

# iPhone Operating System (iOS)

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# Overview

- What is an Operating System
- What is iOS?
- History
- Features
- iOS Jailbreaking
- Conclusion

# Operating System?

- A set of programs that manage computer hardware resources and provide common services for application software
- software that supports a computer's basic functions, such as scheduling tasks, executing applications, and controlling peripherals on a computer device
- Most important system software in computer system
- Users cannot run an application program on computer without OS, it's the brain of the system
- Ie. Android, Mac OS X, Microsoft Windows, Linux

# IOS?

- Apples mobile operating system considered the foundation of the iPhone
- Originally designed for the iPhone but now supports iPod touch, iPad, and Apple TV
- It is updated just like Itune for iPods
- As of Oct 2011 Apple contains over 500,000 iOS applications

# History

- iPhone OS was first revealed in Jan 2007 at the Macworld Conference and Expo
- Released June 2007
- In June 2010 licensed the trademark iOS (From Cisco IOS)
- Now goes all the way up to iOS 9 (released few months ago)

# Evolution of the iOS Home Screens



[www.ianatomija.info](http://www.ianatomija.info)

- IOS 8 and 9 has the same home screen as IOS 7

Home screens for all the IOS

# IOS 2 features

- Support for iphone 3g
- Support for App store and third-party applications and games
- Support for Microsoft Exchange
- Support for 3G data and GPS
- In between IOS 2 to 3 there were many updates that fixed bugs, and added a little more features to it.



# iOS 3 features

- Copy and paste
- Text message with photos and videos
- Bluetooth connections between iPhones and ipod touches
- Landscape mode in mail, text, and notes
- New app: Voice memos, which does what you'd expect from the name
- A revised stock app
- Voice control (for Iphone 3GS only)



# iOS 4 features

- Multitasking
- Folders to organize apps
- Improved security and business features
- iBooks for iPhone, iPod touch
- iAd - a mobile advertising platform developed by Apple Inc
- 100+ other fixes and features
- Drops support for the original iPhone

# iOS 5 features

- Support for iCloud and iTunes Match
- iMessage
- Notification Center and updated lock screen to include notifications
- Built-in Reader and Reminders apps; a read-later and to-do list app, respectively
- Tweaks to the Camera app to add a camera shortcut to the lock screen and the ability to use the volume up button to take photos
- Formatting-related tweaks to Mail app
- Newsstand, a new app for reading magazines purchased through the App Store
- Tweaks to Game Center app, including support for turn-based network games

# iOS 6 features

- Replaced earlier Maps app with new, Apple-created Maps app
- Turn-by-turn directions
- Do not disturb
- Passbook
- New privacy control
- Removed YouTube app
- Expanded features for Siri
- Facebook integration
- Support for FaceTime over cellular networks
- Bug fixes

# iOS 7 features

- New user interface
- iTunes Radio
- iTunes in the Car
- Control Center
- Improvements to Find My iPhone, including Activation Lock
- TouchID fingerprint scanner on iPhone 5S
- Air Drop
- Image filters built in Camera app
- Hundreds of smaller changes

# iOS 8 features

- Third-party keyboards
- App extensions to provide functionality between apps
- Support for Apple's Continuity and Handoff features with Mac OS X
- iOS-to-Mac AirDrop support
- Healthkit support
- Homekit support
- Improvements to the Messages app, including voice messages and auto-expiring messages
- Family Sharing
- Wi-Fi calling.

# iOS 9 features

- Maps app with mass transit directions
- Proactive, Apple's Google Now competitor
- Improved Siri
- 3D Touch on iPhone 6S series
- Live Photos
- Low power mode for up to 3 hours of extra battery life
- Overhauled Notes app
- New apps: News, Switch to iOS, iCloud Drive
- Improvements to HomeKit and CarPlay
- Smaller file size for apps, less free space needed to update OS

# features

- In between all the iOS updates there were also minor updates fixing bugs and adding a little more improvements to make the use of the system more reliable, easy and fun. Not all the features were mentioned, because there are 100s of more features that can be done.



# Primary Applications

- Safari
- Music
- Mail
- Phone, Face time video calling

# Secondary Applications

- Camera, Camcorder
- Photos
- Calendar
- Messaging
- YouTube
- Stocks
- Map
- Clock
- etc.

# Jailbreaking

- Has been prone to numerous hackings by adding functions not supported by Apple
- Before this was done in order to install third party applications, but since there is no longer a need, this is done to modify current applications
- The more the iOS has been updated, the fewer the jailbreaking incidences
- Benefits is that you can save a lot of money by not purchasing the apps and getting it for free by jailbreaking it.



# Should you Jail break

- Restoring a jailbroken device is not always so easy, despite what people might say. It is easy to get stuck in a restore loop that bricks your device, in other words gets blocked. Apple can always tell a once-jailbroken device even after you "remove" it, which, by the way, it is not completely removed. An Apple Store employee can and will make a note of your serial number, marking it as jailbroken and thus it being unable for repairs. If you have a second device which you may not use, then go for it, other than that it's a risk to take.

# In Conclusion

- Operating systems are needed in order to use various applications on your computer and wireless devices
- Without iOS and its continual upgrades there would be no way to operate today's trend setting wireless Apple devices
- Every update brought us closer to the future we think about, or thought about.

# Works Cited

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