

iOS 11.3 beta 3 Release Notes

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About iOS 11.3 beta 3

The iOS 11.3 SDK provides support for developing iOS apps for iPhone, iPad, or iPod Touch devices running iOS 11.3. The SDK comes bundled with Xcode 9.3 available from the Apple Developer Program download page.

For information on the compatibility requirements for Xcode 9.3, see the Release Notes on the Xcode download page.

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 "11.3 (15Exxxx)." You can find the full version number in Settings > General > About > Version.

Technical Support and Learning Resources

Apple provides the following resources to support your development:

- Developer documentation is available both on <https://developer.apple.com/documentation> and from Xcode by choosing Help > Developer Documentation.
- [Apple Developer Forums](#). Participate in discussions about developing for Apple platforms and using developer tools.
- [iOS 11.3 Developer Forum](#). Participate in discussions about developing for iOS 11 and issues with the SDK.
- [iCloud for Developers](#). 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, Simulator, or Instruments, choose Help > *app name* Help.

New in iOS 11.3

iPhone X and iTunes 12.7.3

Starting with iOS 11.3 beta 2, users performing tethered updates or restores on iPhone X with iTunes require iTunes 12.7.3. Certain features, including Face ID, may not work as expected when using older version of iTunes. (36546243)

Messages in iCloud

iOS 11.3 beta includes Messages in iCloud for testing and evaluation purposes. Messages will prompt users to turn on Messages in iCloud on first launch after upgrading to iOS 11.3 beta. Please note that Messages in iCloud is automatically enabled for users who have two-factor authentication and iCloud Backup enabled.

USB

To improve security, for a locked iOS device to communicate with USB accessories you must either connect an accessory via lightning connector to the device while unlocked or enter your device passcode while connected, at least once a week.

If you use iAP USB accessories over the Lightning connector (including assistive devices and wired CarPlay) or connect to a Mac/PC, you may therefore need to periodically enter your passcode if you have a passcode set on your iPhone, iPad, or iPod Touch.

Notes and Known Issues

General

New Issues

- After updating a device to iOS 11.3 beta 3 the host computer may not recognize the device.

Workaround: Restart the the iOS device and reconnect to the host computer.

Resolved Issues

- iOS 11.3 beta 3 now supports iPod touch (6th generation).

3rd Party Apps

Resolved Issues

- Skype no longer crashes on launch or after sign-in. (36501124)

ARKit

New Features

- The default video capture format for ARKit in iOS 11.3 is 1080p. The default in earlier versions is unchanged. For more information, see the [supportedVideoFormats](#) property.

- Added support for vertical planes to `ARWorldTrackingConfiguration.PlaneDetection`.
- Added rough shape estimation of planar surfaces to `ARPlaneAnchor`.
- Added `ARSession.setWorldOrigin` to change the origin of the world coordinate system.
- Added the ability to detect the position of a known image in the environment. For more information, see the [Recognizing Images in an AR Experience](#) sample code.
- Apps can now opt into an interactive process to recover world-tracking state after an `ARSession` is interrupted. For more information, see the `sessionShouldAttemptRelocalization` delegate method.

Resolved Issues

- Continuing from a breakpoint while debugging an `ARSession` no longer results in VIO breaking. Visual objects placed in the world/anchor are now visible. (31561202)

Foundation

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.

Health

Known Issues

- In beta 1, Health Record accounts and data are not synced to Health in iCloud. This results in data from the device not syncing to other devices. (35431094)

Workaround: Remove and then add the iCloud account on the upgraded device to restore Health data.

iBooks

Resolved Issues

- Managed books now open reliably in iBooks. (37124818)

Keychain

Known Issues

- The shared web credentials API always returns the error “Autofill disabled”. (36989569)

Maps

Resolved Issues

- Maps no longer crashes when tapping the "Destinations" UI while connected to CarPlay. (34862998)

MediaPlayer

Resolved Issues

- The `startItem` property of `MPMusicPlayerMediaItemQueueDescriptor` API is no longer ignored. (33567879)

Messages

Resolved Issues

- Messages threads should no longer have a delay when opened. (35394897)

Mobile Device Management

New Features

Added new configuration settings for device management. For details of the new settings, see the [Configuration Profile Reference](#) and the [MDM Protocol Reference](#).

- Delay the ability to see and install iOS updates for up to 90 days.
- Disable USB Restricted Mode.
- Enable and disable Bluetooth if the Bluetooth settings are not restricted.
- Find information for an installed app including update availability, if it is assigned to the device or the user, and if the source of the app is the App Store, an Enterprise app, or a beta.
- Arrange WebClips to the Home Screen Layout payload.
- Prevent unmanaged apps from accessing contacts in managed accounts.
- Skip the Proximity Setup screen on first reboot after using the `EraseDevice` command.
- Skip the Privacy screen during setup.
- Specify the version number of an iOS update when using the `ScheduleOSUpdate` command.
- Require teacher permission for a student to leave an unmanaged class in Classroom.
- Restrict the Remote app from connecting to specific Apple TV devices.
- Reinstall deleted system apps with the `InstallApplication` command.
- Allow MMS messages to bypass Always-On IKEv2 VPN.

Music

Resolved Issues

- Using Music with VoiceOver or Switch Control should now work as expected. (36998727)

Safari

Resolved Issues

- WebApps saved to the home screen and webpages in `SafariViewController` can now use the camera to capture images. (35542231)

Single Sign On

Resolved Issues

- Background tasks now correctly authenticate in an app that uses Kerberos for single sign-on. (36301557)

Vision

Known Issues

- Facial landmarks identified by the Vision framework may flicker in temporal use cases such as video. (32406440)

WiFi

Resolved Issues

- If you experienced any issues on iOS 11.3 beta 2 or earlier of Wi-Fi not connecting automatically, dropping off, or disconnecting unexpectedly, please go to Settings -> WiFi, tap the Information button (i) next to the network name, and verify that the Auto-Join switch is on. (36559685)

Xcode

Known Issues

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

Workaround: Before starting the debug session, enable the extension by tapping the More (...) button to show the list of apps, then tapping the Edit button, and then tapping the switch to turn on the extension.

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

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