iOS 6

iOS 6 is the sixth major release of the iOS mobile operating system developed by Apple Inc, being the successor to iOS 5. It was announced at the company's Worldwide Developers Conference on June 11, 2012, and was released on September 19, 2012. It was succeeded by iOS 7 on September 18, 2013.[1]

iOS 6 added a new Apple Maps app, replacing Google Maps as the default mapping service for the operating system; a dedicated Podcasts app, as a central location for podcasts; and a Passbook app, for managing different types of tickets, boarding passes, coupons, and loyalty cards. The App Store received a visual overhaul, bringing a card-based app layout as well as tweaks to search algorithms. Facebook was integrated into the operating system, incorporating status messages, like buttons, and contact and event synchronization to several of Apple's apps. New privacy controls allow users more fine-grained app permissions, as well as an option to prevent targeted advertising. Siri was added to more devices, and updated with more functionality, including the ability to make restaurant reservations, launch apps, retrieve movie reviews and sports statistics, and read items from the Notification Center.

Reception of iOS 6 was positive. Critics noted that the operating system did not offer any significant speed improvements or major redesigned elements, but instead focused on refinements, with a general consensus that Apple "isn't overhauling things for the sake of it". iOS 6 didn't "completely change the way you use your device", but "each of the tweaks [...] will make many daily smartphone actions easier across the board", and critics noted that refinement of "something that already works extremely well" is "something other companies would do well to emulate".

The release of Apple Maps, however, attracted significant criticism, due to inaccurate or incomplete data. The issues prompted an open letter of apology from Apple CEO Tim Cook, and played a contributing role in the dismissal of Scott Forstall from the company, who had supervised iOS development since its inception.

iOS 6	
A version of the iOS operating system	
iOS 6 running on an iPhone 5	
Developer	Apple Inc.
Source model	Closed, with open source components
Initial release	September 19, 2012
Latest release	6.1.6 (10B500) / February 21, 2014
Platforms	**iPhone**
	iPhone 3GS
	iPhone 4
	iPhone 4S
	iPhone 5
	iPod Touch

Contents

History

	iPod Touch (4th generation)
	iPod Touch (5th generation)
	iPad
	iPad 2
	iPad (3rd generation)
	iPad (4th generation)
	iPad Mini (1st generation)
Kernel type	Hybrid (XNU)
License	Proprietary EULA except for open-source components
Preceded by	iOS 5
Succeeded by	iOS 7
Official website	Apple - iOS 6 (https://web.archive.org/web/20130904020030/http://www.apple.com/ios/) at the Wayback Machine (archived September 4, 2013)
Support status	
Unsupported	

History

iOS 6 was introduced at the Apple Worldwide Developers Conference on June 11, 2012.[2]
iOS 6 was officially released on September 19, 2012.[3][4]

Updates

Version	Build	Release date	Notes
6.0[a]	10A403 10A405[b] 10A406[c] 10A407[d]	September 19, 2012	Initial release
6.0.1	10A523 10A525[b] 10A8426[e]	November 1, 2012	Bug fixes[5][6]
6.0.2[f]	10A550[g] 10A551[b] 10A8500[h]	December 18, 2012	Wi-Fi fixes[7][8]
6.1	10B141 10B142[i] 10B143[b] 10B144[j]	January 28, 2013	LTE compatibility for more carriers around the world, Siri and Fandango integration to allow users to purchase movie tickets by voice (U.S. only), "Reset Advertising Identifier" setting in Settings, allowing users greater control over how apps track their usage[9][10]
6.1.1[i]	10B145	February 11, 2013	Fixes for cellular performance and stability[11][12]
6.1.2	10B146 10B147[h]	February 19, 2013	Fix for an Exchange calendar bug that could impact network activity and battery life[13][14]
6.1.3	10B329	March 19, 2013	Bug fixes, including patching a potential lock screen bypass method, and various improvements.[15][16]
6.1.4[b]	10B350	May 2, 2013	Fixes for speakerphone on iPhone 5[17][18]
6.1.5[k]	10B400	November 14, 2013	Fixes an issue when FaceTime calls could fail[19][20]
6.1.6[l]	10B500	February 21, 2014	Fixes for SSL connection verification[21][22]

a. Initial release on iPhone 5, iPod touch (5th generation), iPad (4th generation) and iPad mini (1st generation)
b. iPhone 5 only
c. iPad mini (1st generation) and iPod Touch (5th generation) only
d. iPad (4th generation) only
e. iPad (4th generation) (Wi-Fi + Cellular) and iPad mini (1st generation) (Wi-Fi + Cellular) only
f. iPhone 5 and iPad mini (1st generation) only
g. iPad mini (1st generation) (Wi-Fi) only
h. iPad mini (1st generation) (Wi-Fi + Cellular) only
i. iPhone 4S only
j. iPhone 4 (GSM) and iPod Touch (4th generation) only
k. iPod touch (4th generation) only
l. iPhone 3GS and iPod touch (4th generation) only

System features

Siri

Apple's Siri intelligent personal assistant, introduced in iOS 5 with the release of the iPhone 4S, was updated to include the ability to make restaurant reservations, launch apps, read items from Notification Center, dictate Facebook and Twitter updates, retrieve movie reviews, detailed sports statistics, and more.[23]

Siri received language support for Italian, Korean, and Cantonese,[24] and device support for iPhone 5, fifth-generation iPod Touch, and third-generation iPad.[25]

In iOS 6.1, Siri was integrated with Fandango, allowing users to buy film tickets by voice. The feature was only available in the United States at launch.[9]

Facebook integration

Facebook came integrated in several of Apple's native apps with iOS 6. Facebook features could be directly accessed from within native apps such as Calendar, which could synchronize Facebook events; Contacts, which could show Facebook friend information; and the App Store and Game Center, which featured Facebook's like button; as well as through a widget in the Notification Center, which allowed users to post status updates to the social network.[23][26]

Settings

The Settings app received multiple changes in iOS 6. The icon was revised to match the System Preferences icon used in the then-named OS X computer operating system developed by Apple; and a "Do Not Disturb" mode was added, which allows users to disable phone sounds. Additional options for Do Not Disturb mode include being able to allow phone calls from a specific group of contacts, and allowing sound on the second call if someone calls repeatedly. A crescent moon icon will appear in the status bar when Do Not Disturb mode is enabled.[27]

New privacy settings became available to users. In addition to "Location Services", the following menus were added in iOS 6: "Contacts", "Calendars", "Reminders", and "Photos". The updated privacy menus allow users more fine-grained privacy permission controls for each app, with new notifications when apps want access to information in each of the categories.[28]

iOS 6 also came with a "Limit ad tracking" user control setting to allow users the option to prevent targeted advertising. Apple's "Advertising Identifier" was described by Apple as "a nonpermanent, nonpersonal, device identifier, that advertising networks will use to give you more control over advertisers' ability to use tracking methods. If you choose to limit ad tracking, advertising networks using the Advertising Identifier may no longer gather information to serve you targeted ads."[29]

In iOS 6.1, a "Reset Advertising Identifier" setting was added to allow users to reset the identifier used by advertising companies.[9]

Other

iOS 6 added a Twitter widget in the Notification Center, where users could tweet without going into the app. This saved resources.[30]

The Share Sheet interface was updated to display a grid of icons, as opposed to a list, of different apps to which users could share content.[31]

App features

Maps

A new Apple Maps app replaced Google Maps as the default mapping app on the operating system. Apple Maps used Apple's vector-based engine, making for smoother zooming. New to Maps was turn-by-turn navigation with spoken directions and 3D views in certain countries, "Flyover" views in some major cities, and real-time traffic.[23]

At launch, turn-by-turn navigation was only available for iPhone 4S and later, and iPad 2 (cellular capability required) and later, while "Flyover" view was only available for iPhone 4S and later, fifth-generation iPod Touch, and iPad 2 and later.[25]

Passbook

A new Passbook app was added, to retrieve documents such as boarding passes, admission tickets, coupons and loyalty cards.[23][32][33]

An iOS device with Passbook can replace a physical card when scanned to process a mobile payment at participating locations. The app has context-aware features such as notifications for relevant coupons when in the immediate vicinity of a given store, and automatic visibility of boarding passes when the user is at an airport, with notifications for gate changes.[23]

Photos and Camera

The Camera app was updated to include a new Panorama mode that allowed users to take 240-degree panoramic photos.[34][35]

The Photos app received updates to the Photo Stream functionality, letting users remove images, as well as share custom Photo Streams with other people or the public.[23][27]

App Store

The App Store on iOS 6 had a brand new user interface that removed the "Categories" tab and replaced it with "Genius", Apple's search and recommendation engine. It also made use of cards rather than lists to present apps. There were also tweaks to the App Store's search algorithm, resulting in a "trend to favor newer companies", which sparked both developer concerns and praise.[36][37]

The App Store also updated apps without requiring the iTunes password, and when installing or updating an app, users were no longer automatically returned to the home screen.[38]

Phone

Upon receiving calls, iOS 6 enabled users to swipe up the lock screen to reveal "Reply with message" or "Remind me later". The "Reply with message" feature shows several pre-determined messages with an option for a custom message, while the "Remind me later" feature offers several options (such as an hour later, when the user gets home, or when the user leaves the current location) to enable a reminder.[39]

Podcasts

Podcast functionality was separated from the iTunes app and received its own Podcasts app in iOS 6, in order to "centralize and promote podcast listening and downloading for users".[40][41]

Safari

The Safari web browser was updated with a full-screen landscape view for iPhone and iPod Touch users.[42]

Reading List, a feature introduced in iOS 5, received offline support, in which text, images, and layout from saved articles get stored on the user's device.[43]

FaceTime

FaceTime video calling was updated to work over a cellular connection, in addition to Wi-Fi.[44]

Clock

The Clock app, which had been on iPhone and iPod Touch since their original release, became available on iPad.[45] The clock design looked similar to a Swiss railway clock, and Apple formed an agreement with the Swiss Federal Railways to license the design for its own use.[46]

Removed functionality

The YouTube app, which had been a default app on iOS developed by Apple, was removed.[47][48] Apple told *The Verge* that the reason for the removal was due to an expired license, but that YouTube users could still view videos through the Safari web browser. The company also confirmed that Google, which owns YouTube, was developing its own app, with a then-upcoming release through App Store.[49] The Apple-developed YouTube app remained on iOS 5 and previous iOS versions.[50] In June 2017, former YouTube employee Hunter Walk tweeted that Apple contacted YouTube to make it a default app on the original iPhone to ensure mass market mobile launch for the video-sharing service, but required handling development efforts itself. In 2012, YouTube made the "gutsy move" to discontinue the license in an effort to "take back control of our app" by developing it themselves.[51][52]

Reception

The reception of iOS 6 was positive. Dan Seifert of *The Verge* wrote that "iOS 6 looks nearly identical to iOS 5. There are a few subtle tweaks here and there [...] But for every small change to the look of iOS details, there are ten things that remain the same." While praising the iPhone 4S for being a "snappy performer", he noted that "When it comes to speed, iOS 6 doesn't feel terribly different from iOS 5".[53] Craig Grannell of *TechRadar* wrote that "iOS 6 is rather like the iPhone 5 or OS X Mountain Lion - the refinement of something that already works extremely well. Apple isn't overhauling things for the sake of it but, in the main, making the iOS experience gradually better. That in itself is something other companies would do well to emulate."[27] Jason Parker of *CNET* wrote that "iOS 6 is a welcome upgrade for any iOS user, but it's not going to completely change the way you use your device. Instead, each of the tweaks here will make many daily smartphone actions easier across the board and offer some relief to those waiting for certain features (sending images from e-mail and call controls, for example)."[54]

Problems

Maps app launch

In iOS 6, Apple replaced Google Maps with its own Apple Maps as the default mapping service for the operating system, and immediately faced criticism for inaccurate or incomplete data, including a museum in a river, missing towns, satellite images obscured by clouds, missing local places, and more.[55][56][57]

Apple CEO Tim Cook issued a letter on Apple's website apologizing for the "frustration caused by the Maps application",[58] and recommended downloading alternative map apps from the App Store.[59][60] Scott Forstall, the then-VP of iOS software engineering, was involuntarily dismissed from his role at Apple in October 2012 after he "refused to sign his name to a letter apologizing for shortcomings in Apple's new mapping service".[61]

Advertising Identifier privacy skepticism

In September 2012, Sarah Downey, a "privacy expert" with the software company Abine expressed her concern that in spite of the new "Advertising Identifier", Apple didn't disclose details on what the identifier was actually based on. She stated: "I need them to tell me why it's not identifying because as we've seen from a lot other "non-identifying" pieces of data, they can identify you quite easily", and that "If you're using the opt-out, [Apple] may no longer gather information to serve you targeted ads. To me, that says they may still collect your information to do things other than serve you targeted ads, like build databases about you to send you marketing or to sell to third parties".[29]

Abnormal data usage

Many users reported a higher-than-normal data usage after upgrading to iOS 6, causing some to be heavily billed for data largely exceeding their data plan. Steve Rosenbaum of *The Huffington Post* wrote that "The bug is the result of an iOS 6 problem that connects the phone to the cellular data network whenever the phone is connected to a WiFi signal", and also stated that Apple had released a patch.[62][63]

FaceTime certificate expiration

In April 2014, users who were still running iOS 6 could not connect to FaceTime due to the expiration of a certificate. Apple released a support document explaining the problem, adding that devices capable of upgrading to iOS 7 must do so to fix the issue, while devices stuck on iOS 6 would receive an iOS 6.1.6 update.[64]

Supported devices

With this release, Apple dropped support for older devices, specifically the third-generation iPod Touch and the first-generation iPad.[65]

iPhone

- iPhone 3GS

iPod Touch

iPad

- iPad 2

- iPhone 4
- iPhone 4S
- iPhone 5

- iPod Touch (4th generation)
- iPod Touch (5th generation)

- iPad (3rd generation)
- iPad (4th generation)
- iPad Mini (1st generation)

References

1. Souppouris, Aaron (September 10, 2013). "iOS 7 will come to iPhones and iPads on September 18th" (https://www.theverge.com/2013/9/10/4715240/ios-7-release-date). *The Verge*. Vox Media. Retrieved December 30, 2016.
2. Geller, Jonathan S. (June 11, 2012). "iOS 6 announced for iPhone, iPad, iPod touch at WWDC 2012" (http://bgr.com/2012/06/11/ios-6-announced-iphone-ipad-ipod-touch-wwdc/). *BGR*. Penske Media Corporation. Retrieved December 30, 2016.
3. Tam, Donna (September 12, 2012). "Apple's iOS 6 release date: Start your downloads on Sept. 19" (https://www.cnet.com/news/apples-ios-6-release-date-start-your-downloads-on-sept-19/). *CNET*. CBS Interactive. Retrieved December 30, 2016.
4. "iOS 6 Software Update" (https://support.apple.com/kb/DL1578?viewlocale=en_US&locale=en_US). Apple Inc. September 19, 2012. Retrieved December 30, 2016.
5. O'Grady, Jason D. (November 2, 2012). "Apple releases iOS 6.0.1 OTA with fixes for WPA2 and Exchange" (https://www.zdnet.com/article/apple-releases-ios-6-0-1-ota-with-fixes-for-wpa2-and-exchange/). *ZDNet*. CBS Interactive. Retrieved December 30, 2016.
6. "iOS 6.0.1 Software Update" (https://support.apple.com/kb/DL1606?viewlocale=en_US&locale=en_US). Apple Inc. November 1, 2012. Retrieved December 30, 2016.
7. Lowensohn, Josh (December 18, 2012). "Apple releases iOS 6.0.2 to fix Wi-Fi issue" (https://www.cnet.com/news/apple-releases-ios-6-0-2-to-fix-wi-fi-issue/). *CNET*. CBS Interactive. Retrieved December 30, 2016.
8. "iOS 6.0.2 Software Update" (https://support.apple.com/kb/DL1621?viewlocale=en_US&locale=en_US). Apple Inc. December 18, 2012. Retrieved December 30, 2016.
9. Moren, Dan (January 28, 2013). "Apple releases iOS 6.1 update" (http://www.macworld.com/article/2026542/apple-releases-ios-6-1-update.html). *Macworld*. International Data Group. Retrieved December 30, 2016.
10. "iOS 6.1 Software Update" (https://support.apple.com/kb/DL1624?viewlocale=en_US&locale=en_US). Apple Inc. January 28, 2013. Retrieved December 30, 2016.
11. Heath, Alex (February 11, 2013). "Apple Releases iOS 6.1.1 For iPhone 4S To Squash Bugs" (http://www.cultofmac.com/215340/apple-releases-ios-6-1-1-for-iphone-4s/). *Cult of Mac*. Retrieved December 30, 2016.
12. "iOS 6.1.1 Software Update" (https://support.apple.com/kb/DL1631?viewlocale=en_US&locale=en_US). Apple Inc. February 11, 2013. Retrieved December 30, 2016.
13. Whittaker, Zack (February 19, 2013). "Apple releases iOS 6.1.2; fixes Exchange bug, lock screen bug still open" (https://www.zdnet.com/article/apple-releases-ios-6-1-2-fixes-exchange-bug-lock-screen-bug-still-open/). *ZDNet*. CBS Interactive. Retrieved December 30, 2016.
14. "iOS 6.1.2 Software Update" (https://support.apple.com/kb/DL1639?viewlocale=en_US&locale=en_US). Apple Inc. February 19, 2013. Retrieved December 30, 2016.
15. "iOS 6.1.3 Released with Minor Fixes & Improvements [Download Links]" (http://osxdaily.com/2013/03/19/ios-6-1-3-released-with-minor-fixes-improvements/). *OS X Daily*. March 19, 2013. Retrieved December 30, 2016.
16. "iOS 6.1.3 Software Update" (https://support.apple.com/kb/DL1646?locale=en_US). Apple Inc. March 19, 2013. Retrieved December 30, 2016.

17. Beasley, Mike (May 2, 2013). "Apple releases iOS 6.1.4 for iPhone 5 with updated speakerphone profile" (https://9to5mac.com/2013/05/02/apple-releases-ios-6-1-4-for-iphone-5-with-the-most-boring-changes-ever/). *9to5Mac*. Retrieved December 30, 2016.
18. "iOS 6.1.4 Software Update" (https://support.apple.com/kb/DL1652?viewlocale=en_US&locale=en_US). Apple Inc. May 2, 2013. Retrieved December 30, 2016.
19. Gurman, Mark (November 14, 2013). "Apple releases iOS 7.0.4 & iOS 6.1.5 with FaceTime bug fix" (https://9to5mac.com/2013/11/14/apple-releases-ios-7-0-4-with-bug-fixes-improvements-facetime-fix/). *9to5Mac*. Retrieved December 30, 2016.
20. "iOS 6.1.5" (https://support.apple.com/kb/DL1702?viewlocale=en_US&locale=en_US). Apple Inc. November 14, 2013. Retrieved December 30, 2016.
21. Kahn, Jordan (February 21, 2014). "Apple releases iOS 7.0.6, iOS 6.1.6, & Apple TV 6.0.2 with fixes" (https://9to5mac.com/2014/02/21/apple-releases-ios-7-0-6-ios-6-1-6-with-fixes/). *9to5Mac*. Retrieved December 30, 2016.
22. "iOS 6.1.6" (https://support.apple.com/kb/DL1722?viewlocale=en_US&locale=en_US). Apple Inc. February 21, 2014. Retrieved December 30, 2016.
23. Peckham, Matt (September 12, 2012). "Apple iOS 6 Here Next Week, iTunes Update Today, New iTunes in October" (http://techland.time.com/2012/09/12/apple-unveils-ios-6-icloud-enabled-itunes-but-youll-have-to-wait-a-little-longer/). *Time*. Time Inc. Retrieved February 2, 2017.
24. Kahn, Jordan (June 11, 2012). "Apple demos new Siri features in iOS 6: app launching, more languages, and car integration" (https://9to5mac.com/2012/06/11/apple-demos-new-features-of-siri-in-ios-6-launching-apps-sports-scores-yelp-opentable-rottentomatoes/). *9to5Mac*. Retrieved February 2, 2017.
25. "iOS 6" (https://web.archive.org/web/20121001150808/http://www.apple.com/ios/whats-new/). Apple Inc. Archived from the original (https://www.apple.com/ios/whats-new/) on October 1, 2012. Retrieved February 2, 2017.
26. Cipriani, Jason (September 19, 2012). "Understanding Facebook integration on iOS 6" (https://www.cnet.com/how-to/understanding-facebook-integration-on-ios-6/). *CNET*. CBS Interactive. Retrieved February 2, 2017.
27. Grannell, Craig (May 17, 2013). "iOS 6 review" (http://www.techradar.com/reviews/pc-mac/software/operating-systems/ios-6-1096515/review). *TechRadar*. Future plc. Retrieved February 2, 2017.
28. Sorrel, Charlie (June 12, 2012). "New iOS 6 Privacy Settings Limit Access To Photos, Contact, Calendars And More" (http://www.cultofmac.com/173128/new-ios-6-privacy-settings-limit-access-to-photos-contact-calendars-and-more/). *Cult of Mac*. Retrieved February 2, 2017.
29. Rosenblatt, Seth (September 14, 2012). "Ad tracking 'blocker' comes to iOS 6" (https://www.cnet.com/news/ad-tracking-blocker-comes-to-ios-6/). *CNET*. CBS Interactive. Retrieved February 2, 2017.
30. Ritchie, Rene (September 18, 2013). "What happened to the quick Tweet and Facebook post buttons on Control Center in iOS 7?" (http://www.imore.com/what-happened-quick-tweet-and-facebook-post-buttons-control-center-ios-7). *iMore*. Retrieved February 2, 2017.
31. Ritchie, Rene (September 19, 2012). "iOS 6 review" (http://www.imore.com/ios-6-review). *iMore*. Retrieved February 3, 2017.
32. Mills, Elinor (June 11, 2012). "Apple demos Passbook, a ticket, coupon organizer for iOS 6" (https://www.cnet.com/news/apple-demos-passbook-a-ticket-coupon-organizer-for-ios-6/). *CNET*. CBS Interactive. Retrieved February 2, 2017.
33. Cipriani, Jason (September 20, 2012). "Getting started with Passbook on iOS 6" (https://www.cnet.com/how-to/getting-started-with-passbook-on-ios-6/). *CNET*. CBS Interactive. Retrieved February 2, 2017.
34. Cipriani, Jason (September 19, 2012). "How to take a panoramic photo with iOS 6" (https://www.cnet.com/how-to/how-to-take-a-panoramic-photo-with-ios-6/). *CNET*. CBS Interactive. Retrieved February 3, 2017.

35. Dilger, Daniel Eran (September 17, 2012). "Apple's new iOS 6 Camera app makes Panorama capture easy" (http://appleinsider.com/articles/12/09/17/apples_new_ios_6_camera_app_makes_panorama_capture_easy). *AppleInsider*. Retrieved February 3, 2017.

36. Perez, Sarah (September 29, 2012). "Five Big Changes In The iOS 6 App Store (And What Developers Should Do)" (https://techcrunch.com/2012/09/29/five-big-changes-in-the-ios-6-app-store-and-what-developers-should-do/). *TechCrunch*. AOL. Retrieved February 3, 2017.

37. Perez, Sarah (September 12, 2012). "With New iOS 6 App Store, The Most Important Changes Are Under The Hood" (https://techcrunch.com/2012/09/12/with-new-ios-6-app-store-the-most-important-changes-are-under-the-hood/). *TechCrunch*. AOL. Retrieved February 3, 2017.

38. Foresman, Chris (September 20, 2012). "App Store gets an organizational boost in iOS 6" (https://arstechnica.com/apple/2012/09/app-store-gets-an-organizational-boost-in-ios-6/). *Ars Technica*. Condé Nast. Retrieved February 3, 2017.

39. "iOS 6 Brings Useful Call Management Features to Phone App" (http://www.iphonehacks.com/2012/06/ios-6-brings-useful-call-management-features-to-phone-app.html). *iPhoneHacks.com*. June 12, 2012. Retrieved February 3, 2017.

40. Panzarino, Matthew (June 26, 2012). "Apple ships new standalone Podcasts app for iOS to centralize downloading and listening" (https://thenextweb.com/apple/2012/06/26/apple-ships-new-standalone-podcasts-app-for-iphone-and-ipad-to-centralize-downloading-and-listening/). *The Next Web*. Retrieved February 3, 2017.

41. "Apple planning to launch standalone podcast app in iOS 6" (http://appleinsider.com/articles/12/06/15/apple_planning_to_launch_standalone_podcast_app_in_ios_6). *AppleInsider*. June 15, 2012. Retrieved February 3, 2017.

42. Cipriani, Jason (September 20, 2012). "How to use Safari's full-screen mode on iOS 6" (https://www.cnet.com/how-to/how-to-use-safaris-full-screen-mode-on-ios-6/). *CNET*. CBS Interactive. Retrieved February 3, 2017.

43. Frakes, Dan (September 20, 2012). "Hands on with iOS 6: Safari" (http://www.macworld.com/article/1168499/hands-on-with-ios-6-safari.html). *Macworld*. International Data Group. Retrieved May 5, 2017.

44. Rawson, Chris (September 19, 2012). "iOS 6: FaceTime over cellular" (https://www.engadget.com/2012/09/19/ios-6-facetime-over-cellular/). *Engadget*. AOL. Retrieved February 3, 2017.

45. Rawson, Chris (September 19, 2012). "iOS 6: The iPad Clock app" (https://www.engadget.com/2012/09/19/ios-6-the-ipad-clock-app/). *Engadget*. AOL. Retrieved February 3, 2017.

46. Fingas, Jon (October 12, 2012). "Apple agrees to license for Swiss railway clock in iOS 6, knows what time it is" (https://www.engadget.com/2012/10/12/apple-licenses-swiss-railway-clock-knows-what-time-it-is/). *Engadget*. AOL. Retrieved February 3, 2017.

47. Gurman, Mark (August 6, 2012). "War? YouTube app disappears from iOS 6 beta 4 as Apple breaks Google ties" (https://9to5mac.com/2012/08/06/war-youtube-app-disappears-from-ios-6-beta-4/). *9to5Mac*. Retrieved July 15, 2017.

48. Yarow, Jay (August 6, 2012). "Apple Is Taking The YouTube App Off The iPhone" (http://www.businessinsider.com/youtube-iphone-2012-8). *Business Insider*. Axel Springer SE. Retrieved July 15, 2017.

49. Ingraham, Nathan (August 6, 2012). "Apple: YouTube app will not be included in iOS 6, Google working on standalone version" (https://www.theverge.com/2012/8/6/3223775/apple-youtube-ios6). *The Verge*. Vox Media. Retrieved July 15, 2017.

50. Murph, Darren (August 6, 2012). "YouTube app removed from iOS 6 but not iOS 5 and older; Google working on a standalone version" (https://www.engadget.com/2012/08/06/youtube-app-removed-from-ios-6-ios-5-confirmation-official/). *Engadget*. AOL. Retrieved July 15, 2017.

51. Leswing, Kif (June 30, 2017). "Google is the reason YouTube isn't a default app on the iPhone anymore" (http://www.businessinsider.com/google-is-why-youtube-isnt-default-app-on-iphone-anymore-2017-6). *Business Insider*. Axel Springer SE. Retrieved July 15, 2017.

52. Broussard, Mitchel (June 30, 2017). "Removal of Built-in YouTube App in iOS 6 Was YouTube's Decision to 'Take Back Control of Our App' " (https://www.macrumors.com/2017/06/3 0/youtube-app-take-back-control/). *MacRumors*. Retrieved July 15, 2017.

53. Seifert, Dan (September 21, 2012). "iOS 6 review" (https://www.theverge.com/2012/9/21/33630 60/ios-6-review). *The Verge*. Vox Media. Retrieved February 3, 2017.

54. Parker, Jason (November 12, 2012). "iOS 6 review" (https://www.cnet.com/products/apple-ios-6/review/). *CNET*. CBS Interactive. Retrieved February 3, 2017.

55. "New Apple maps app under fire from users" (https://www.bbc.com/news/technology-1965973 6). BBC News. September 20, 2012. Retrieved February 3, 2017.

56. Patel, Nilay (September 20, 2012). "Wrong turn: Apple's buggy iOS 6 maps lead to widespread complaints" (https://www.theverge.com/2012/9/20/3363914/wrong-turn-apple-ios-6-maps-phon e-5-buggy-complaints). *The Verge*. Vox Media. Retrieved February 3, 2017.

57. Crook, Jordan (September 26, 2012). "The Apple iOS 6 Maps Fiasco Explained In 3 Minutes" (https://techcrunch.com/2012/09/26/the-apple-ios-6-maps-fiasco-clarified-in-3-minutes/). *TechCrunch*. AOL. Retrieved February 3, 2017.

58. "Apple - A Letter from Tim Cook on Maps" (https://lingualeo.com/es/jungle/apple-a-letter-from-ti m-cook-on-maps-158069). *lingualeo.com*. Retrieved July 27, 2020.

59. Ingraham, Nathan (September 28, 2012). "Tim Cook admits Apple 'fell short' on iOS 6 Maps, suggests third-party alternatives" (https://www.theverge.com/2012/9/28/3422492/apple-ceo-tim-cook-maps-open-letter). *The Verge*. Vox Media. Retrieved February 3, 2017.

60. Crook, Jordan (September 28, 2012). "Tim Cook Apologizes For Apple Maps, Points To Competitive Alternatives" (https://techcrunch.com/2012/09/28/tim-cook-apologizes-for-apple-m aps-points-to-competitive-alternatives/). *TechCrunch*. AOL. Retrieved February 3, 2017.

61. Lessin, Jessica (October 29, 2012). "An Apple Exit Over Maps" (https://www.wsj.com/articles/S B10001424052970204840504578087192497916304). *The Wall Street Journal*. News Corp. Retrieved February 3, 2017. (subscription required)

62. Rosenbaum, Steve (October 13, 2012). "ATT iPhone Customers Hit With Massive Data 'Sipping' Bug" (http://www.huffingtonpost.com/steve-rosenbaum/att-iphone-customers-hit_b_19 63505.html). *The Huffington Post*. AOL. Retrieved February 3, 2017.

63. Arthur, Charles (October 18, 2012). "iPhone 5 and iOS 6 users claim 'data use and bills rocket' " (https://www.theguardian.com/technology/2012/oct/17/iphone-5-iphone). *The Guardian*. Guardian Media Group. Retrieved February 3, 2017.

64. Clover, Juli (April 24, 2014). "iOS 6 Users on Devices Able to Run iOS 7 Must Upgrade to Fix FaceTime" (https://www.macrumors.com/2014/04/24/ios-6-facetime-fix/). *MacRumors*. Retrieved February 3, 2017.

65. "iOS 6 Software Update" (https://support.apple.com/kb/DL1578?locale=en_US). Apple Inc. September 19, 2012. Retrieved February 3, 2017.

External links

- "iOS 6" (https://web.archive.org/web/20130904020030/http://www.apple.com/ios/). Archived from the original on September 4, 2013. Retrieved September 19, 2012.