

iOS 11 & Mac OS High Sierra

What we know and what to expect.

iOS 11 preview

iOS 11 only supports 64-bit apps

If you have any 32-bit apps, you need to upgrade them or delete them.

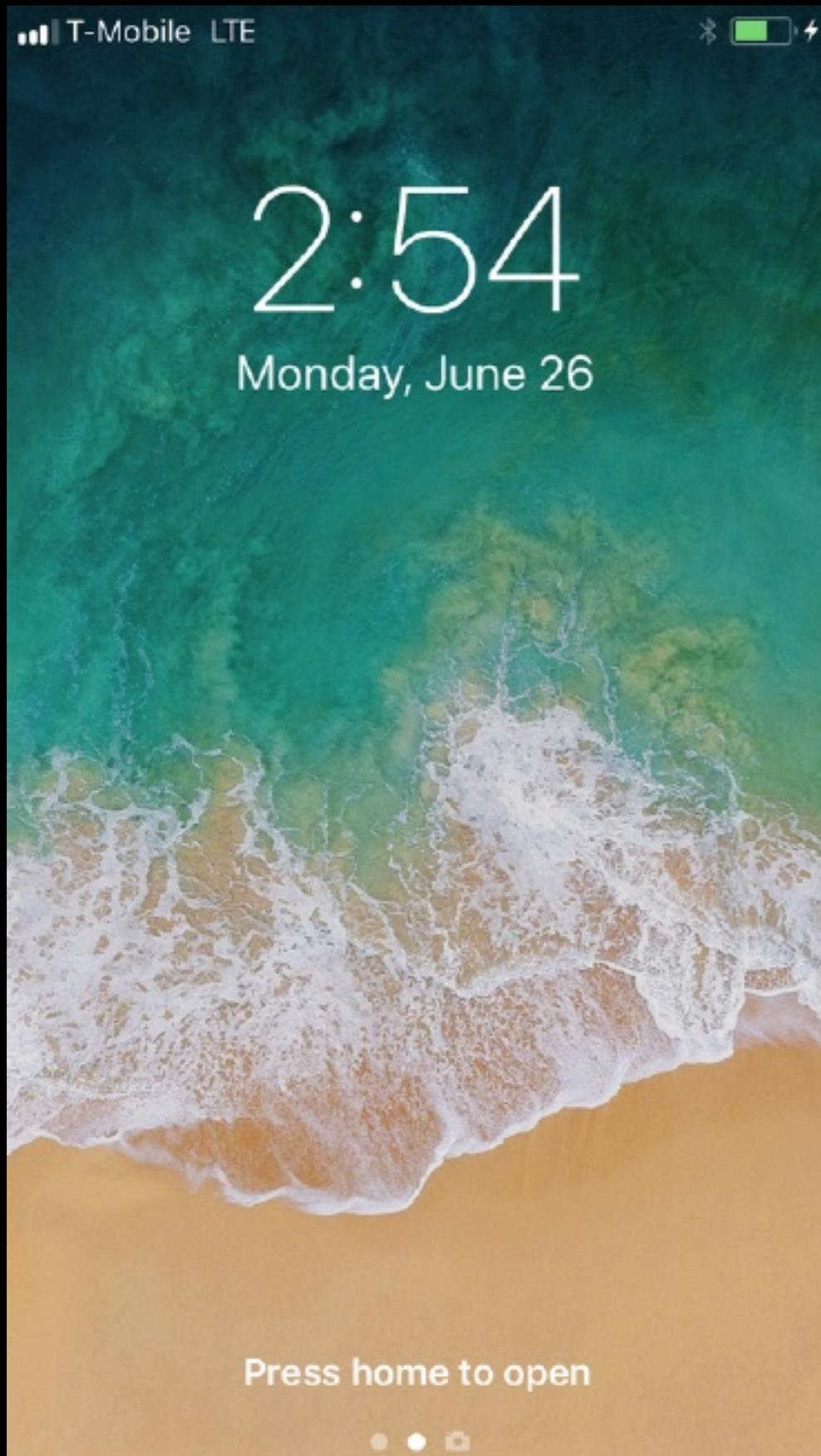
“Appocalypse” video by Apple - 3:05



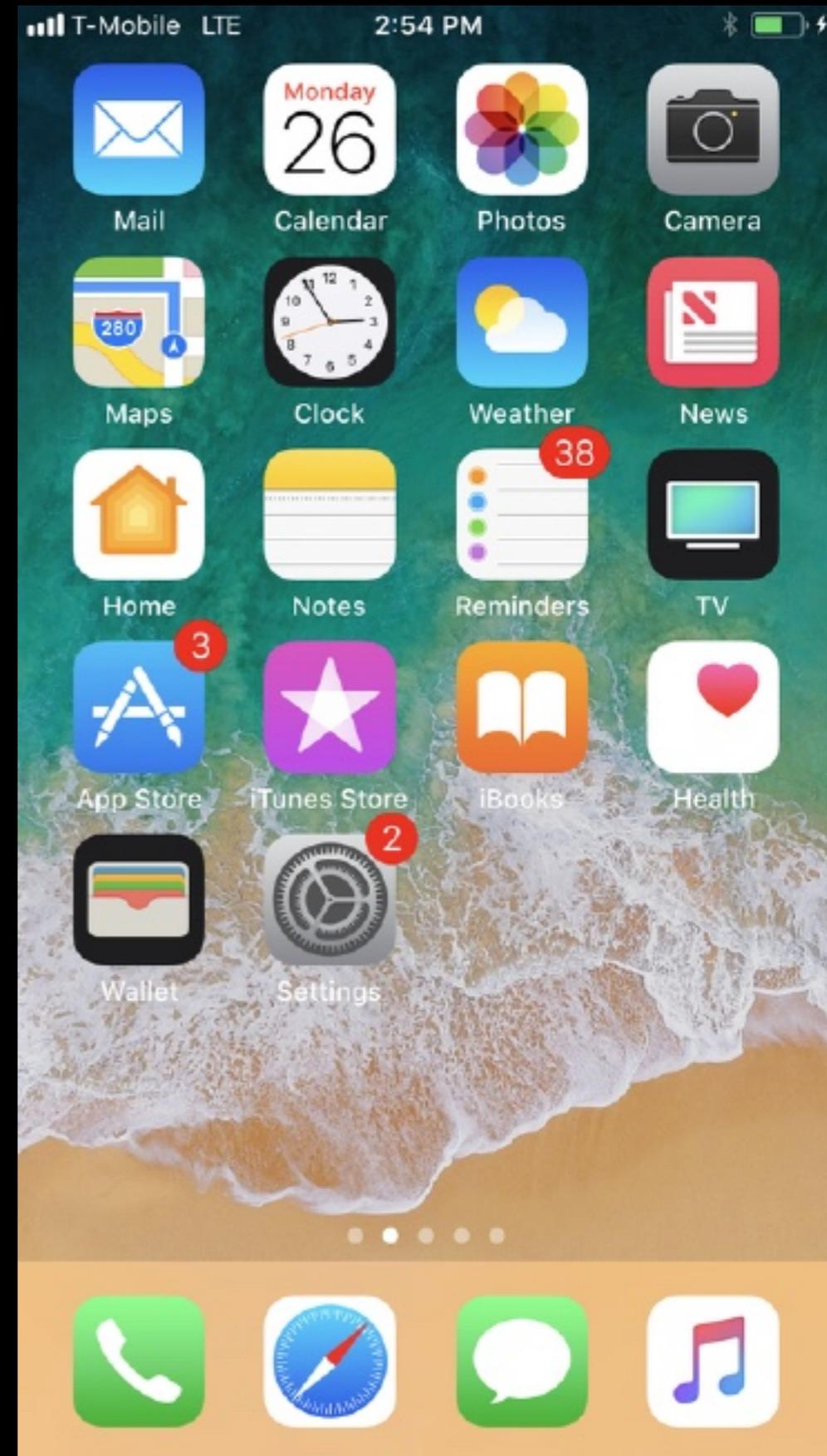
The first thing you need to do is check for app compatibility using the built-in checker tool (you need to be running iOS 10.3 or later for this to work). Go to Settings > General > About > Applications:

From there, you'll get a list of all the 32 bit apps on your iPhone or iPad that won't run on iOS 11. If you're lucky, you won't have any apps listed, or the apps that are listed will be old stuff that you forgot you had installed and no longer use.

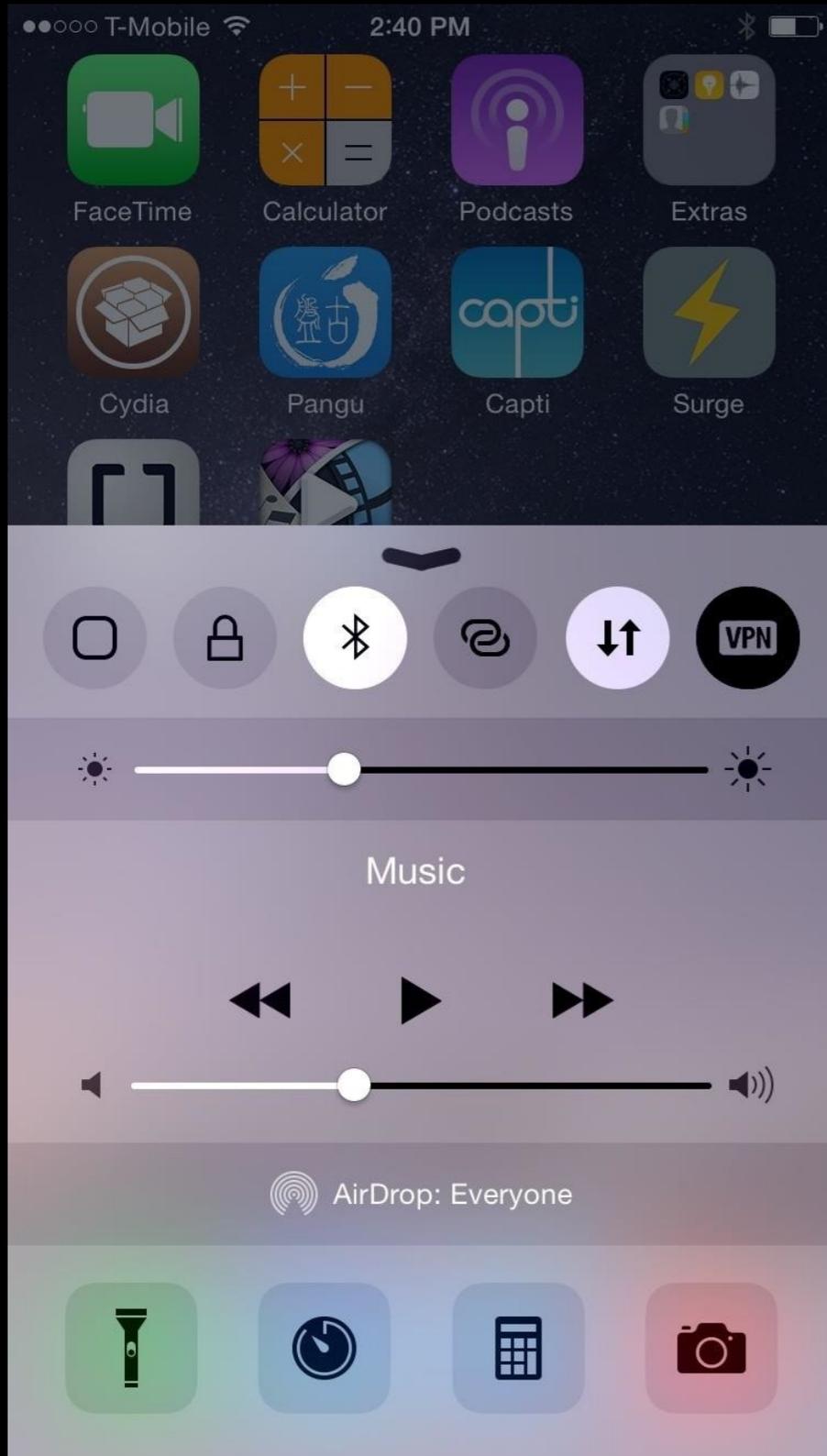
iOS 11 preview



On the left is the new lock screen, and the new home screen on the right. Some of the icons have changed, but the user interface is largely the same as earlier versions of iOS.

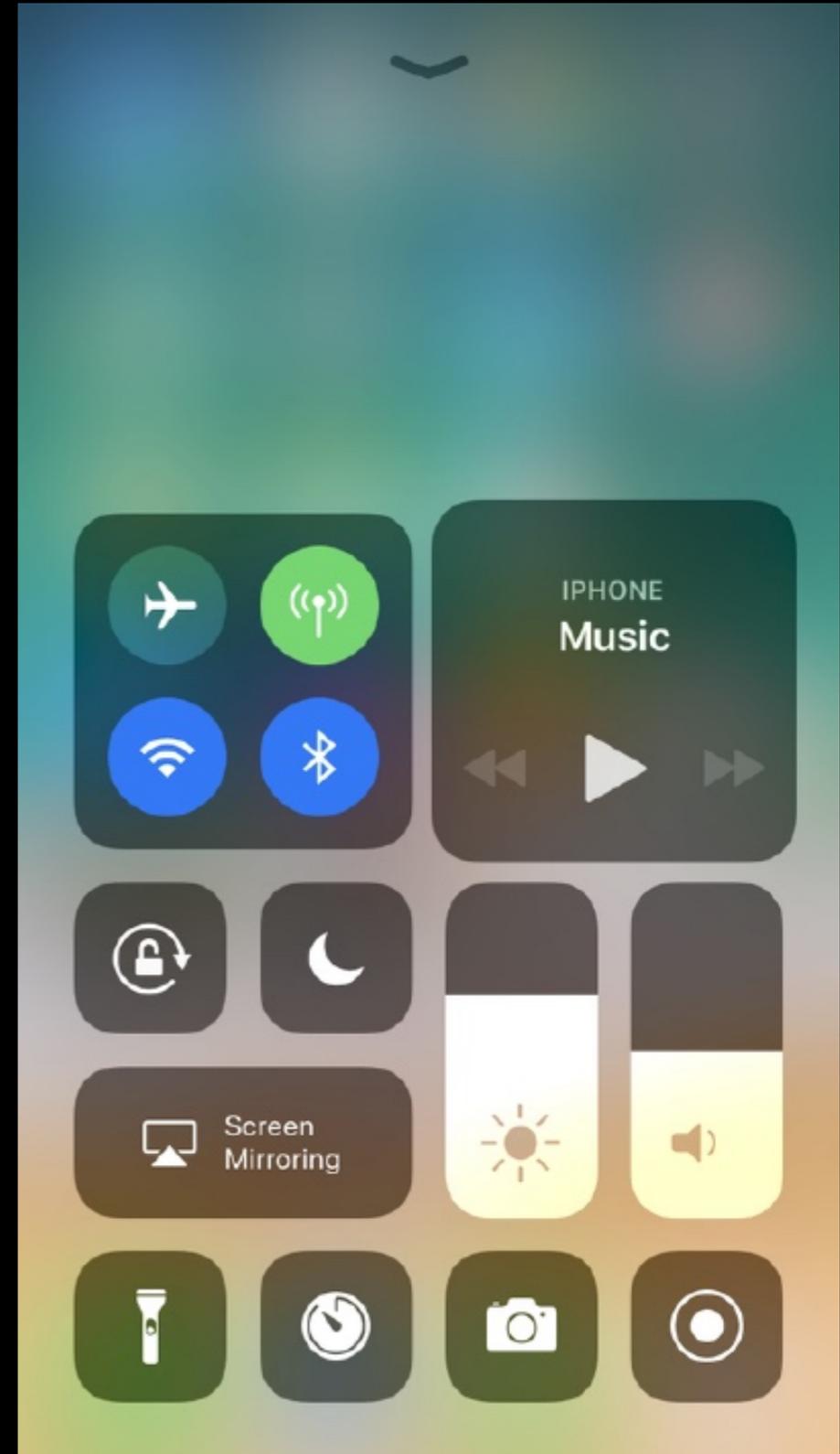


iOS 11 preview



Control center gets an update.

On the left is the current look and the right is the new customizable control center.



iOS 11 preview

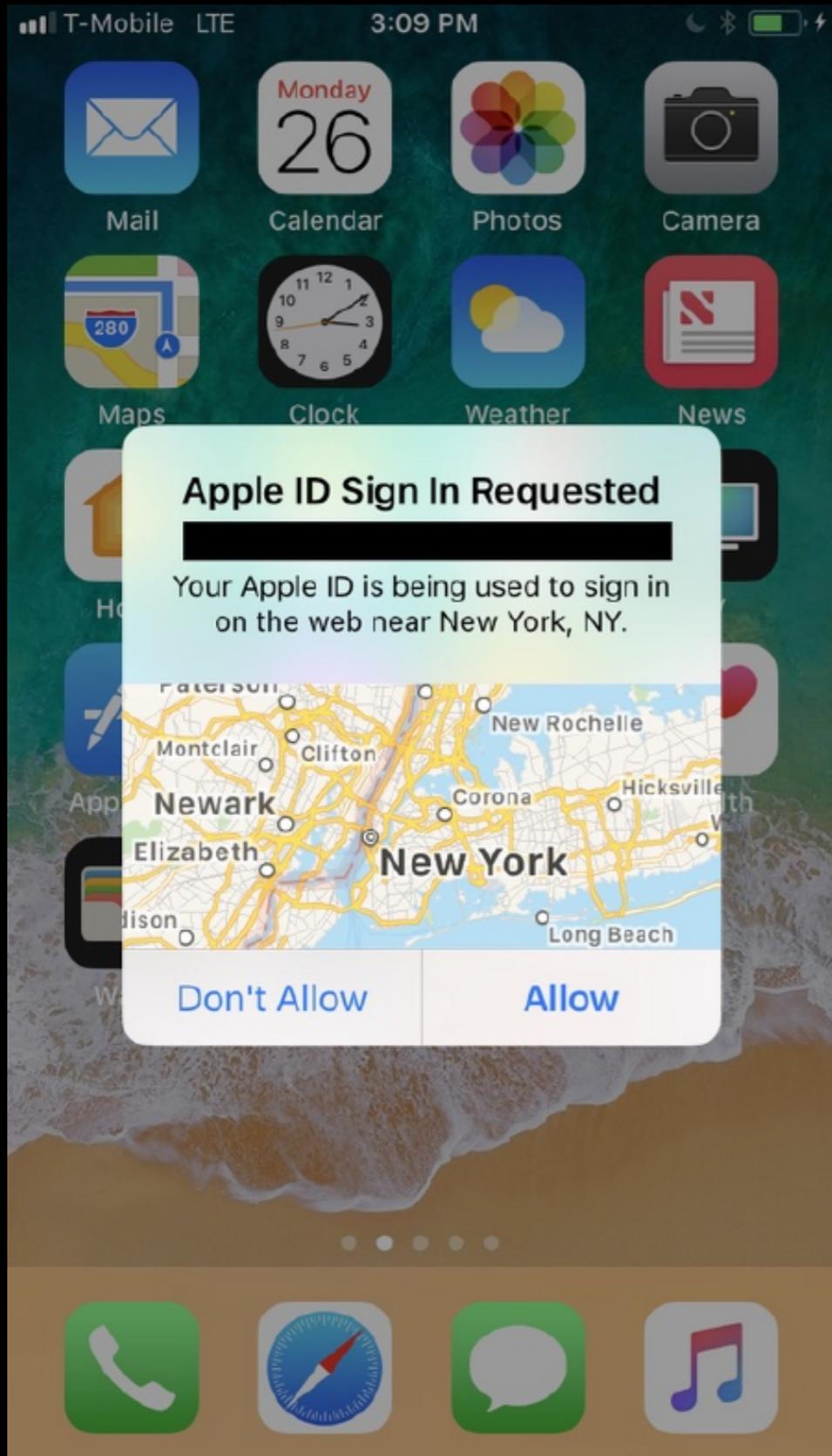


iOS 11 comes with its own in-built password manager

Tired of constantly forgetting your passwords? Apple wants to eliminate that pain point in iOS 11 by expanding its password-managing feature beyond its Safari browser.

Technically, password autofill for third-party apps has been available for a couple of years now, but developers had to enable the feature, and not a lot of apps actually did. With iOS 11 (currently in beta), however, Apple will enable the feature for all apps by including an extra key on the keyboard when it detects a login screen.

iOS 11 preview



iOS 11 pushes users to enable two-factor authentication

When it comes to your Apple ID on the new macOS High Sierra and iOS 11, that means enabling two-factor authentication. And you'll need to use those same hands to do it, because despite an email sent out in the early hours of June 6, Apple is not about to make mandated two-factor authentication (2FA) the default law of the land.

iOS 11 preview

You can now record your iPhone screen

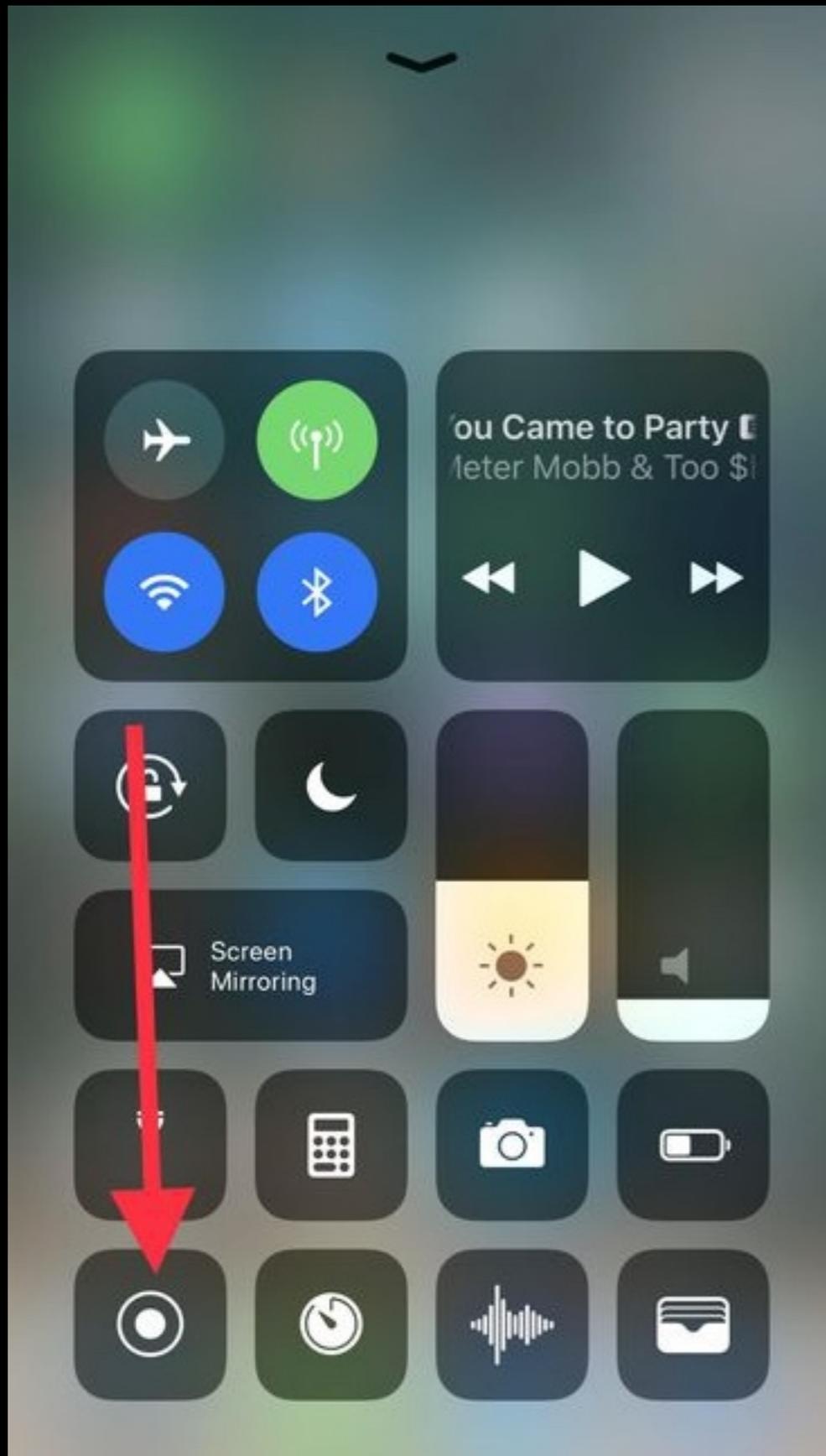
Yes, Apple added an awesome new screenshot tool to iOS 11 that practically makes the upgrade worth the price of admission alone. But, Apple also added a new Screen Recording tool. Meaning, instead of taking a boring screenshot and drawing on it with digital ink, you can now record and narrate your iPhone or iPad screen.

To use the new screen recording feature, you'll first need to add the feature's button to Control Center. Open Settings > Control Center > Customize Controls then tap the green plus button next to Screen Recording.



iOS 11 preview

You can now record your iPhone screen



With the shortcut added to Control Center, swipe up from the bottom of your iOS device's screen and tap the Screen Recording button. The button will immediately turn red, indicating it's active. A blue bar is also placed across the top of your screen, with a timer as a way to let you know you are still recording your screen.

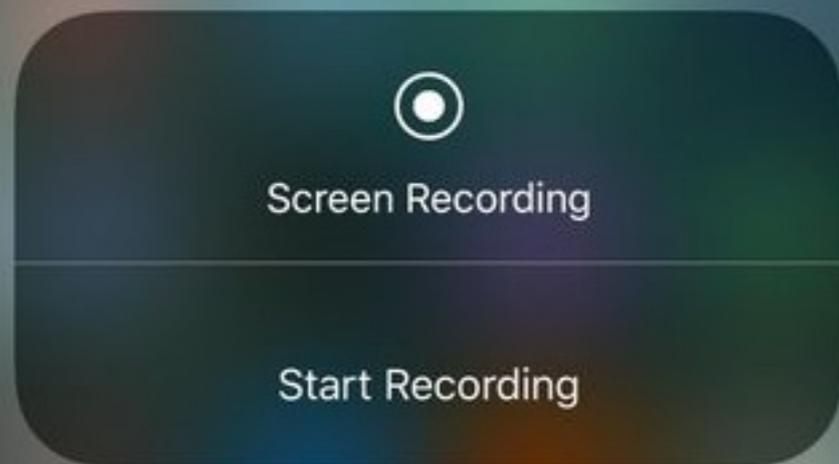
iOS 11 preview

You can now record your iPhone screen

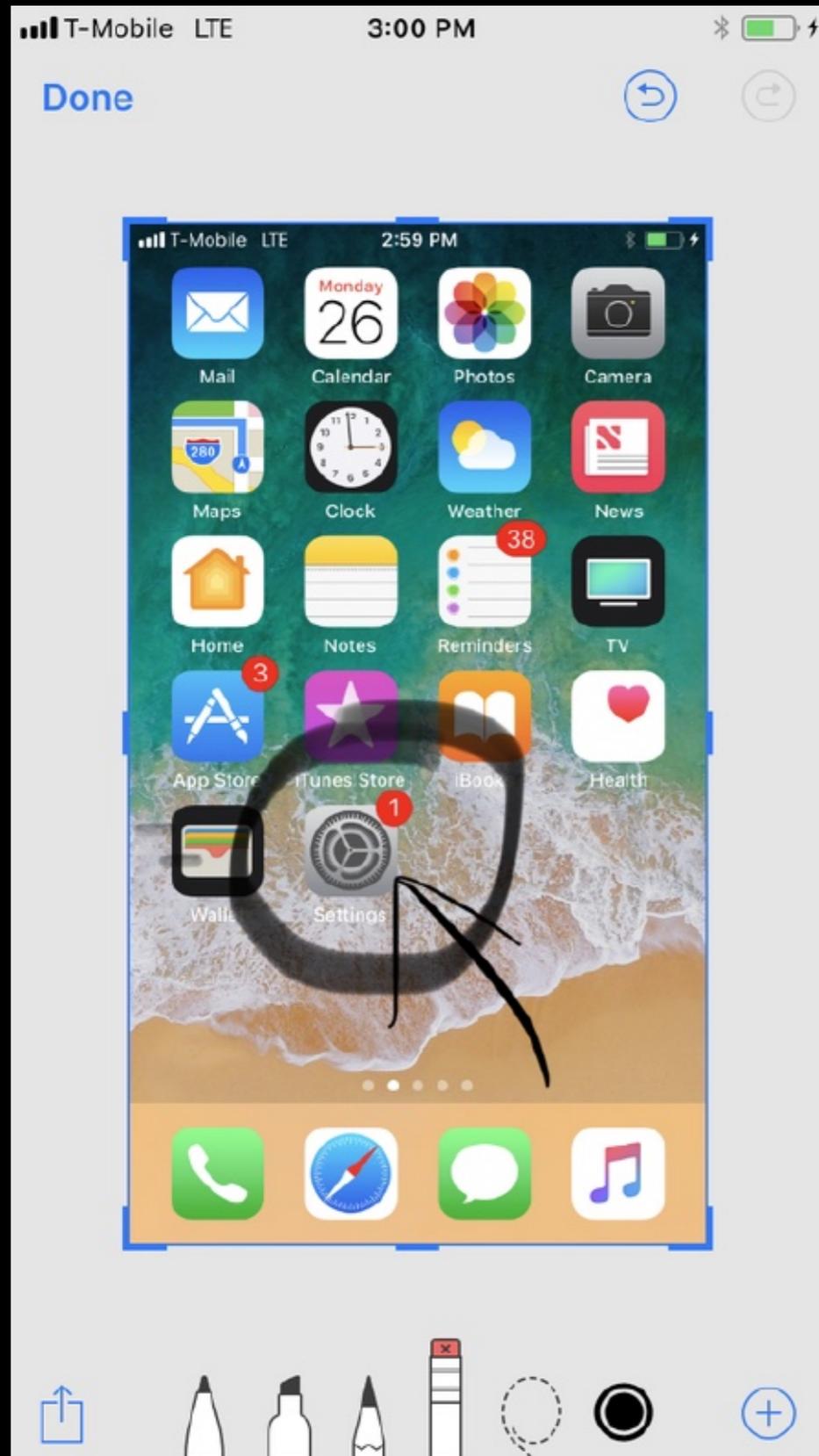
All right, but what if you want to walk someone through how to use a feature or a bug you keep running into? If you have a 3D Touch-enabled iOS device, hard-press on the Screen Recording shortcut in Control Center. If you lack 3D Touch, a simple long-press will do.

At the bottom of the additional toggles for Screen Recording is a button to turn Microphone Audio On or Off. Tap the button to turn audio recording on, then tap Start Recording. Now iOS 11 will record using your device's microphone along with whatever is on the screen. Neat, right?

Once you stop recording, the video is saved to the Camera Roll on your device. Open the Photos app to find it. You can then view, edit and share the recording as you would a video you recorded using the camera app.



iOS 11 preview

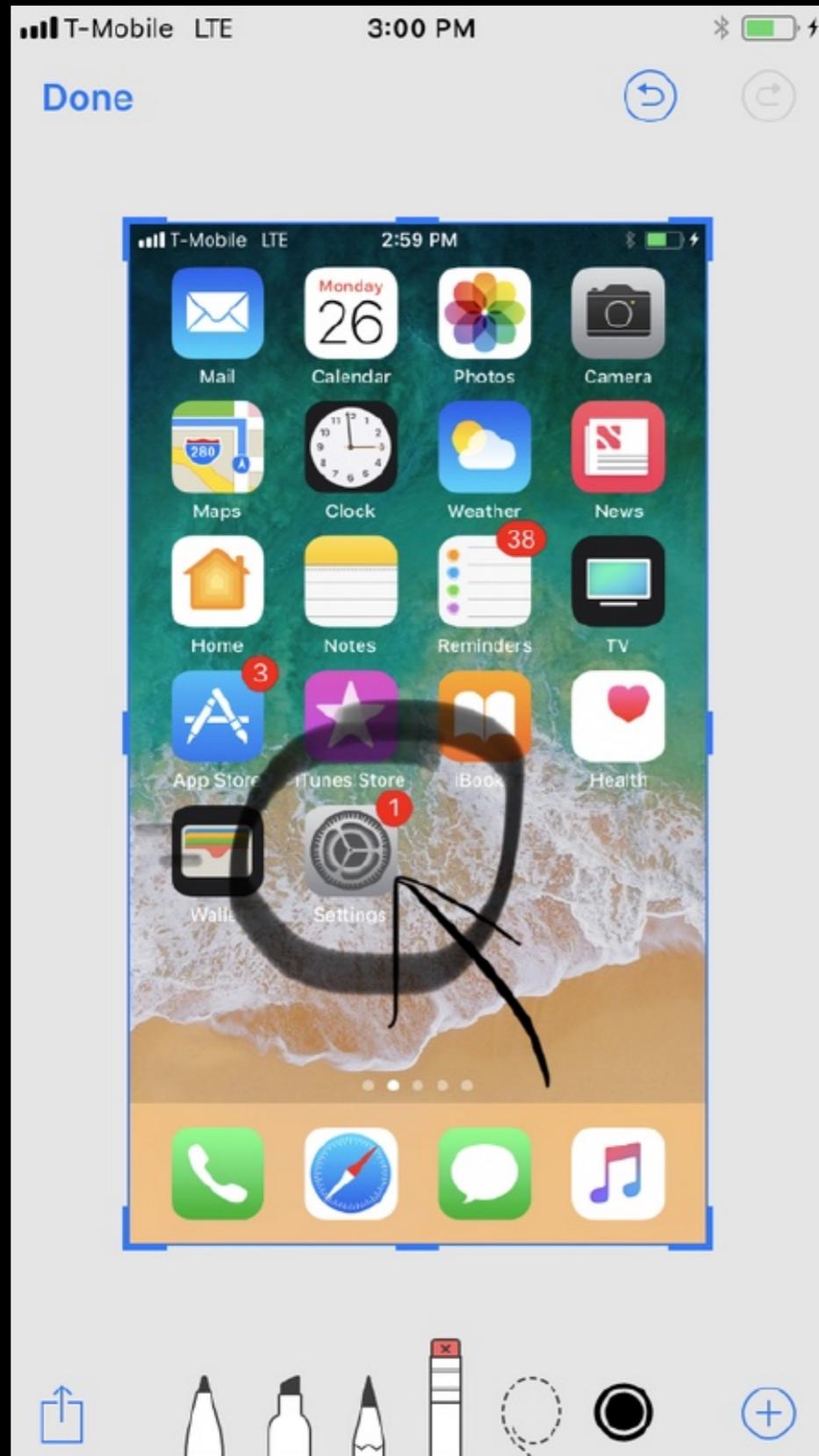


And you can mark-up screenshots

iOS 11 has added some great new features to the humble screenshot tool. You can quickly view a new screenshot without a trip to the Photos app first, and you can edit and mark it up before saving it. By adding some powerful pro-level features to screenshot markup, Apple has —somewhat ironically — made them way more useful and accessible for everyone.

Screenshots have always been possible on the iPhone and iPad, but they've always felt like the kind of secret feature that was added for internal use by Apple engineers, and left there for the rest of us to discover. Activated by pressing the home and the sleep/wake buttons together, the only way to know you'd grabbed a shot was the camera-shutter sound effect, and a white flash on the screen.

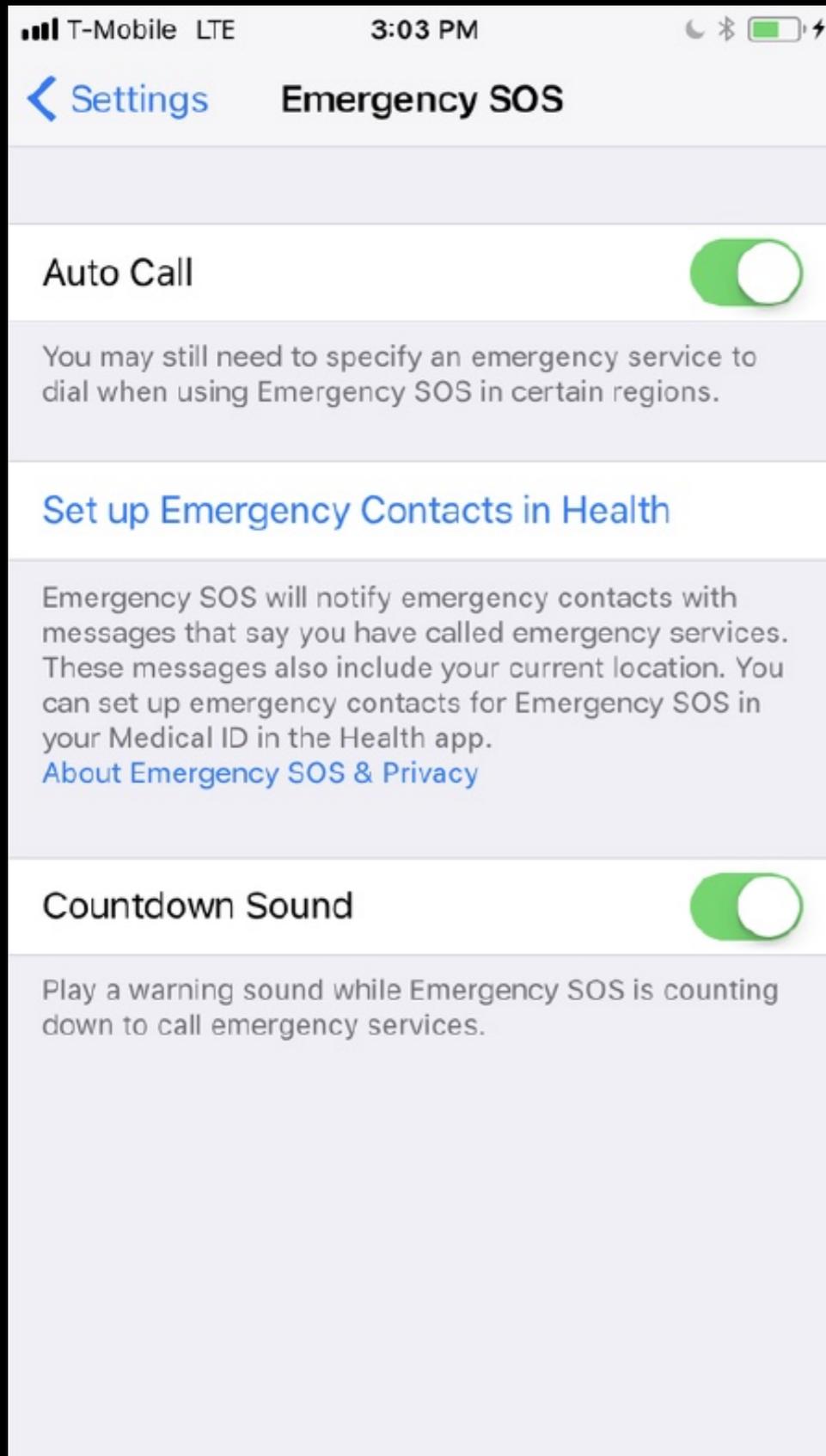
iOS 11 preview



In iOS 11, screenshots get a huge update. You still snap them in the exact same way (the two-button trigger, or the $\text{⌘} + \text{S}$ keyboard shortcut), but now you also get proper visual feedback. Take a screenshot and a large thumbnail slides onto the bottom left corner of the screen. If you ignore it, nothing new happens. The shot is saved to the Screenshots album in your photo library, and the thumbnail slides off screen after a few seconds.

However, if you tap the screenshot, Screenshots now get to use the standard iOS 11 Markup tools, the ones which are available everywhere, from marking up PDFs to sketching in the Notes app. You can use your finger or an Apple Pencil to draw with a highlighter, a marker or a pencil, erase your drawings, copy and delete sections, and to add signatures, text, magnified sections, and shapes (arrows, boxes, speech bubbles, and so on). You can also crop the image to the part you're interested in, all right there, without going near the Photos app.

iOS 11 preview



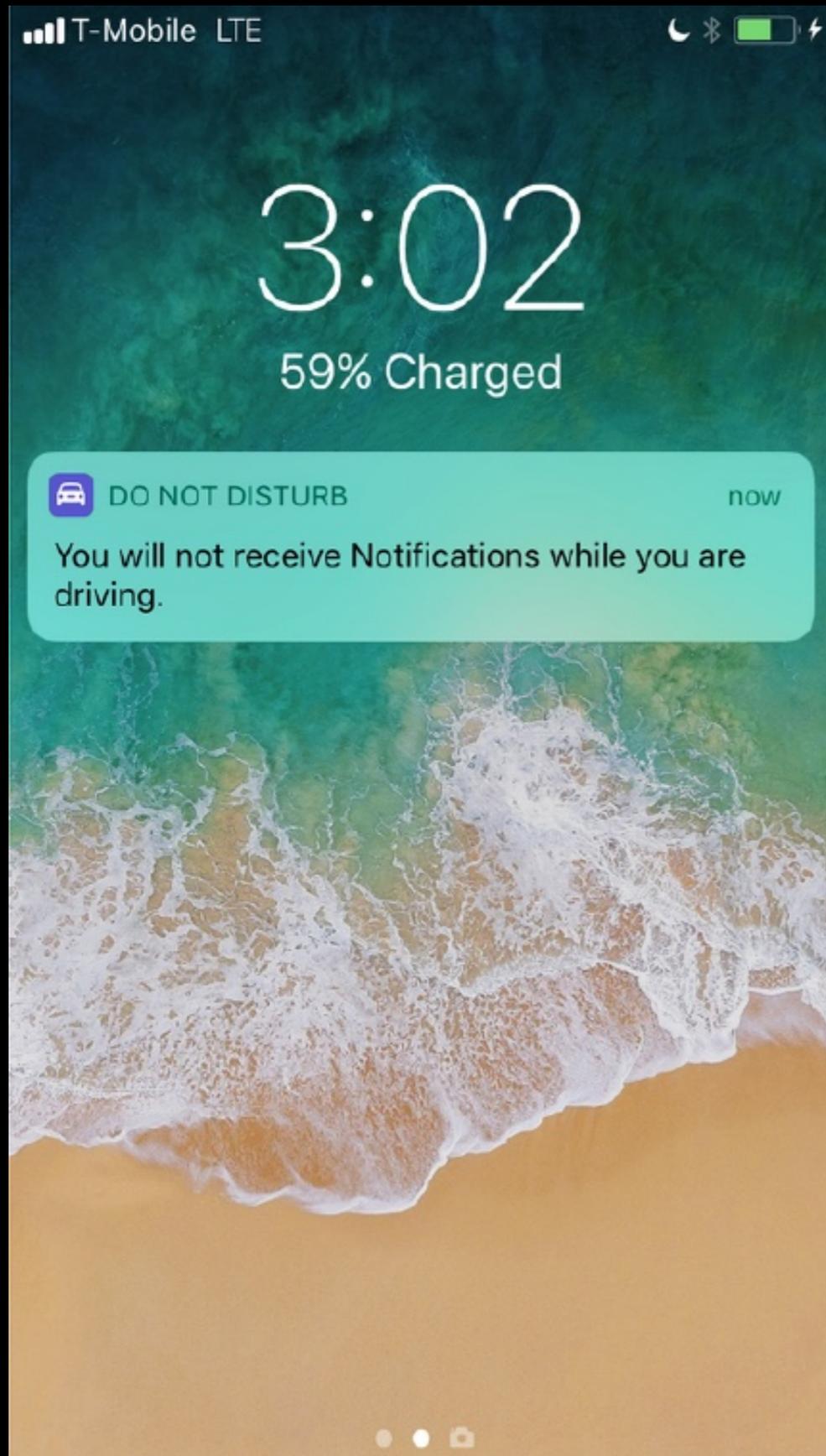
iOS 11 comes with an emergency SOS mode

Wherever you are in the world, there is likely access to some sort of emergency service for police, medical, or fire help. Different locations around the world have different call numbers for emergency services. Instead of having to know the local emergency service number, or waiting to be redirected from the number you've just called (like 911), you can be directly connected to the emergency number wherever you are using a shortcut on your iPhone.

When enabled, you can call emergency services without unlocking your iPhone by quickly pressing the Sleep/Wake button five times.

Once you've enabled Emergency SOS, you'll also be able to access the emergency contacts you have listed in the Health app from the Lock screen on your iPhone.

iOS 11 preview



iOS 11 will stop notifications coming in when you are driving

iOS 11 introduces a new Do Not Disturb While Driving feature that's designed to block incoming calls, texts, and notifications while you're driving, with the aim of cutting down on distractions to prevent accidents.

An extension of the existing Do Not Disturb feature that blocks incoming notifications during set times, such as while you're asleep, Do Not Disturb While Driving can be set to come on automatically, when connected to a car's Bluetooth, or manually.

With the automatic setting, Do Not Disturb While Driving will turn on whenever your iPhone detects the acceleration of a vehicle, an option that could be inconvenient when you're a passenger (though you can toggle it off in this situation). The Bluetooth setting turns the feature on whenever your phone connects to your car's Bluetooth, an ideal setting if you're the only person who drives your vehicle, and manually, as the name suggests, lets you turn it on from the Control Center.

While active, Do Not Disturb While Driving will mute incoming phone calls, notifications, and text messages, and your iPhone's screen will stay dark. For texts, there is an option to send your contacts a message that lets them know you're driving and will get back to them later. In an emergency, a person who is attempting to contact you via text while you're driving can break through Do Not Disturb by sending a second "urgent" message. The auto reply can be customized and turned on for all contacts, or specific groups like favorites or recents.

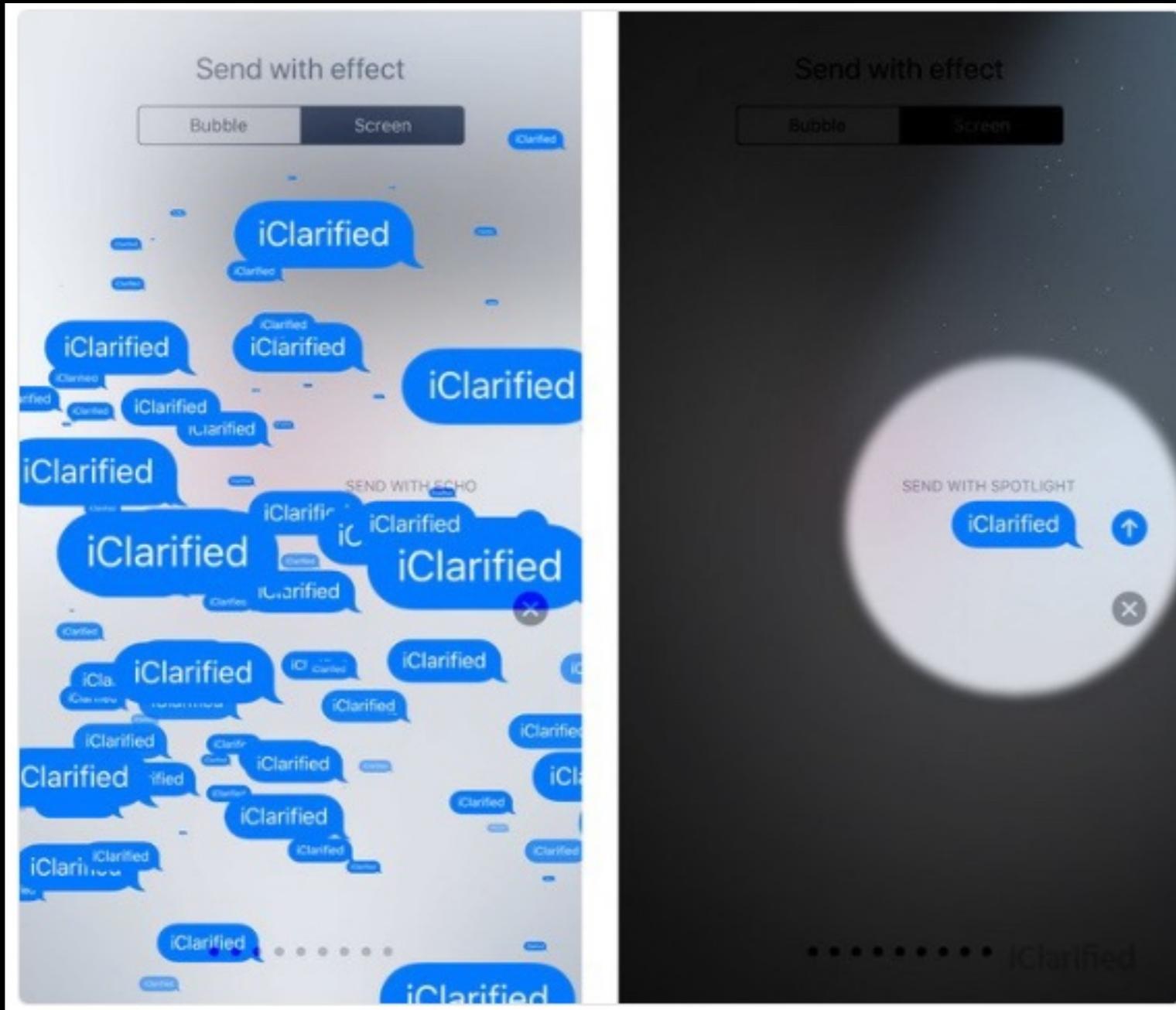
Phone calls are allowed so long as an iPhone is connected to a car's Bluetooth or a hands-free accessory, allowing you to respond without needing to pick up your phone. If not connected to Bluetooth or a compatible accessory, calls will be blocked like text messages and notifications.

Do Not Disturb While Driving is a fully optional feature that drivers can choose not to use or can toggle off at any time, but it's an important new safety feature that you should consider turning on to cut down on distractions.

For parents of teenagers, there's also a specific restriction setting (General --> Restrictions --> Do Not Disturb While Driving) that prevents Do Not Disturb settings from being changed, so you can make sure children are driving safely.

iOS 11 preview

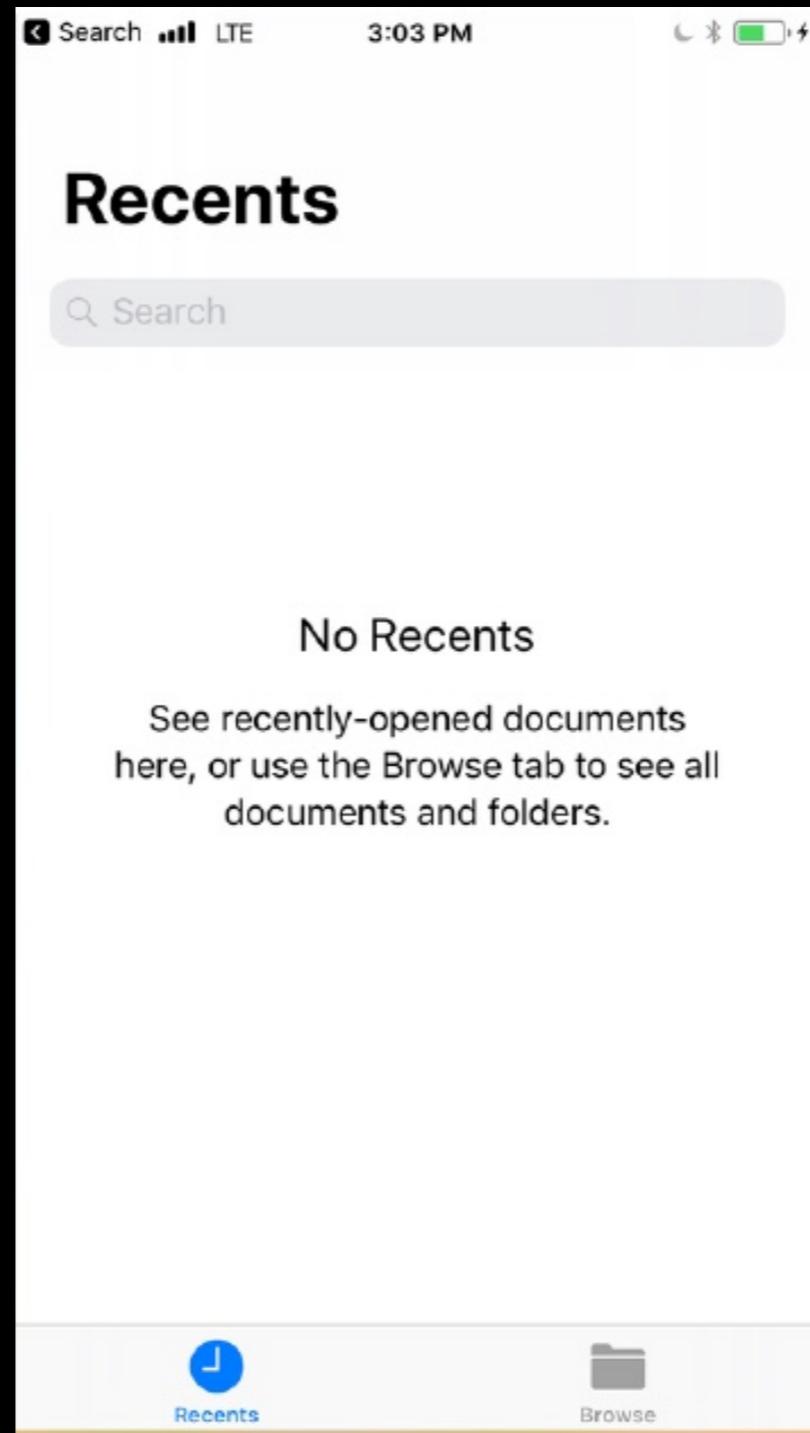
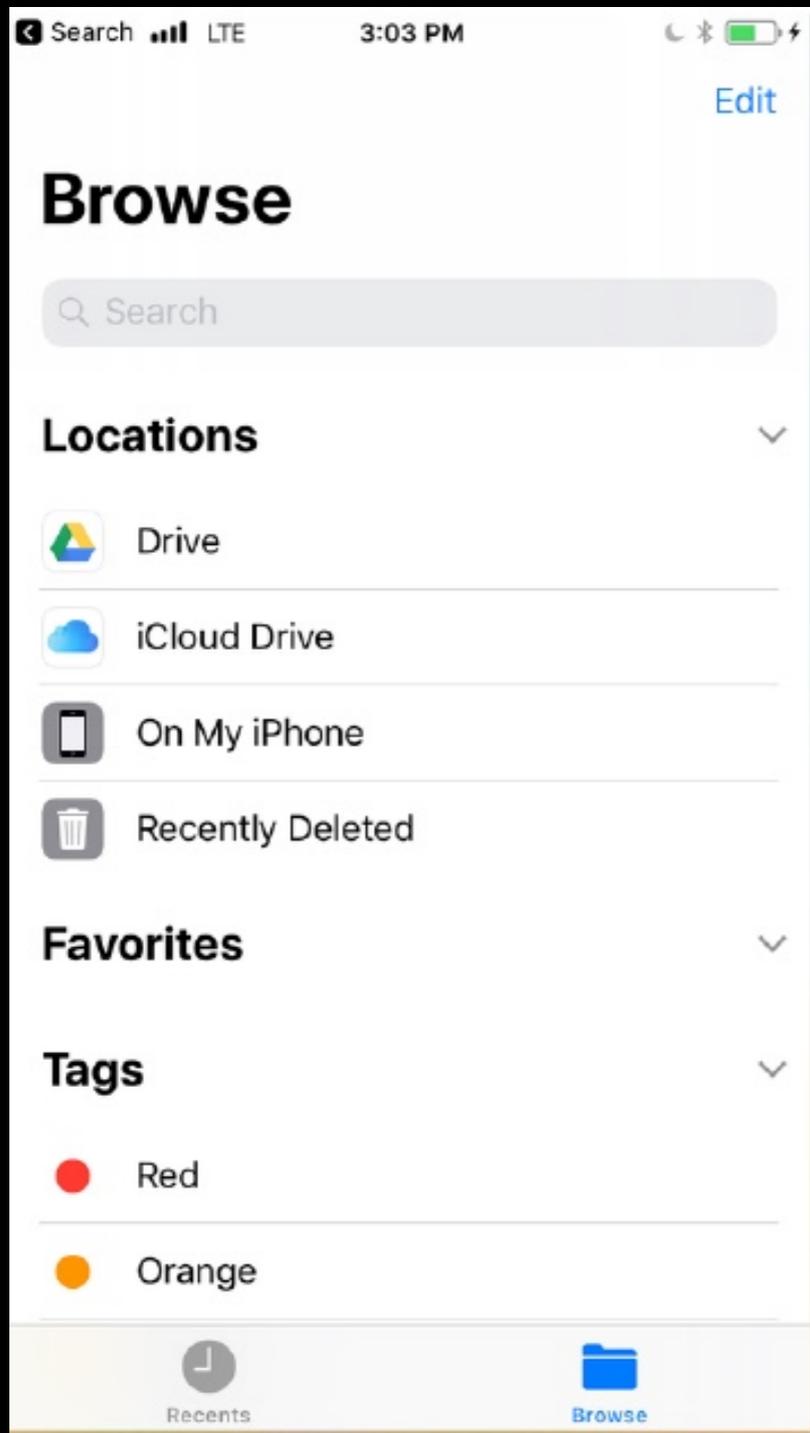
New effects are brought to the Messages app



One interesting new tweak to the Messages app in iOS that has come to light recently involves two brand new screen effects that Apple calls “Echo” and “Spotlight.” As the names imply, the Echo feature fills a user’s display with multiple instances of the same message. Meanwhile, the Spotlight feature adds a theatrical spotlight to an incoming message. While the new screen effects aren’t game-changers, they certainly are a bit more engaging than the existing effects.

iOS 11 preview

Files is a new document organizing app in iOS 11



Files App tour
- YouTube 5:37

iOS 11 preview



Compatibility

iOS 11 is compatible with 64-bit devices only, meaning the iPhone 5, iPhone 5c, and iPad 4 do not support the software update.

iOS 11 is compatible with the following iPhone, iPad, and iPod touch models:

iPhone

- iPhone 7 Plus
- iPhone 7
- iPhone 6s
- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus
- iPhone SE
- iPhone 5s

iPad

- 12.9-inch iPad Pro (first-generation)
- 12.9-inch iPad Pro (second-generation)
- 9.7-inch iPad Pro
- 10.5-inch iPad Pro
- iPad (fifth-generation)
- iPad Air 2
- iPad Air
- iPad mini 4
- iPad mini 3
- iPad mini 2

iPod touch

- iPod touch (6th generation)

MacOS High Sierra preview



The most important feature coming to a free update of macOS High Sierra this fall is a new file system that Apple says will make the OS more responsive and reliable.

MacOS High Sierra preview



A new file system - APFS

With macOS Sierra Apple announced plans to transition to a new Apple File System (APFS), and in macOS High Sierra, that transition is being completed. When installing macOS High Sierra, the new, much more modern file system is implemented as the new default, replacing the old HFS+ file system.

APFS is a 64-bit file system that's not only optimized for modern storage like solid state drives, but it's also easily adaptable to future storage technologies. APFS is safe and secure, offering crash protection, safe document saves, stable snapshots, simplified backups, and native encryption.

MacOS High Sierra preview

A new file system - APFS



Advanced. A new 64-bit architecture is designed for today's flash technology and ready for tomorrow's new storage capabilities.



Responsive. Designed to make common tasks like duplicating a file and finding the size of a folder's contents happen instantly.



Safe and secure. Enjoy even more peace of mind with built-in encryption, crash-safe protections, and simplified data backup on the go.

It's much more responsive than HFS+, with instant file and directory cloning, fast directory sizing, high performance parallelized metadata operations, and sparse file writes.

What the average macOS High Sierra user needs to know about APFS is that it's a significant improvement over HFS+ that's going to introduce better performance in the form of simple encryption, faster file transfers, and more.

MacOS High Sierra preview



Compatibility

macOS High Sierra is compatible with all Macs that can run macOS Sierra.

2009 AND LATER

- iMac (Late 2009)

- MacBook (Late 2009)

2010 AND LATER

- MacBook Air (Late 2010)

- MacBook Pro (Mid 2010)

- Mac mini (Mid 2010)

- Mac Pro (Mid 2010)