

iOS

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Target audience:

Users of the extension supporting iOS mobile applications written in Objective-C/C/C++ and Swift built with Xcode.



Summary: This document provides information about the extension supporting iOS mobile applications written in Objective-C/C/C++ and Swift built with Xcode.

Which analyzer should I use for iOS applications?

iOS applications must be analysed with the following extensions:

- [iOS/Objective-C](#)
- [iOS/Swift](#)

Supported Language and iOS Project Files

The following languages used to write iOS mobile applications are supported by this extension:

Technology	Supported
Objective-C	✓
C/C++	✓
Swift	✓
Storyboard, XIB	✓
Plist	✓

Supported iOS Versions

Version	Supported (iOS/Objective-C)	Supported (iOS/Swift)
iOS 2/6	✗	✗
iOS 7/10	✓	✗
iOS 11	✓	✓
iOS 12	✓	✓

Supported iOS and third-party frameworks

Framework	Supported
AVFoundation	✓
AVKit	✓
Accelerate	✓

Accounts	✓
AdSupport	✓
AddressBook	✓
AddressBookUI	✓
AssetsLibrary	✓
AudioToolbox	✓
AudioUnit	✓
AutoLayout	✓
CFNetwork	✓
CloudKit	✓
Contacts	✓
CoreAudio	✓
CoreAudioKit	✓
CoreBluetooth	✓
CoreData	✓
CoreFoundation	✓
CoreGraphics	✓
CoreImage	✓
CoreLocation	✓
CoreMIDI	✓
CoreMedia	✓
CoreMotion	✓
CoreTelephony	✓
CoreText	✓
CoreVideo	✓
EventKit	✓
EventKitUI	✓
Foundation	✓
GLKit	✓
GameController	✓
GameKit	✓
GamePlayKit	✓
HealthKit	✓
HomeKit	✓
ImageIO	✓
LocalAuthentication	✓
Logging	✓
MapKit	✓
MediaAccessibility	✓
MediaPlayer	✓

MessageUI	✓
Metal	✓
MobileCoreServices	✓
OpenGL	✓
QuartzCore	✓
QuickLook	✓
SafariServices	✓
Security	✓
Social	✓
Starboard	✓
StoreKit	✓
SystemConfiguration	✓
Twitter	✓
UIKit	✓
WebKit	✓
iAd	✓
Facebook	✗
AFNetworking	✓

Function Point, Quality and Sizing support

This extension provides the following support:

- **Function Points (transactions):** a green tick indicates that OMG Function Point counting and Transaction Risk Index are supported
- **Quality and Sizing:** a green tick indicates that CAST can measure size and that a minimum set of Quality Rules exist

Function Points (transactions)	✓
Quality and Sizing	✓

CAST AIP compatibility

This extension is compatible with:

CAST AIP release	Supported (iOS/Objective-C)	Supported (iOS/Swift)
8.3.x	✓	✓
8.2.x	✓	✓
8.1.x	✗	✓
8.0.x	✗	✓
7.3.x	✗	✗

Supported DBMS servers

This extension is compatible with the following DBMS servers:

DBMS	Supported
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CSS	✓
Oracle	✓
Microsoft SQL Server	✓