

# INRIX iOS Mobile SDK v7.0

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## Quick Start Guide

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## Register with INRIX

Register your application with INRIX to obtain a valid **Application Key** and **Application ID**. These values identify and validate your application with INRIX's servers and are required to initialize the SDK. Your Technical Account Manager or Sales Engineer is your primary contact for this information.

## INRIX SDK Access

Your Technical Account Manager or Sales Engineer will provide the necessary information to access the SDK repository. Please provide your Github IDs to your INRIX sales contact. The SDK is available from GitHub as a standard Apple Framework. The Framework can be included directly in your project, but CocoaPods is the preferred method. SDK v7.0 is available on GitHub at <https://github.com/INRIX/iOS-MobileSDK-External/> in the Preview branch.

## INRIX SDK Integration

### Xcode and Command Line Developer Tools

The INRIX iOS SDK supports Xcode and Command Line Tools versions greater than 7.0, but the latest release is recommended. Apple provides downloads of the latest developer tools at <https://developer.apple.com/devcenter/ios/index.action>.

### AFNetworking Library

The IXClientLibrary requires AFNetworking version 2.6.0 for network operations. CocoaPods can be used to manage this dependency automatically. For further details on AFNetworking, see <https://github.com/AFNetworking/AFNetworking>.

### CocoaPods

CocoaPods manages external library dependencies with a minimum of developer effort. It is the preferred dependency manager for integrating the SDK. Integration instructions, including a sample Podfile, are available at:

<https://github.com/INRIX/iOS-MobileSDK-External/wiki/Getting-Started-with-INRIX-iOS-MobileSDK-using-Cocoapods>

For a full tutorial on CocoaPods, visit <http://cocoapods.org/>.

## Initializing the SDK

The INRIX SDK is provided as a framework named **IXClientLibrary.framework**. The framework should be initialized at application launch. Once initialized, the SDK will collect and send data in the background, requiring no additional interaction from the host application.

## Minimum iOS Version

The IXClientLibrary supports iOS 8.0 and above.

## Creating the Core

To get started with the iOS INRIX Client Library, create an IXCLCoreOptions object. The IXCLCoreOptions object requires the AppID and AppKey obtained from INRIX, as well as an application name and version string of your choosing. The application name and version are used for logging and error reporting. They do not affect SDK behavior.

The IXCLCoreOptions instance returned from the [initWithApplicationId:applicationKey:applicationName:applicationVersion] initializer will be properly configured to initialize the SDK in Integration-Only mode. It should not be modified before passing it to the core initializer.

```
IXCLCoreOptions * options = [[IXCLCoreOptions alloc]
    initWithApplicationId: inrixProvidedAppId
    applicationKey: inrixProvidedAppKey
    applicationName: yourApplicationName
    applicationVersion: yourApplicationVersion];

self.inrixCore = [[IXCLCore alloc] initWithOptions: options];
```

*Listing 1: Creating an IXCLCoreOptions object and passing it to the core initializer.*

The host application should maintain a strong reference to the IXCLCore instance throughout the application lifetime to prevent the core from being deallocated.

## Additional Help

Please contact your INRIX Technical Account Manager or Sales Engineer to set up Service Desk support for your project.

## Changelog

Change Date	Change Description
4/27/17	Initial release of SDK 7.0