

# iOS 11 GM Seed Release Notes

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# About iOS 11 GM Seed

The iOS 11 SDK provides support for developing iOS apps for iPhone, iPad, or iPod Touch devices running iOS 11. The SDK comes bundled with Xcode 9.0 GM Seed available from <https://developer.apple.com/download/>.

For information on the new APIs in iOS 11, see [What's New in iOS](#).

For information on the compatibility requirements for Xcode 9.0, see the [Release Notes](#).

## 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 "11.0 (15Axxxxx)." 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 Developer Forums](#). Participate in discussions about developing for iOS 11 and issues with the SDK.
- [iCloud Developer Page](#). Find information about developing for iCloud.
- For help with using Xcode, choose Help > Xcode Help.

# Notes and Known Issues

## 32-bit Apps

### Known Issues

- iOS apps may target iOS 10 or earlier to continue including a 32-bit slice. (31597913)

### Deprecations

- 32-bit apps are not supported on iOS 11. (26402174)

## App Store

### Known Issues

- Restoring from an iTunes backup containing an offloaded app which is also present in the iTunes library installs the offloaded app and then re-installs it from the App Store. This can result in the restored backup taking more space on your device than the size of the backup. (31461664)

**Workaround:** After the restore completes, offload the app.

## Apple ID

### Known Issues

- Some accounts using a phone number as the Apple ID may be unable to add certain payment types. (31677442)

## 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

### Known Issues

- Still capture requests fail and the video stream stops producing a buffer when using the 720p30 video format with the `depthDataDeliveryEnabled` property of `AVCapturePhotoSettings` set to `true`. (32060882)
- Depth values in the non default 160x120 and 160x90 depth data formats are half of the expected values, and disparity values are twice the expected value. (32363942)

## CloudKit

### Known Issues

- CloudKit doesn't support `unsigned long long` values with the high-order bit set. (30567424)

- Applications that use `CKModifyRecordsOperation` should specify an appropriate value for `CKModifyRecordsOperation.isAtomic`. If your client is compiled against watchOS 4, operations enqueued against the default `CKRecordZone` have new behavior because `atomic` is `true` by default. If the operation hits a "preflight" failure (most commonly, a network issue uploading a `CKAsset`, or a malformed `CKRecord`), the entire operation is canceled. (30838858)

## EventKit

### Known Issues

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

## Files App

### Known Issues

- In Simulator, documents saved in Local Storage won't load again through the Document Browser. (32947101)

## Foundation

### Resolved Issues

- Reads and writes on a secure connection that uses the new authenticating HTTPS proxy feature of `URLSessionStreamTask` now work correctly. (31916868)
- The `fractionCompleted` property of the `Progress` object returned by `NSItemProvider` now advances in proportion to the data provider's progress. (32385051)

### 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.

- In iOS 11, `NSURLSession` and `NSURLConnection` may not to load URLs if the system is configured with certain PAC files. PAC files are JavaScript files that specify the HTTP proxies used for accessing the Internet, and are configured in Settings > Wi-Fi. (32883776)

**Workaround:** In Settings > Wi-Fi, tap the Info button for the desired network and turn off "HTTP Proxy: Configure Proxy".

## Media

### Deprecations

- `requestPersonalizationTokenForClientToken` is deprecated in iOS 11. Use `getUserTokenFromDeveloperToken` instead. In the current build, `requestPersonalizationTokenForClientToken` returns an error. In a future build, it will return valid music user tokens without requiring a change to your app. (32065560)

## 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 the Notification center. (33274699)

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