

iOS 11.1 beta Release Notes

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About iOS 11.1 beta

The iOS 11.1 SDK provides support for developing iOS apps for iPhone, iPad, or iPod Touch devices running iOS 11.1. The SDK comes bundled with Xcode 9.1 Seed available from <https://developer.apple.com/download/>.

For information on the new APIs in iOS 11.1, see [What's New in iOS](#) <<REPLACE WITH CORRECT URL>>.

For information on the compatibility requirements for Xcode 9.1, see the Release Notes available from <https://developer.apple.com/download/>.

Bug Reporting

For issues not mentioned in [Notes and Known Issues](#), file bugs through the Apple Developer website <https://developer.apple.com/bug-reporting/>.

When filing a bug, please include the full version number in the bug title and in the description. This looks like "11.1 (15Bxxxx)." You can find the full version number in Settings > General > About > Version.

Technical Support and Learning Resources

Apple provides the following web resources to support your development:

- [Apple Developer Forums](#). Participate in discussions about developing for Apple platforms and using developer tools.
- [iOS 11.1 Developer Forums](#). Participate in discussions about developing for iOS 11 and issues with the SDK.
- [iCloud Developer Page](#). Find information about developing for iCloud.
- [iOS homepage](#). Get high-level information about the latest release of iOS. Download current and beta iOS releases.
- For help with using Xcode, choose Help > Xcode Help.

Notes and Known Issues

ARKit

Known Issues

- Continuing from a breakpoint while debugging an `ARSession` may result in VIO breaking. Any visual objects placed in the world/anchor are not visible. (31561202)

AVFoundation

New Issues

- When using the TrueDepth front-facing camera on iPhone X, setting the capture device's `activeFormat` to a binned video format (see `AVCaptureDeviceFormat.isVideoBinned`) for capture and enabling delivery of camera calibration data causes the resulting `AVCameraCalibrationData` to contain invalid information for the `intrinsicMatrix` property. (34200225)

Workaround: Select an alternate capture format whose `isVideoBinned` property is false.

Note: Configuring a capture session using a session preset never selects binned formats.

Resolved Issues

- Still capture requests using the 720p30 video format with the `depthDataDeliveryEnabled` property of `AVCapturePhotoSettings` set to true now works correctly. (32060882)
- Depth values in the nondefault 160x120 and 160x90 depth data formats now return the correct values. (32363942)

Certificates

Resolved Issues

- Client certificate-based authentication now works for servers using TLS 1.0 and 1.1. (33948230)

EventKit

Known Issues

- Storing data to a nondefault event store in EventKit may not work. (31335830)

FileProvider

New Issues

- Apps with a deployment target earlier than iOS 11 that subclass `NSFileProviderExtension` do not work on versions of iOS prior to 11. (34176623)

Foundation

Resolved Issues

- `NSURLSession` and `NSURLConnection` now load URLs correctly when the system is configured with certain PAC files. (32883776)

Known Issues

- Clients of `NSURLSessionStreamTask` that use a non-secure connection fail to connect when an error occurs during PAC file evaluation and the system is configured for either Web Proxy Auto Discovery (WPAD) or Proxy Automatic Configuration (PAC). A PAC evaluation failure can occur when the PAC file contains invalid JavaScript or the HTTP host serving the PAC file is unreachable. (33609198)

Workaround: Use `startSecureConnection` to establish a secure connection.

Location Services

Resolved Issues

- Data from an external GPS accessory is now accurately reported. (34324743)

Notifications

Resolved Issues

- Silent push notifications are processed more frequently. (33278611)

Vision

Known Issues

- `VNFaceLandmarkRegion2D` is currently unavailable in Swift. (33191123)
- Facial landmarks identified by the Vision framework may flicker in temporal use cases such as video. (32406440)

Xcode

Known Issues

- Debugging a disabled Messages extension may cause the Messages app to crash. (33657938)

Workaround: Enable the extension before starting the debug session.

- After a simulated iOS device starts up, it's not possible to pull down Cover Sheet. (33274699)

Workaround: Lock and unlock the simulated device and then reopen Home screen.