



the definite enterprise guide for iOS 14.5

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THE EMEA



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1. Context

With WWDC in less than 2 months and with the release of version 14.5, iOS is reaching peak maturity.

This document puts the focus on iOS 14.5 and is based on final release notes of the public version. After just a week of its launch, Apple has started to distribute patch updates for the latest version of its iOS and iPadOS 14.5 operating systems. There were several issues that needed addressing. In this document you will also find the information about this major security update.

In this document you will discover all enhancements and major new features that will probably impact the digital evolution in your company.

Enjoy the reading!

2. Before you start

In this paper we will only focus on those new features that deliver a true enterprise value or facilitate data security/privacy. This document does not summarize all new iOS 14.5 features; please refer to <http://www.apple.com> for more details on the complete listing.

Check <https://developer.apple.com/enterprise/> for the latest updates.
No information available through this program is part of this whitepaper.

If you have a developer account, check the enterprise resources for detailed protocol and profile reference details.

3. What's new in iOS 14.5?

3.1 Battery Health recalibration for all iPhone 11 models

All iPhone 11 models potentially may have inaccurate estimates of battery health reporting. Symptoms like unexpected battery drain or reduced peak performance are the things to look out for. The recalibration might take a few weeks to complete, during which you will find a message in Settings > Battery > Battery Health. If your battery has degraded significantly, you will find a message here after recalibration. In a small number of instances, your battery needs servicing for which you can contact Nomasis or your preferred Apple Authorized Service Provider.



As this means handing over your device to a third-party, you should be aware of a possible data breach. Therefore, backup your device first, then wipe it before handing it over. Do not forget to unassign the device from MDM.

For all details, please consult <https://support.apple.com/en-us/HT212247>.

Supervision required:	no
Operations Efficiency:	****
User Experience:	***
Security:	***
Impacted MDM profiles:	none

3.2 Unlock iPhone with Apple Watch

For over a year we've been wearing masks at work, in the supermarket, basically almost everywhere. Face ID does not work when an object is obstructing your nose and mouth as the TrueDepth camera does need to project and recognize those facial points. As we rely on Face ID for authentication on our devices, this has been posing a challenge. While you are wearing a mask, you cannot unlock your iPhone or you cannot use Face ID to use your banking card stored in Wallet, but instead the system reverts to the access code.



To address this, you can now use a paired and unlocked Apple Watch to unlock your iPhone. To use this feature, you'll need to update both your devices (iOS 14.5 and watchOS 7.4) and on your iPhone, go to Settings > Face ID & access code > Unlock with Apple Watch. Your Apple Watch needs to be nearby the iPhone. When you want to unlock your iPhone, you'll feel a double buzz on your wrist, telling you your nearby iPhone is now unlocked. It does not require a confirmation tap on the Watch. From your Apple Watch you can also lock your iPhone.

Paying mechanisms do revert to your unlock code for additional protection.

However, a potential security issue arises in the situation where you could get pickpocketed and ignoring the double buzz on your Apple Watch, thus exposing your data.

Supervision required: no

Operations Efficiency: *****

User Experience: *****

Security: *****

Impacted MDM profiles:

- Passcode
- Restrictions > multiple related passcode / Touch Id / Face ID settings
- Restrictions > multiple Apple Watch related settings
- Restrictions > Apple Watch wrist detection (recommended)

3.3 App Tracking Transparency

Since a while the App Store displays information about the app privacy details.

For more details on that topics, please see <https://developer.apple.com/app-store/app-privacy-details/>.

In addition to that your iPhone will now prompt you to allow apps to track you outside of the app (other apps or websites). Do notice Apple is not blocking this tracking, this is simply to alert the user that a certain app is trying to track you, which you can then refuse or allow.

Supervision required: no

Operations Efficiency: ***

User Experience: ****

Security: ****

Impacted MDM profiles:

- Restrictions > Limited ad tracking

3.4 5G Global dual-sim support

Prior to iOS 14.5, both connections are limited to 4G LTE when using your iPhone 12 in dual sim mode. This will change and 5G will now be supported on the data connection. Although this speed improvement does not imply a security issue as such, we must keep asking ourselves if we are using the right carrier to transmit our enterprise related data.

Supervision required: no

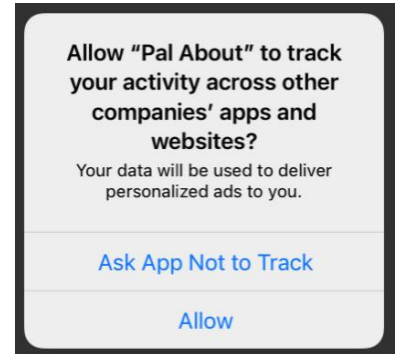
Operations Efficiency: *****

User Experience: *****

Security: ****

Impacted MDM profiles:

- Network usage rules (supervised only)
- Restrictions > Modifying eSIM settings
- Restrictions > Modifying personal hotspot settings





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3.5 “Hey Siri, call Emergency”

You can now ask Siri to call local emergency services. You'll get a three second delay before the call actually takes place. In these times where we are all too aware of the importance of our own health and the health of our loved ones, the easy access to medical care cannot be overrated, making sure that our personal security can be protected as easily as possible.

Supervision required: no

Operations Efficiency: *****
User Experience: *****
Security: *****

Impacted MDM profiles:

- Restrictions > Siri

3.6 Reporting accidents, road hazard and speed traps

A feature which you'll find in other navigation apps such as Waze or Google Maps, will now come to Apple Maps. While getting us to our destination quick and safe sure is a, efficient experience, it is at this time unclear how these data is interchanged.

Supervision required: no

Operations Efficiency: *****
User Experience: *****
Security: ****

Impacted MDM profiles:

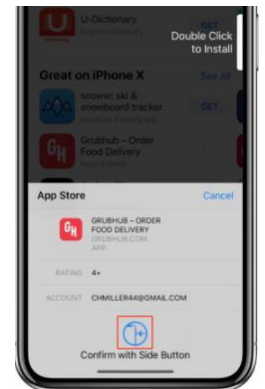
- Whitelist/blacklist of apps (sometimes found under restrictions)

4. Other new features

In the previous chapter we've listed the most important iOS 14.5 features which will have a direct impact to iOS in the enterprise.

But iOS 14.5 includes some other nice features which are not considered as business features, but will have a positive impact on the user experience:

- Support for AirTags
- New Siri Voices
- Tweaks and updates for Podcast, Apple News, Music and Reminders
- Sync you Xbox X/S or PS5 controller to your iPhone or iPad
- Redesigned and new emoji
- Horizontal boot screen for iPad
- Emoji search for iPad
- Airplay 2 integration in Fitness+



5. iOS 14.5.1 Security patches

This update fixes an issue with App Tracking Transparency (or simply "ATT") where some users who previously disabled Allow Apps to Request to Track in Settings may not receive prompts from apps after re-enabling it. This update also provides important security updates and is recommended for all users.

Details about the security vulnerabilities closed with iOS 14.5.1 for iPhones and iPadOS 14.5.1 for iPads can be found [here](#).

The iPhone and iPad firmware is available as an over-the-air (OTA) update. Users can trigger the update by navigating to Settings and tapping General Software Update. After a new software update releases, it can potentially take some time to see the available firmware as it propagates across Apple's content delivery networks.