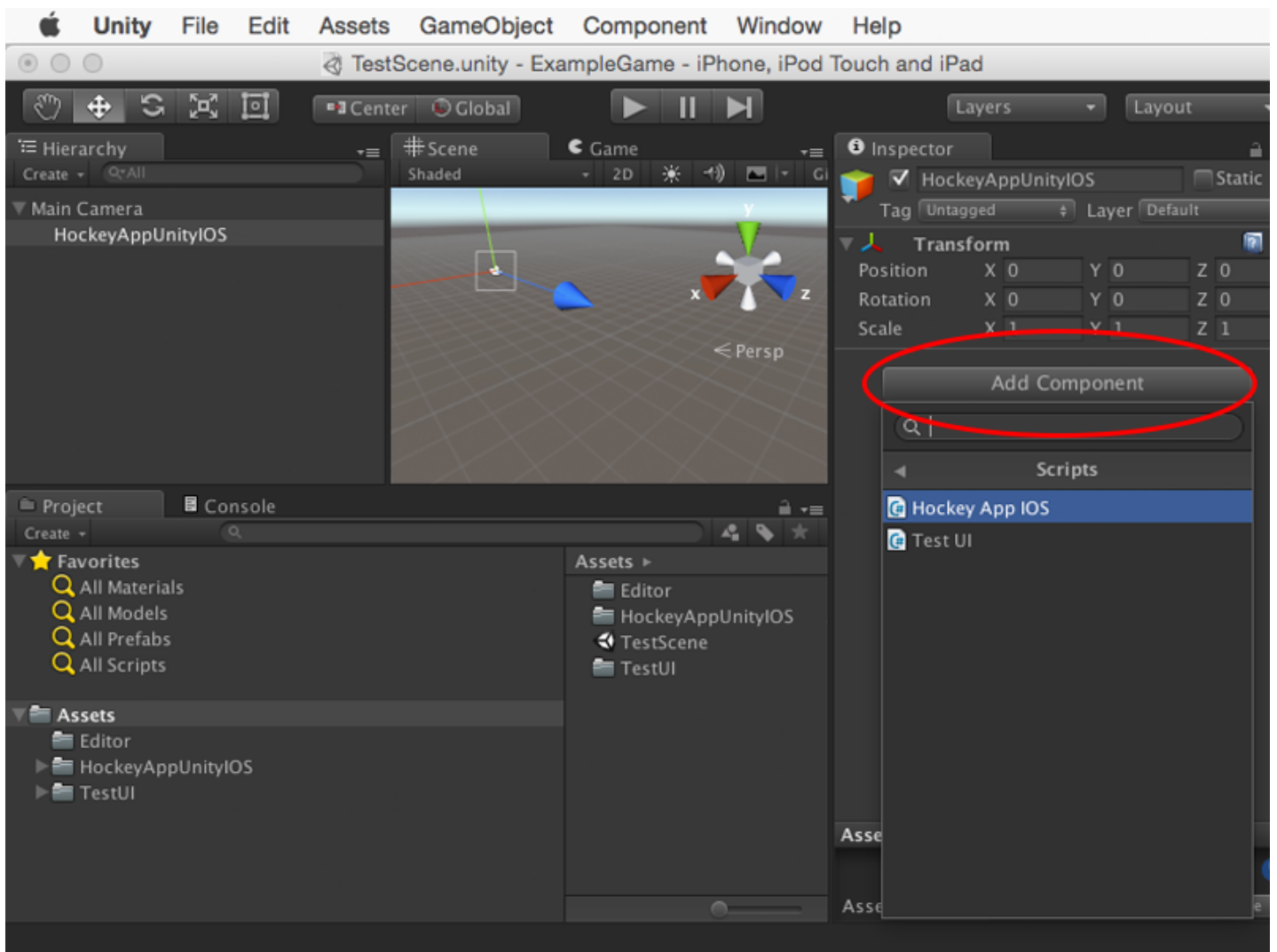


2) Create plugin-GameObject

Create an empty game object (*GameObject -> Create Empty*) and rename it (*HockeyAppUnityIOS*).

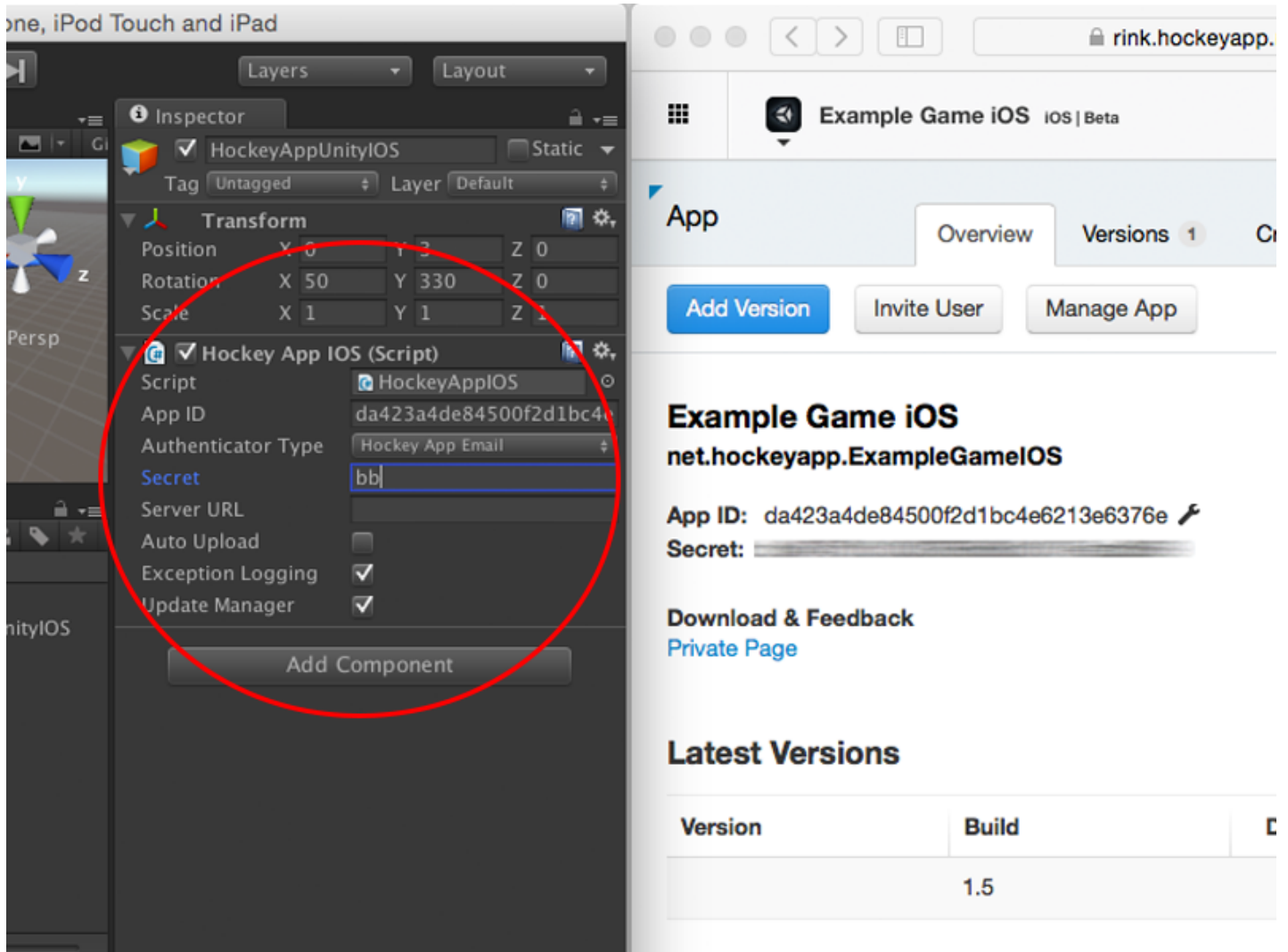


Add the **HockeyAppIOS.cs** as a component of your new created gameobject.



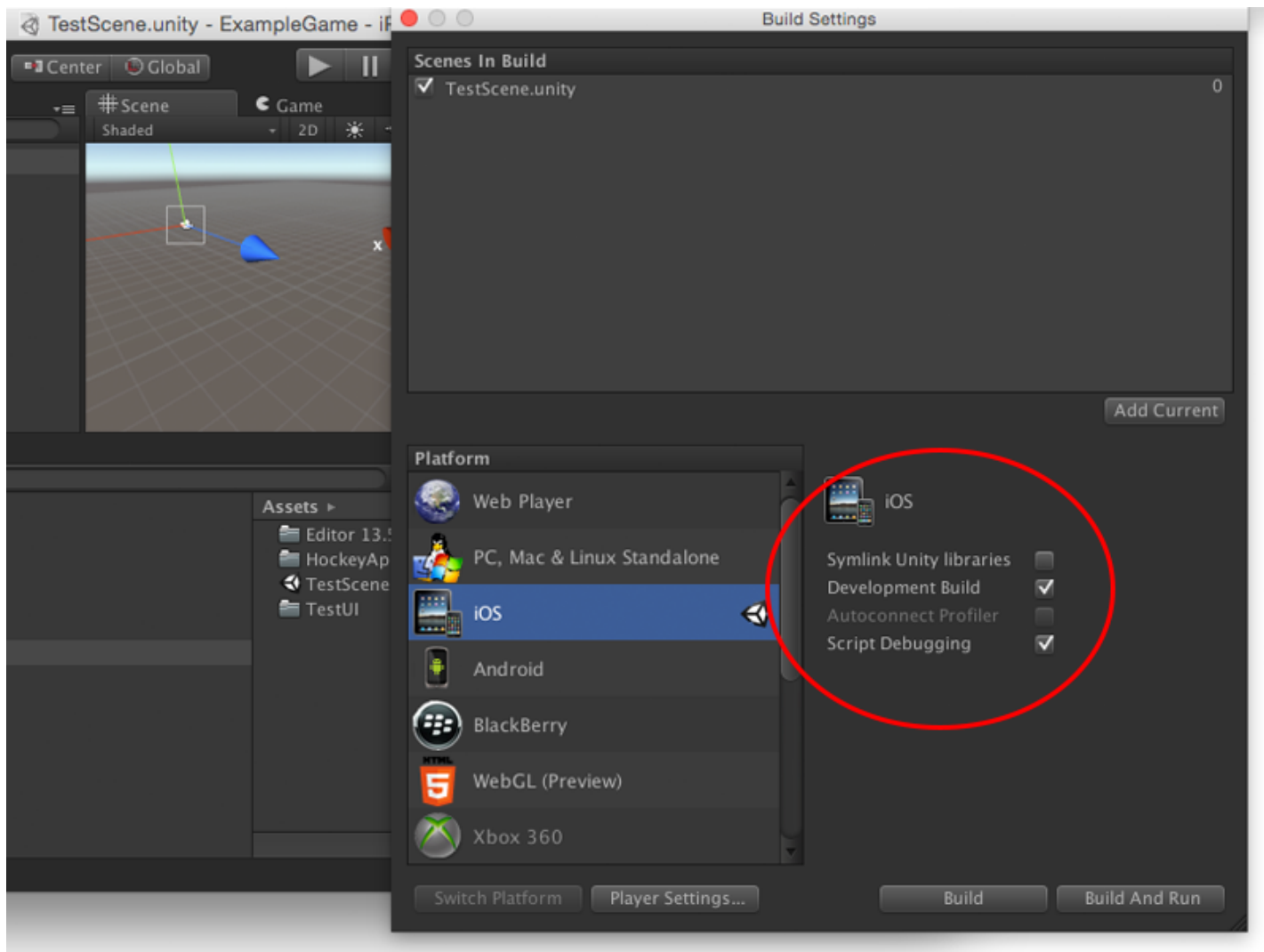
Select the game object in the **Hierarchy** pane and fill in some additional informations inside the Inspector window.

- **App ID** - the app ID provided by HockeyApp
- **Secret** - the secret provided by HockeyApp (only for authentication using email address)
- **Authenticator Type** - an authentication type (see [Authenticating Users on iOS](#)). By default **BITAuthenticatorIdentificationTypeAnonymous** will be used.
- **Server URL** - if you have your own server instance, please type in its url. **In most cases this field should be left blank.**
- **Exception Logging** - by checking this option you will get more precise information about exceptions in your Unity scripts
- **Auto Upload** - this option defines if the crash reporting feature should send crash reportings automatically without asking the user.
- **Update Manager** - check this option if users should be informed about app updates from inside your app

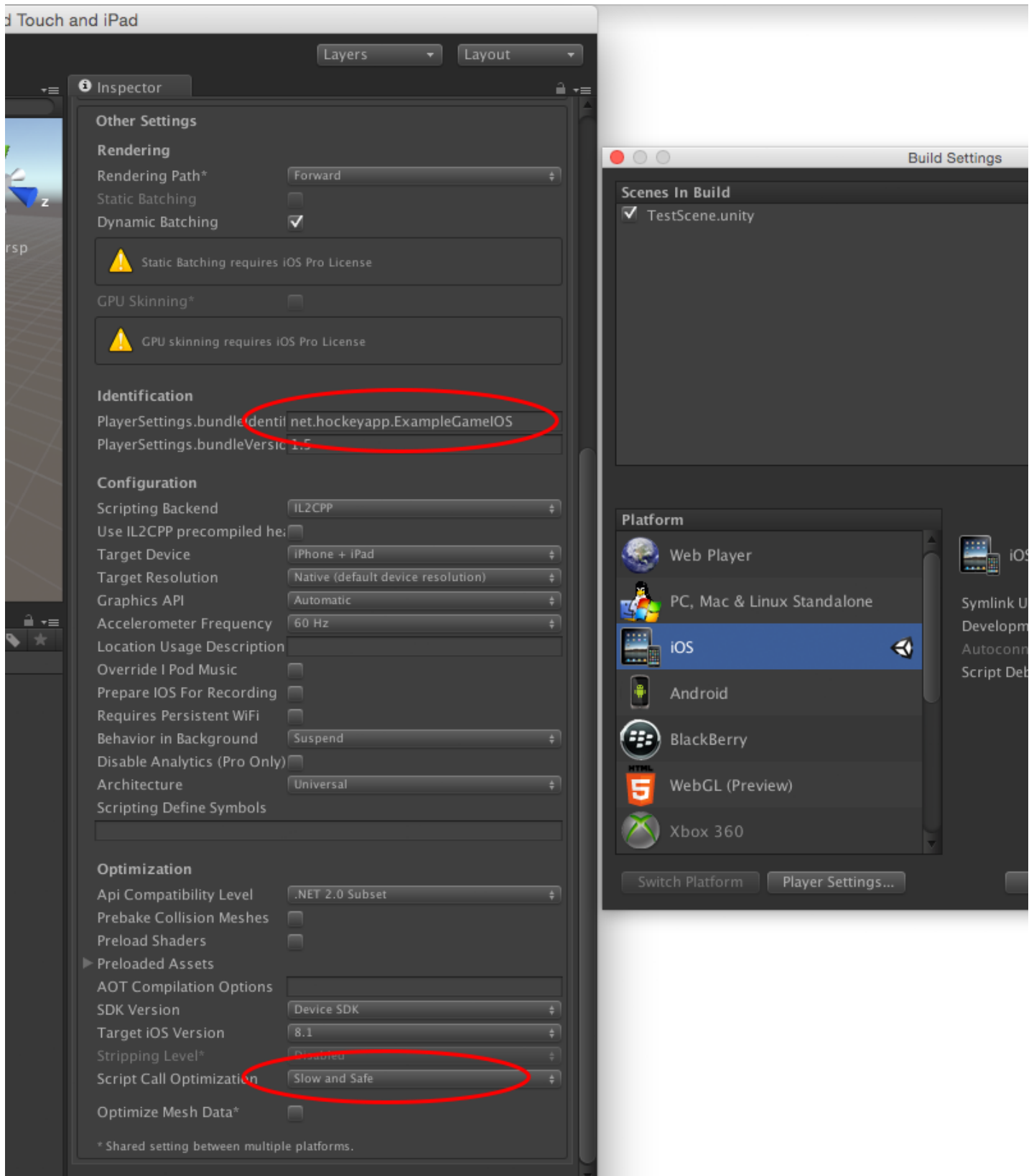


3) Configure build settings

You are now ready to build the Xcode project: Select *File -> Build Settings...* and switch to **iOS** in the platform section. Check **Development Build** and **Script Debugging** (see [Build Settings](#) section).



Open the player settings and make sure that **Bundle identifier** (*Other settings -> Identification*) equals the bundle identifier of the app on HockeyApp (*Manage App -> Basic Data*).

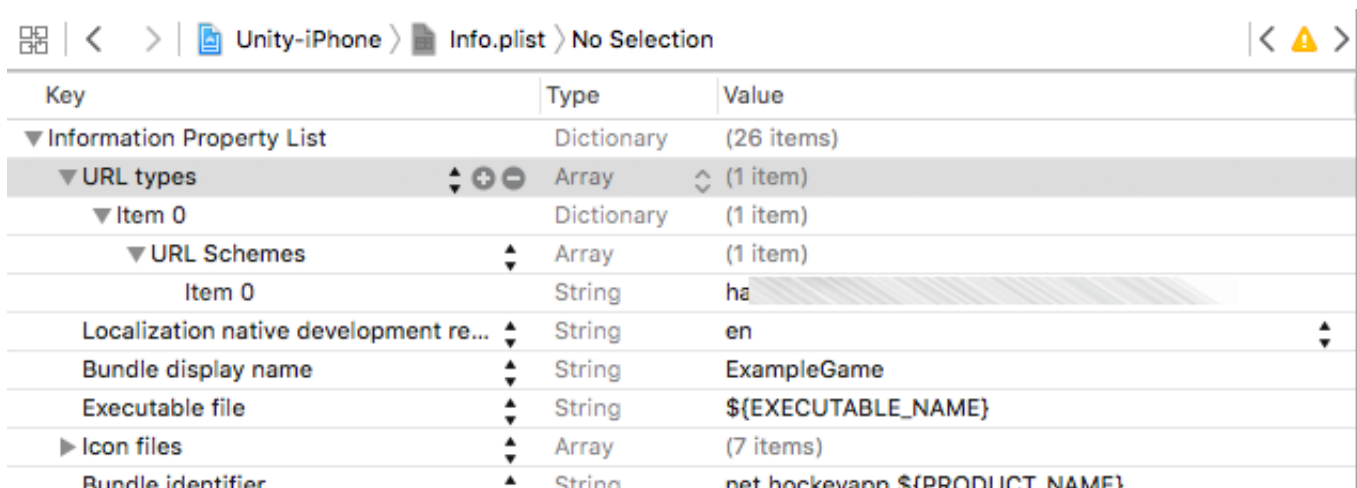


If you want to enable exception logging, please also select *Other settings -> Optimization -> Slow and safe* as well. Otherwise all exceptions will result in an app crash.

Press the **Build** button. You can now build and run your app.

4) Modify property list

This step only needs to be done if you want to use an authentication type other than **BITAuthenticatorIdentificationTypeAnonymous**.



Key	Type	Value
▼ Information Property List	Dictionary	(26 items)
▼ URL types	Array	(1 item)
▼ Item 0	Dictionary	(1 item)
▼ URL Schemes	Array	(1 item)
Item 0	String	ha
Localization native development re...	String	en
Bundle display name	String	ExampleGame
Executable file	String	\$(EXECUTABLE_NAME)
Icon files	Array	(7 items)
Bundle identifier	String	net.hockeyapp.\$(PRODUCT_NAME)

1. Open your Info.plist of the exported Xcode project. It is usually stored in the root directory.
2. Add a new key **URL types** or **CFBundleURLTypes** (if Xcode displays the raw keys).
3. Change the key of the first child item to **URL Schemes** or **CFBundleURLSchemes**.
4. Enter **haAPP_ID** as the URL scheme with APP_ID being replaced by the App ID of your app.

Build Settings

The **Development Build** and **Script Debugging** options affect the exception handling in C#. You will get a crash report in any case, but the data quality differs. It is recommend to enable those options for alpha and beta builds, but to disable them for production.

Disabled Development Build, Disabled Script Debugging:

Apple-style crash report for those exception types that cause a crash.

Enabled Development Build, Disabled Script Debugging

```
IndexOutOfRangeException: Array index is out of range.  
    at (wrapper stelemref) object:stelemref (object,intptr,object)  
    at TestUI.OnGUI ()
```

Enabled Development Build, Enabled Script Debugging:

```
IndexOutOfRangeException: Array index is out of range.  
    at (wrapper stelemref) object:stelemref (object,intptr,object)  
    at TestUI.OnGUI () (at /Users/name/Documents/Workspace/HockeySDK-Unity-iOS/ExampleGame/Assets/TestUI/TestUI.cs:73)
```

Examples

Feedback Form

In order to provide your users with a feedback form, please define the following extern method in your C# script:

```
[DllImport("__Internal")]
private static extern void HockeyApp_ShowFeedbackListView();
```

After that you can show the feedback form as follows:

```
HockeyApp_ShowFeedbackListView();
```

Troubleshooting

If you have any problems with compiling the exported xCode projects, please check the following points:

Libraries group

After exporting your Unity project, your xCode project should now contain the following files:

- **libHockeyAppUnity.a** & **HockeyAppUnityWrapper.m** (*Libraries/HockeyAppUnityIOS/*)
- **HockeySDKResources.bundle** (*Frameworks/HockeyAppUnityIOS/*)

If not, compiling your project will lead to different errors, e.g.

```
Undefined symbols for architecture armv7:
  "_OBJC_CLASS_$_HockeyAppUnity", referenced from:
    objc-class-ref in HockeyAppUnityWrapper.o
    objc-class-ref in UnityAppController.o
    objc-class-ref in UnityAppController+ViewHandling.o
ld: symbol(s) not found for architecture armv7
clang: error: linker command failed with exit code 1 (use -v to see invocation)
```

or


```
ld: warning: directory not found for option '-L"/Path/to/project/Libraries"'
Undefined symbols for architecture armv7:
  "_HockeyApp_StartHockeyManager", referenced from:
    RegisterMonoModules() in RegisterMonoModules.o
  "_HockeyApp_ShowFeedbackListView", referenced from:
    RegisterMonoModules() in RegisterMonoModules.o
  "_HockeyApp_GetBundleIdentifier", referenced from:
    RegisterMonoModules() in RegisterMonoModules.o
  "_HockeyApp_GetAppVersion", referenced from:
    RegisterMonoModules() in RegisterMonoModules.o
ld: symbol(s) not found for architecture armv7
clang: error: linker command failed with exit code 1 (use -v to see invocation)
```

Please note that Unity only copies those files if you target them for iOS within Unity.

Authentication type not working

The **info.plist** of your xCode project should contain the key **URL types** with your app ID as value of one of its children (see [Modify Property List](#)).

Furthermore, the following lines of code

```
if([HockeyAppUnity handleOpenURL:url sourceApplication:sourceApplication annotation:annotation]){
    return YES;
}
```

should be part of the method

```
- (BOOL)application:(UIApplication*)application openURL:(NSURL*)url sourceApplication:(NSString*)sourceApplication annotation:(id)annotation
```

inside the class *Classes/UnityAppController.mm*.

Crash reporting / Feedback form / Update Manager not working

If the project compiles just fine but none of the features seem to work, please check the class *Classes/UI/UnityAppController+ViewHandling.mm*.

The last line of the method

```
- (void)showGameUI
```

should be

```
[HockeyAppUnity sendViewLoadedMessageToUnity];
```

This might also happen if you forgot to put the app ID inside the script form of the Unity project (see [Create plugin-GameObject](#)).

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Created by Buzz Andersen on 10/20/08.

Based partly on code by Jonathan Wight, Jon Crosby, and Mike Malone.

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