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How can financial brands set themselves apart through visual storytelling? Our ex					
themselves apart through visual storytelling? Our experts explain how.Learn More storytelling? Our experts explain how.Learn MoreThe Motorsport Images Collecti have enough information to reset your password. For security reasons, it might to only as a last resort when you can't sign in or reset your Apple Account password you can reset your password using the Apple Support app on a family member's il device. If you don't know your password and can't verify your account information account recovery period.Regardless of how you started the account recovery required.	ions captures events from 1895 to today's most recent coverage.Dake several days or longer before you can use your account again. I any other way. If you don't know which email address or phone not include the phone or iPad. You can also visit an Apple Store and ask to use a continuous the option to start account recovery. You can also uest, you should turn off all other devices that are currently signed	We know this delay is inconvenient, but it's impor- tumber you use with Apple Account, try different e- device on site. If you set up an account recovery con- start account recovery from iforgot. apple. com thre- d in with your Apple Account until account recovery	orth your time. Explore our latest gallery of Editors' Picks.Brow tant so that we can keep your account and information safe. Be mail addresses or phone numbers. You can sign in and reset you ntact, they can also help you reset your password. The quickest rough your device's browser. If you started your account recovery is complete. If your Apple Account is in use during your requests.	se Editors' Favorites Account recovery is a process designer fore you start the account recovery waiting period, try to rear password with any email addresses or phone numbers of and easiest way to start account recovery is right on your ry in Settings, System Settings, or the Apple Support app, est, your account recovery will be cancelled automatically.	ed to get you back into your Apple Account when you don't eset your password on a trusted device. Use account recovery in file in your Apple Account. If you don't have a trusted device, device. In Settings or System Settings, try to sign in on your you can continue to use that specific device during the f you started your account recovery request with
iforgot.apple.com through your device's browser, you should avoid using that dev be several days or more before you can reset your password. Contacting Apple Su apple.com/recover. Follow the instructions to regain access to your Apple Account this option, an authorization request goes to the card issuer.* At any time, you can automatically and you can use your Apple Account immediately. To cancel a recover issuer might have declined your authorization attempts. Published Date: April 17, you don't have a trusted device is another way to regain access to your account.	upport can't help you shorten this time. When the waiting period in the interior in the cases, you might be able to shorten the account recover in see how long it will be until your account is ready for recovery, very request that you did not make, follow the instructions in your, 2025 The easiest way to reset your password is with your iPhone	s over, Apple will send you a text or automated phory process or reset your password immediately by or when more information will be available. Just go email confirmation. * For the purposes of validation or other trusted Apple device — one that's already	one call with instructions to regain access to your account. If you verifying a six-digit code sent to your primary email address. You to iforgot.apple.com and enter your Apple Account email address, Apple Pay doesn't work as a credit card validation. If you entry signed in to your Apple Account, so that Apple knows that it's	ou don't receive the text or call, once the period specified in ou might also be able to shorten the wait time by providing ess or phone number. If you remember your information are ryour credit-card details correctly, and are asked to reex yours. You also need a passcode (or password on Mac) set	the original email is over, you can still go directly to credit-card details to confirm your identity. If you're given d can sign in successfully, your wait period cancels atter your security information, contact your card issuer. The up on that device. Resetting your password on the web when
name] > Sign-In & Security > Change Password.Follow the onscreen instructions Settings > Apple Account. Tap "Sign in manually", and then tap "Forgot password family member, or use one at an Apple Store. Open the Apple Support app on the your password. Any information that you enter will not be stored on the device. You access to one of your trusted devices soon, it may be faster and easier to reset you any purpose, even commercially. The licensor cannot revoke these freedoms as lo transform, or build upon the material, you must distribute your contributions under	d?" and follow the onscreen instructions.Mac: Choose Apple menus borrowed Apple device. If you need to download the Apple Suppo ou can also regain access to your account by resetting your password at that time. Reset your password at iforgot.apple.coong as you follow the license terms. Attribution — You must give a	System Settings. Click Sign in, then click "For app, find it in the App Store.Scroll down to Suppord on the web. When possible, the web browser of Published Date: April 08, 2025 Helpful? Thanks appropriate credit, provide a link to the license, an	got password" and follow the onscreen instructions. If you don't port Tools, then tap Reset Password. Tap "Help Someone Else". I will redirect you to a trusted device instead. If you don't have a for your feedback. Share — copy and redistribute the material id indicate if changes were made. You may do so in any reasonal	t have an Apple device but have access to your trusted pho Enter your Apple Account email address or phone number.' trusted device, you can still reset your password on the we in any medium or format for any purpose, even commercial able manner, but not in any way that suggests the licensor	ne number, you can borrow an Apple device from a friend or Tap Continue, and follow the onscreen instructions to reset b—but the process may take a little longer. If you'll have ly. Adapt—remix, transform, and build upon the material for endorses you or your use. ShareAlike—If you remix,
use is permitted by an applicable exception or limitation. No warranties are given Innovation Beautiful and durable, by design. Customize Your iPhone Make it you. Choose your iPhone type Mac or Windows PC Cable that could charge your phone your iPhone. Press and hold both the side button and the Volume down button unquickly hold the side button. Do not release it. Continue to hold the side button what or Windows PC. Next, connect the cable to your iPhone and quickly hold the Do not release it. Continue to hold the button while the Apple logo appears. Do no	n. The license may not give you all of the permissions necessary for Through and through. Peace of Mind Helpful features. On and office Internet connection Up to 60 minutes If you don't have a computable the power off slider appears. Drag the slider to power off your inhile the Apple logo appears. Do not release the side button until as side button. Do not release it. Continue to hold the button while the	or your intended use. For example, other rights such the grid. If your iPhone uses iOS 15.2 or later, rester and you can't borrow one, you need to go to an Phone. Press and hold either the top button or the inimage of a computer and a cable appears. If your need hold of a popular in the such that is a pop	ch as publicity, privacy, or moral rights may limit how you use to set your passcode on your device without the need for a comput Apple Store or Apple Authorized Service Provider for help. To a side button until the power off slider appears. Drag the slider to riPhone buttons don't respond and you can't get to the image of the ton until an image of a computer and a cable appears. Connect to the image of the computer and a cable appears.	the material. Apple Intelligence AI-opening possibilities. Cuter. If your iPhone uses an earlier version of iOS, select you access your iPhone after you forget your passcode, you must power off your iPhone. Connect the cable to your Mac or Variation and a cable on the recovery mode screen, you the cable to your Mac or Windows PC. Next, connect the cable to your Mac or Windows PC. Next, connect the cable to your Mac or Windows PC.	ting-Edge Cameras Picture your best photos and videos. It iPhone type: iPhone with Face ID iPhone with Home Button it reset your device. This process erases the data currently on Windows PC. Next, connect the cable to your iPhone and might need service. Get serviceConnect the cable to your ble to your iPhone and quickly hold the Volume down button.
an image of a computer and a cable appears. If your iPhone buttons don't respond Restore or Update. You might need to update your iPhone before you can finish re select General. If you have a backup, select Restore Backup and follow the onscreprocess finishes, the Hello screen will appear on your iPhone. Disconnect your phabout your situation. If you've forgotten your iPhone passcode, you can't directly the top of the screen. 4. Select the device that you want to remove the passcode iforgot.apple.com.Please remember that erasing your device will delete all of your	estoring it, and this download can take more than 15 minutes to come instructions. If you don't have a backup, select Restore [device none from the computer and set up and use your iPhone. Published change it through iCloud. However, you can use iCloud to erase yourn. 5. Click "Erase [device]." This will erase your device and its or data and settings. Also, in order to erase your iPhone, it needs to	emplete. If your device restarts during this process end follow the onscreen instructions. If the down I Date: May 15, 2025 iPhone I forgot my passcode our device, which removes the passcode. Note that passcode. 6. Once the device has been erased, you be online. If it isn't, the erase begins the next time.	this will also erase all data from your device. Here's how your device it from your most recent backup during the setup are your device is online. If none of these steps work, you may need to the foundation of these steps work, you may need to the foundation of these steps work, you may need to the foundation of these steps work, you may need to the foundation of these steps work, you may need to the foundation of these steps work, you may need to the foundation of the setup of of t	le Devices and select your iPhone in the sidebar. Select Truvery mode screen, let the download finish, then turn off you de in icloud? iPhone 6s, iOS 10 Posted on Jun 10, 2023 9:49 to it: 1. From another device, go to icloud.com/find. 2. If proprocess. If you don't remember your Apple ID password, you do to reach out to Apple Support for further assistance. Page	ast [your device] on your Windows PC if necessary. Then, our iPhone and start recovery mode again. Once the restore PM Reply Posted on Jun 11, 2023 3:01 AM I'm sorry to hear compted, sign in with your Apple ID. 3. Click "All Devices" at a'll need to reset that first by going to ge content loaded Jun 11, 2023 3:01 AM in response to
Yenny24 I'm sorry to hear about your situation. If you've forgotten your iPhone page 3. Click "All Devices" at the top of the screen. 4. Select the device that you want to iforgot.apple.com.Please remember that erasing your device will delete all of your you are referring to the passcode that is used to get to the Home Screen of your if the data on your iPhone will be erased.Hopefully, you have a backup created on it published by Apple How to remove your iPhone passcode without a computerAxe your iPhone to unlock it and get to the home screen? I am assuming that the iPhone	asscode, you can't directly change it through iCloud. However, yo to remove the passcode from. 5. Click "Erase [device]." This will er data and settings. Also, in order to erase your iPhone, it needs to iPhone. I also understand that your iPhone has been disabled. You iCloud and/or on a computer. If you do then, you can Restore you el F. This thread has been closed by the system or the community	u can use iCloud to erase your device, which removed your device and its passcode. 6. Once the devote be online. If it isn't, the erase begins the next time will have to reset the passcode to your iPhone by a iPhone from the backup file once your passcode team. You may vote for any posts you find helpful,	ves the passcode. Note that this will also erase all data from your can be not been erased, you can restore it from your most recent has your device is online. If none of these steps work, you may need following the instructions in this guide published by Apple If you has been reset and the iPhone has been returned to factory sett or search the Community for additional answers. How to change	ar device. Here's how you do it: 1. From another device, go tackup during the setup process. If you don't remember you ded to reach out to Apple Support for further assistance. Jurou forgot the passcode or if your iPhone has been disabled ings by the procedure in the link above. If your iPhone or if it iphone passcode in icloud? Page content loaded Apr 26, 25.	to icloud.com/find. 2. If prompted, sign in with your Apple ID. r Apple ID password, you'll need to reset that first by going to 10, 2023 10:26 PM in response to Yenny24 I understand that You will need a computer to execute this procedure and all ad has iOS 15.2 or higher installed, then review this guide 2020 6:29 PM in response to prentiss83 If this the passcode to
Restore Your iPhone from that backup file. If you do not have a backup file create smartphones by Apple Inc. For other uses, see iPhone (disambiguation). iPhoneFr systemiOSStorage64, 128, 256, 512 GB or 1 TB[note 1] flash memory (current moone iCloud Apple Pay Related iPad Comparison of iPhone models Websiteapple.co Pro Max 16 / 16 Plus 16 Pro / 16 Pro Max 16e SE 1st 2nd 3rd List of iPhone mode that year. Since then, Apple has annually released new iPhone models and iOS very phones in 2023. The original iPhone was the first mobile phone to use multi-touch	ront face of the latest flagship model, the iPhone 16 Pro, in Desert odels)Sound Bluetooth Stereo speaker (iPhone 7 and up) Micropho om/iphone This article is part of a series on theiPhone 1st generatels Telephones portal The iPhone is a line of smartphones developed ersions; the most recent models being the iPhone 16 and 16 Plus, a	TitaniumDeveloperAppleManufacturerContract mone 3.5 mm headphone jack (until iPhone 7) 30-pin ion 3G 3GS 4 4s 5 5c 5s 6 / 6 Plus 6s / 6s Plus 7 / 7 and and marketed by Apple that run iOS, the comparationgside the higher-end iPhone 16 Pro and 16 Pro	nanufacturers: FoxconnPegatronWistronTata GroupTypeSmartp dock connector (until iPhone 5) Lightning port (iPhone 5 - iPho 7 Plus 8 / 8 Plus X XR XS / XS Max 11 11 Pro / 11 Pro Max 12 / 1 ny's own mobile operating system. The first-generation iPhone Max, and the lower-end iPhone 16e (which replaces the iPhone	honeRelease dateJune 29, 2007; 17 years ago (2007-06-29) one 14) USB-C port (iPhone 15 and up) PowerBuilt-in recha. 2 Mini 12 Pro / 12 Pro Max 13 / 13 Mini 13 Pro / 13 Pro Max announced by then-Apple CEO and co-founder Steve Je SE). As of January 1, 2024, more than 2.3 billion iPhones	Units sold2.3 billion (as of January 1, 2024[update])Operating rgeable lithium-ion batteryOnline services App Store Apple ax 14 / 14 Plus 14 Pro / 14 Pro Max 15 / 15 Plus 15 Pro / 15 bbs on January 9, 2007, at Macworld 2007, and launched later have been sold, making Apple the largest vendor of mobile
ID fingerprint sensor. Since the iPhone X,[note 2] iPhone models have switched to in the world, alongside Android. The first-generation iPhone was described by Ste apps that come pre-installed on iOS, there are nearly 2 million apps available for software engineer Scott Forstall, and design officer Jony Ive,[1] to work on the high an estimated development cost of US\$150 million over thirty months.[5] According collaboration with Motorola. Among other deficiencies, the ROKR E1's firmware leavenange for four years of exclusive U.S. sales, until 2011.[13] Jobs unveiled the first sales.	eve Jobs as a "revolution" for the mobile phone industry. The iPhotodownload from Apple's mobile distribution marketplace, the Appleghly confidential "Project Purple".[2][3] Then Apple CEO Steve Jong to Jobs in 1998, the "i" word in "iMac" (and thereafter "iPod", "illimited storage to only 100 iTunes songs to avoid competing with a first-generation iPhone to the public on January 9, 2007, at the Ma	ne has been credited with popularizing the slate so Store, as of August 2024[update]. Main article: His bs steered the original focus away from a tablet (w Phone" and "iPad") stands for internet, individual, Apple's iPod nano.[8][9] Cingular gave Apple the li acworld 2007 convention at the Moscone Center in	nartphone form factor, and with creating a large market for small story of the iPhone Development of an Apple smartphone began which was later revisited in the form of the iPad) towards a phone instruct, inform, and inspire.[6][7] Apple rejected the "design be berty to develop the iPhone's hardware and software in-house, a San Francisco.[14] The iPhone incorporated a 3.5-inch multi-to-	artphone apps, or "app economy", laying the foundation for in 2004, when the company started to gather a team of 1,0 e.[4] Apple created the device during a secretive collaborary committee" approach that had yielded the Motorola ROK a rare practice at the time,[10][11] and paid Apple a fraction display with few hardware buttons, and ran the iPhon	the boom of the market for mobile devices. In addition to the 00 employees led by hardware engineer Tony Fadell, tion with Cingular Wireless (later renamed AT&T Mobility) at R E1, a largely unsuccessful "iTunes phone" made in on of its monthly service revenue (until the iPhone 3G),[12] in the OS operating system with a touch-friendly interface, then
marketed as a version of Mac OS X.[15] It was the first mobile phone to use multi- early purchasers of the Phone.[18] Worldwide iPhone availability: iPhone availab- countries and territories.[19][20] The iPhone 3G introduced faster 3G connectivity introduced video recording functionality.[23] The original iPhone on display under Apple A4 processor, being the first iPhone to use an Apple custom-designed chip. dropped/disconnected telephone calls when holding their phones in a certain way announced on October 4, 2011, and introduced the Siri virtual assistant, a dual-content.	ple since its original release iPhone available since the release of the starting price of US\$199 (with a two-year AT&T cover glass at the January 2007 Macworld showThe iPhone 4 was annual It introduced the Retina display, having four-times the display rest, and this issue was nicknamed "antennagate".[25] In January 2016 ore A5 processor, and an 8 megapixel camera with 1080p video rest.	the iPhone 3G On July 11, 2008, at Apple's Worldw ntract).[21] It proved commercially popular, overtage ounced on June 7, 2010, at WWDC 2010, and intro- solution of preceding iPhones, and was the highest 11, as Apple's exclusivity agreement with AT&T was according functionality. The iPhone 5 was announce	ride Developers Conference (WWDC) 2008, Apple announced the aking Motorola RAZR V3 as the best selling cell phone in the U. duced a redesigned body incorporating a stainless steel frame at resolution smartphone screen at release; [24] a front-facing case expiring, Verizon announced that they would be carrying the don September 12, 2012, and introduced a larger 4-inch screen	e iPhone 3G, and expanded its launch-day availability to tw S. by the end of 2008.[22] Its successor, the iPhone 3GS, wand a rear glass panel.[24] At release, the iPhone 4 was ma mera was also introduced, enabling video calling functional iPhone 4, with a model compatible with Verizon's CDMA not, up from the 3.5-inch screen of all previous iPhone model	enty-two countries, and it was eventually released in 70 as announced on June 8, 2009, at WWDC 2009, and rketed as the "world's thinnest smartphone";[24] it uses the ity via FaceTime. Users of the iPhone 4 reported etwork releasing on February 10.[26][27] The iPhone 4s was as well as faster 4G LTE connectivity.[28] It also introduced
a thinner and lighter body made of aluminum alloy, and the 30-pin dock connector becoming the first ever 64-bit smartphone;[29] it also introduced the Touch ID fin at 4.7-inch and 5.5-inch respectively; both models also introduced mobile paymen iPhone 6 and 6 Plus, particularly on the latter model, and this issue was nickname introduced on March 21, 2016, and was a low-cost device that incorporated newe 3.5 mm headphone jack was removed, and was followed by the introduction of the announced on September 12, 2017, in Apple's first event held at the Seve Jobs Tl	ngerprint authentication sensor.[30] The iPhone 5c was a lower-cont technology via Apple Pay.[32] Optical image stabilization was in ed "bendgate".[33] The iPhone 6s and 6s Plus were introduced on er hardware from the iPhone 6s, in the frame of the older iPhone 5e AirPods wireless earbuds.[37] Optical image stabilization was acheater in Apple Park. All models featured rear glass panel designs	est device that incorporated hardware from the iPh troduced to the 6 Plus' camera. The Apple Watch of September 9, 2015, and included a more bend-res s.[35] The iPhone 7 and 7 Plus were announced or ided to the 7's camera. A second telephoto camera stakin to the iPhone 4, wireless charging, and a hear	none 5, into a series of colorful plastic frames.[31] On September was also introduced on the same day, and is a smartwatch that distant frame made of a stronger aluminum alloy, as well as a high September 7, 2016, which introduced larger camera sensors, a lens was added on the 7 Plus, enabling two-times optical zoom was-core A11 Bionic chip with "Neural Engine" AI accelerator has	r 9, 2014, Apple introduced the iPhone 6 and iPhone 6 Plus operates in conjunction with a connected iPhone. Some uses the resolution 12 megapixel main camera capable of 4K vi IP67-certified water and dust resistance, and a quad-core A, and "Portrait" photography mode which simulates boken redware. The iPhone X additionally introduced a 5.8-inch OL	, and included significantly larger screens than the iPhone 5s, rs experienced bending issues from normal use with the deo recording.[34] The first-generation iPhone SE was 10 Fusion processor utilizing big.LITTLE technology;[36] the n photos.[38] The iPhone 8, 8 Plus, and iPhone X were ED "Super Retina" display with a "bezel-less" design, with a
higher pixel density and contrast ratio than previous iPhones with LCD displays, a system.[41] At its US\$999 starting price, the iPhone X was the most expensive iPh a larger 6.5-inch screen. The iPhone XR included a 6.1-inch LCD "Liquid Retina" on September 10, 2019. The iPhone 11 was the successor to the iPhone XR, while device that incorporated newer hardware from the iPhone 11, in the frame of the magnetic charging and accessory system; a slimmer flat-edged design was also in Pro and 12 Pro Max additionally added a Lidar sensor for better accuracy in augu	hone at launch.[42] Picture of the cameras on the iPhone 13 Pro T display, with a "bezel-less" design similar to the iPhone X, but doe to the iPhone 11 Pro and 11 Pro Max succeeded the iPhone XS and older iPhone 8, while retaining the home button and the Touch II attroduced, which combined with stronger glass-ceramic front glas amented reality (AR) applications. The iPhone 13, 13 Mini, 13 Pro,	The iPhone XR, iPhone XS, and XS Max were annous not include a second telephoto lens; it was made XS Max. All models gained an Ultra-Wide lens, end is sensor.[47] The iPhone 12, 12 Mini, 12 Pro, and is, added better drop protection compared to previous and 13 Pro Max were announced via a livestream	anced on September 12, 2018. All models featured the "Smart Havailable in a series of vibrant colors, akin to the iPhone 5c, an abling two-times optical zoom out, as well as larger batteries for 12 Pro Max were announced via a livestream event on October 12 ous iPhones. [48] [49] The iPhone 12 Mini introduced a smaller 5 event on September 14, 2021. All models featured larger came	IDR" computational photography system, and a significantled was a lower-cost device compared to the iPhone X and X r longer battery life. [45] [46] The second-generation iPhone 13, 2020. All models featured OLED "Super Retina XDR" discrete the screen, while the 12 Pro and 12 Pro Max had large rasensors, larger batteries for longer battery life, and a na	more powerful "Neural Engine".[43] The XS Max introduced 5.[44] The iPhone 11, 11 Pro, and 11 Pro Max were announced SE was introduced on April 17, 2020, and was a low-cost splays, introduced faster 5G connectivity, and the MagSafe screens of 6.1-inch and 6.7-inch respectively. The iPhone 12 rrower "notch" screen cutout.[50] The iPhone 13 Pro and 13
Pro Max additionally introduced smoother adaptive 120 Hz refresh rate "ProMotion SE. The iPhone 14, 14 Plus, 14 Pro, and 14 Pro Max were announced on September megapixel main camera, the first increase in megapixel count since the iPhone 6s devices, all models switch to using USB-C as their power connector to comply wit camera, slightly curved edges, and a color-infused frosted glass back.[55][56][57] Wide cameras.[58] The 16 Pro and Pro Max have larger 6.3-inch and 6.9-inch dispersion camera features. On February 19, 2025, the 16e was announced as the newest medits cheaper purchasing price.[62] Main article: List of iPhone models 46 iPhone medical states.	per 7, 2022. All models introduced satellite phone emergency callings; it also introduced always-on display technology to the lock screeth European Commission regulations, replacing Apple's proprietar of The 15 Pro and Pro Max also replace the mute switch with the "Applays, a 48-megapixel Ultra-Wide camera, and the largest batterie ember of the 16 family. This model is going to have a longer batter.	ing functionality. A new 14 Plus model introduced to the and an interactive status bar interface integrated by Lightning connector after eleven years of use in action button, and stainless-steel material to titants in an iPhone up to that point. [59] All models now the tranks to the A18 chip and the new Apple C	he large 6.7-inch screen size, first seen on the iPhone 12 Pro Med in a redesigned screen cutout, entitled "Dynamic Island".[53] previous models.[54] The 15 and 15 plus now feature the Dynamic ium.[57] The iPhone 16, 16 Plus, 16 Pro, and 16 Pro Max were a include access to new Apple Intellegence AI features,[60] a ref [1], which is the first cellular modem designed by Apple.[61] It w	ax, into a lower-cost device. [52] The iPhone 14 Pro and 14 The iPhone 15, 15 Plus, 15 Pro, and 15 Pro Max were ann mic Island, which debuted with the iPhone 14 Pro (effective announced on September 9, 2024. The former two introductioned thermal system, support for Wi-Fi 7, and a new button fill have a 6.1-inch screen, and the same 48-megapixel cam	Pro Max additionally introduced a higher-resolution 48- bunced on September 12, 2023. Starting with this group of ely retiring the "notch" display cutout), a 48-megapixel main ed a vertical camera layout with refined "Fusion" and Ultra- dubbed the "Camera Control", allowing easier access to era as previous models, but lacks the wider shot option due to
Apple A18 Pro iPhone 16 Pro Max February 28, 2025 iPhone 16e Apple A18 Availa 2 years Discontinued and unsupported iPhone 3G iPhone OS 2.0 July 11, 2008 (20 4 years, 2 months 1 year iPhone 4 iOS 4.0 June 24, 2010 (2010-06-24) September 2 years iPhone 5 iOS 6.0 September 21, 2012 (2012-09-21) September 10, 2013 (iPhone 5s iOS 7.0 September 20, 2013 (2013-09-20) March 21, 2016 (2016-03-21) September 25, 2015 (2015-09-25) September 12, 2018 (2018-09-12) September 1 iPhone 7 / 7 Plus iOS 10.0 September 16, 2016 (2016-09-16) September 10, 2019	ability and support lifespan of all iPhone models Model Release(d 008-07-11) August 9, 2010 (2010-08-09) March 3, 2011 (2011-03-07-10, 2013 (2013-09-10) September 17, 2014 (2014-09-17) iOS 7.1 (2013-09-10) September 19, 2017 (2017-09-19)(late, single update) September 18, 2019 (2019-09-18)(last security update: January 2022 (2022-09-12)(last security update: March 31, 2025 (2025-09-12))	Discontinued Support Status With OS Date Ender 13) iOS 4.2.1 2 years, 7 months 6 months iPhone 30.2 4 years, 2 months 1 year iPhone 4s iOS 5.0 Octor: July 22, 2019 (2019-07-22)) iOS 10.3.3(10.3.4) 4 years, 2023 (2023-01-23)) iOS 12.4.1(12.5.7) 5 years, 103-31)) iOS 15.6.1 (15.8.4) 6 years, 11 months 4 years, 12 months 4 years, 13 months 4 years, 14 months 4 years, 14 months 4 years, 14 months 4 years, 15 months 4 years, 16 months 16 months 17 months 17 months 18 years, 18 months 18 years, 18 months 18 years, 18	d Final OS[a] Lifespan[b] Max[c] Min[d] iPhone iPhone OS 1.0 J GS iPhone OS 3.0 June 19, 2009 (2009-06-19) September 12, 20 ber 14, 2011 (2011-10-14) September 9, 2014 (2014-09-09) September 3, 11 months 4 years iPhone 5c iOS 7.0 September 20, 2013 11 months 3 years, 5 months iPhone 6 / 6 Plus iOS 8.0 September 20 Discontinued and unsupported, critical security bug fixes of the s	une 29, 2007 (2007-06-29) June 9, 2008 (2008-06-09) June 12 (2012-09-12) September 18, 2013 (2013-09-18) (late, sin tember 13, 2016 (2016-09-13) (late, single update: July 22, 3 (2013-09-20) September 9, 2015 (2015-09-09) September 19, 2014 (2014-09-19) September 7, 2016 (2016-09-07) only iPhone SE (1st) iOS 9.3 March 31, 2016 (2016-03-31) September 7, 2016 (2016-03-31)	21, 2010 (2010-06-21) iPhone OS 3.1.3 2 years, 11 months agle update: February 21, 2014 (2014-02-21)) iOS 6.1.3(6.1.6) 2019 (2019-07-22)) iOS 9.3.5(9.3.6) 4 years, 10 months 19, 2017 (2017-09-19) iOS 10.3.3 3 years, 11 months 2 years 4 years, 11 months 3 years iPhone 6s / 6s Plus iOS 9.0 September 12, 2018 (2018-09-12) 6 years, 5 months 4 years
November 3, 2017 (2017-11-03) September 12, 2018 (2018-09-12) 5 years, 10 mo 7 months 3 years, 8 months iPhone 11 iOS 13.0 September 20, 2019 (2019-09-20) 5 years, 1 month 3 years, 2 months iPhone 12 / 12 Mini iOS 14.1 October 23, 2020 Pro)November 13, 2020 (2020-11-13) (12 Pro Max) September 14, 2021 (2021-09 September 24, 2021 (2021-09-24) September 7, 2022 (2022-09-07) 3 years, 8 mor September 16, 2022 (2022-09-16) September 12, 2023 (2023-09-12) 2 years, 8 mor 16 Plus iOS 18.0 September 20, 2024 (2024-09-20) 8 months Current or still sold	onths 5 years, 1 month iPhone XS / XS Max iOS 12.0 September 2:) September 7, 2022 (2022-09-07) 5 years, 8 months 2 years, 8 months (2020-10-23) (12)November 13, 2020 (2020-11-13) (12 Mini) September 4 years, 7 months (12 Pro)4 years, 6 months (12 Pro Max) 3 years, 8 months iPhone SE (3rd) iOS 15.4 March 18, 2022 (2011-13)	1, 2018 (2018-09-21) September 10, 2019 (2019-09) on this iPhone 11 Pro / 11 Pro Max iOS 13.0 September 12, 2023 (2023-09-12) (12) September 7, 2023 (2023-09-12) (12) September 7, 2023, 8 months iPhone 13 / 13 Mini iOS 15.0 September 2022-03-18) February 19, 2025 3 years, 2 months 2, 2023 (2023-09-22) 1 year, 8 months Current or september 2023 (2023-09-22) 1 year, 9 year,	9-10) current latest iOS 6 years, 8 months 5 years, 8 months Disber 20, 2019 (2019-09-20) October 13, 2020 (2020-10-13) 5 years, 2022 (2022-09-07) (12 Mini) 4 years, 7 months 2 years, 8 monthember 24, 2021 (2021-09-24) September 9, 2024 (2024-09-09) (iPhone 14 / 14 Plus iOS 16.0 September 16, 2022 (2022-09-16) still sold iPhone 15 Pro / 15 Pro Max iOS 17.0 September 22, 20	icontinued, still supported iPhone XR iOS 12.0 October 26, ars, 8 months 4 years, 7 months iPhone SE (2nd) iOS 13.4 Ars iPhone 12 Pro / 12 Pro Max iOS 14.1 (12 Pro)iOS 14.2 (13)September 12, 2023 (2023-09-12) (13 Mini) 3 years, 8 ra (14)October 7, 2022 (2022-10-07) (14 Plus) 2 years, 8 mon 23 (2023-09-22) September 9, 2024 (2024-09-09) 1 year, 8	2018 (2018-10-26) September 14, 2021 (2021-09-14) 6 years, pril 24, 2020 (2020-04-24) March 8, 2022 (2022-03-08) 2 Pro Max) October 23, 2020 (2020-10-23) (12 nonths 1 year, 8 months iPhone 13 Pro / 13 Pro Max iOS 15.0 ths iPhone 14 Pro / 14 Pro Max iOS 16.0 months 8 months Discontinued, still supported iPhone 16 /
(probably with feature updates), in parentheses: last iOS supported ^ Min / max a manufactured by Foxconn, based in Taiwan. In 2011, new CEO Tim Cook changed been slowly increased: the company made part of the iPhone 5c line in 2013, and assemble iPhones to sell in the region.[66] In 2022, Apple announced that a portion hardware Apple directly sub-contracts hardware production to external OEM community with current models offering screens of 4.7 inches and larger. All iPhones include facial recognition sensor or fingerprint sensor (depending on the model) and baro	d Apple's manufacturing strategy to diversify its supply base. The 30% of iPhone 6 devices in 2014. The 6 Plus model was produced on of the iPhone 14 would be manufactured in Tamil Nadu, India, apanies, maintaining a high degree of control over the end produce a rear-facing camera; the front-facing camera dates back to the ipmeter. In 2022, Apple added satellite communications to the iPho	iPhone 4s in 2012 was the first model to be manuft solely by Foxconn. [64] In 2019, Apple investigated as a response to China's "zero-COVID" policy that the iPhone contains most of the hardware parts Phone 4. The iPhone 7 Plus introduced multiple leading, with the release of the iPhone 14 and iPhone 1	actured simultaneously by two stand-alone companies: Foxconr d reports that some Foxconn managers had used rejected parts has negatively affected global supply chains for many industrie of a typical modern smartphone. Some hardware elements, such ses to the rear-facing camera. A range of sensors are also include 14 Pro. [69] Main articles: iOS and iOS version history The iPhone	a and Pegatron, the latter also based in Taiwan. Although F to build iPhones.[65] In India, Apple pays Wistron, a Taiwa s.[67] Apple has stated that they plan to shift 25% of iPhon th as 3D Touch and the Taptic Engine, are unique to the iPl aded on the device, such as a proximity sensor, ambient lig the runs iOS.[70] It is based on macOS's Darwin and many o	oxconn still produces more iPhones, Pegatron's orders have n-based manufacturer with a plant near Bangalore, to e production to India by 2025.[68] Main article: iPhone none. The main hardware of the iPhone is the touchscreen, ht sensor, accelerometer, gyroscopic sensor, magnetometer, f its userland APIs, with Cocoa replaced by Cocoa Touch, and
AppKit replaced by UIKit. The graphics stack runs on Metal, Apple's low-level graphistorically accompanied new iPhone models.[74][75] The most recent version is it weblog, announced that a software development kit (SDK) would be made available exceptions for ad-hoc apps used within enterprises. Developers must pay a yearly earning less than \$1 million in annual sales qualify for the App Store Small Busine revenues have been cited as key factors. All apps must pass Apple's app review prontent, causing Tumble to ban all adult content from their platform.[89] The App	iOS 18.[76] See also: iOS SDK and App Store At WWDC 2007 on Jole to third-party developers in February 2008.[78] The iPhone SD \$\times\$ \$99 fee as part of Apple's Developer Program;[81] if their members Program, with Apple only taking a 15% fee.[84] Though iOS has rocess before being distributed in the App Store.[87] Apple may a postore's review process has been criticized by developers as "frusted"	une 11, 2007, Apple announced that the iPhone wo K was officially announced and released on March ership expires, their apps are removed from the Ap as far lower market share than Android, its app eco lso stop distributing apps it deems inappropriate. I trating", "anti-competitive", and "asinine".[90][91]	buld support third-party Ajax web applications that share the log 6, 2008.[79] The App Store was launched with the release of it is possible to store, though existing users retain the ability to redownload osystem has been described as superior, with higher-quality approximates applying the properties of the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the App Store that the Newspapers applying [92][93] Users can also install native apps outside of the Newspapers applying [92][93] Users can also install native apps outside of the Newspapers applying [92][93] Users can also install native apps outside of the Newspapers applying [92][93][93] Users can also install native apps outside of the Newspapers applying [92][93][93][93][93][93][93][93][93][93][93	ok and feel of the iPhone interface.[77] On October 17, 200 Phone OS 2.0, on July 11, 2008.[80] Apple requires all third the app.[82] Developers can release free apps, or paid app os, and more iOS-exclusive releases.[85] Android's version to The Sun's "obscene" topless Page 3 girls.[88] In 2018, Applicate through jailbreaking,[94] or through exploits, such as	7, Steve Jobs, in an open letter posted to Apple's "Hot News" party apps to be downloaded from the App Store, with for which Apple takes a 30% cut of proceeds.[83] Developers fragmentation,[86] less uniform hardware, and lower appupele removed Tumblr from the App Store, citing illegal frollStore. Jailbreaking may cause security issues, and is not
supported by Apple.[95] As of October 2013[update], Apple has passed 60 billion article: iOS jailbreaking Apple restricts the installation of unapproved third-party their device in ways not allowed by Apple, and bypass SIM locks without carrier a of malware due to Apple's lesser control of the app ecosystem.[105] In the United range of accessibility features to support users' visual, auditory, and motor needs Assistive Touch to customize the way they navigate through menus; it can assist u activated with an onscreen tap. Gestures, like rotate and shake, are available even interaction. The iPhone also supports wireless braille displays to help users read in	apps and does not allow full access to the iPhone's filesystem. Ac approval.[102] Some jailbreak tweaks were later copied by Apple at States, Apple cannot void an iPhone's warranty solely due to jaill a iPhones can notify users through onscreen banners, audio alerts users who have difficulties with some gestures, like pinching, and an when if the iOS device is mounted on a wheelchair. Head Track	cording to Jonathan Zittrain, the emergence of closend implemented into iOS, like multitasking, widge preaking. [106] Jailbreaks rely on exploits. Apple has, vibrations, or the LED flash; vibration patterns can make these gestures available by tapping on a making can be used to control an iPhone using facial makes.	sed devices like the iPhone has made computing more proprietates, and copy and paste.[103] Apple attempted to use the DMCA as improved the iPhone's hardware and software security, making the customized by users. Since iOS 15, Siri can read notificate enu. The user can create their own gestures and customize the provements recognized by the front camera.[109] Low-vision use	ary than it was in the PC era.[101] Jailbreaking allows users to fight jailbreaking; however in 2010, the U.S. found jailing these exploits harder to find; as a result, recent iPhones ions out loud through earphones, and, since iOS 16, through layout of the AssistiveTouch menu. If the user has trouble irs can enable VoiceOver, a screen reader which describes	s to install apps not available on the App Store, customize reaking to be legal.[104] Jailbroken iPhones are at higher risk cannot currently be jailbroken.[107] The iPhone contains a h the device's speakers.[108] Users with motor needs can use pressing the Home button, it can be set so that it can be what is on the screen, while Siri allows for hands-free
Hearing aids that are part of the Made for iPhone program can be controlled from Live Listen support into all AirPods, which can also relay audio from a connected with an onscreen alert.[109] Guided Access helps people with autism, ADHD, or s the screen. The original iPhone was heavily promoted before its official announce been described as a key moat that increases iPhone brand loyalty. iMessage has e than bubbles, and images are sent through MMS, which degrades image quality. restricting their use to one particular carrier.[120] While the iPhone was initially	In an iPhone. These hearing aids also feature Live Listen, which en iPhone's microphone. Closed captioning and external TTY devices sensory challenges stay focused on a single app. With Guided Accessment, creating buzz and anticipation.[112] Upon its release, it was especially been singled out with its "green bubbles" phenomena. I Some teens have described being "ostracized" after switching to A	ables the iPhone to act as a directional microphon are supported, while Live Caption can transcribe ess, a parent, teacher, or therapist can limit an iOS is marketed heavily in television, web and print add it iMessage, SMS messages from Android users ap Android,[117] which Google has labeled "bullying".	e, beaming its audio to compatible hearing aids.[110] Live Liste audio across all apps and display it onscreen. Sound Recognition device to stay on one app by disabling the Home button and links created in partnership with TBWA\Chiat\Day.[113] Apple's prepar as green bubble, rather than the blue bubbles used for text.[118] This has been described by critics as a key factor leading	en can help the user hear a conversation in a noisy room or on can recognize surrounding noises, including door bells, le nit the amount of time spent in an app. The user can restri- emium market positioning has led the iPhone to be seen as its from other iPhone users. Group chats between iOS and 87% of U.S. teenagers to use iPhones.[119] Many iPhones	hear someone speaking across the room.[111] Apple built settles, water running, and babies crying, and notify the user access to the keyboard or touch input on certain areas of a status symbol.[114][115][116] The Apple ecosystem has Android are poorly supported; reactions display as text, rather bought through a monthly carrier contract are SIM locked,
lucrative market before the iPhone 3G's worldwide release.[122][123] Today, mar Since 2013, iPhone buyers can obtain a trade in discount when buying a new iPhorelationships with mobile carriers".[126] iPhone 6s's interior; the side on the left of many are glued together.[128] iPhones receive low repairability scores, in part durintroduce right to repair laws, including the EU,[131] UK,[132] and U.S.[133] In twithout losing Touch ID functionality, since Apple has not made their calibration if iFixit notes that a proprietary, cloud-linked System Configuration tool is required	one directly from Apple. The program aims to increase the numbe contains the display and the side on the right contains hardware are to the difficulty of obtaining genuine parts, and the difficulty up the past, Apple bricked iPhone 6 models after their home buttons tool public.[135] Starting with the iPhone XR, Apple displays warn to "complete" a part repair, meaning that even replacing a genuine	r of customers who purchase iPhones at Apple Stores and Apple Authorize and Earth of the Eart	res rather than carrier stores.[125] In 2015, Apple unveiled the d Service Providers are allowed by Apple to perform genuine rethe right to repair movement, aimed at giving users cheaper opple called this a bug, and released an update to address the iscamera are replaced by a third party.[136] Additionally, some for "genuine parts" check unless said tool is used.[137] In 2022, Apple of the service of the ser	iPhone Upgrade Program, a 24-month leasing agreement, eplacements.[127] Apple has taken steps to make third-par otions for repairing their phones. Apple has lobbied against sue.[134] On iPhones with a Touch ID sensor, the home but eatures are disabled when a part labeled "non-genuine" is apple rolled out a self-service repair program, allowing any upper content.	which Fortune described as a "change [in] iPhone owners' by repairs more difficult. iPhone components are soldered, and right to repair legislation.[130] Multiple jurisdictions aim to ton cannot be replaced by users or independent repair shops letected, like True Tone, or the battery health measurement. ser to buy parts, rent repair tools from Apple, and obtain
repair manuals. The program received a degree of praise by iFixit and repair advouser refuses, the app cannot access Apple's Identifier for Advertisers (IDFA), an idea own apps from their anti-tracking measures, which has led to anti-trust investigat 2010, forensic expert Christopher Vance discovered a hidden unencrypted file nat Allan and Pete Warden, who found that anyone with physical access to an iPhone location services are disabled.[152] The controversy led to U.S. congressional scr being collected when location services were off, and being stored for more than a	dentifier used to serve personalized ads.[140] ATT does not prevertions by the French and German governments.[143][144] In July 2 amed "consolidated.db" that contained a record of iPhone users' localled obtain a detailed record of its owner's location and movementatiny and an FCC investigation,[148] and was dubbed "Locationgary year, were both bugs.[153] Apple issued an update for iOS (versi	nt personalized ads that are based on the user's be 010, Apple claimed that it collected iPhone users' cations.[147][148] The file was added with the Junents over the past year.[150] Moreover, the file waste" by the media.[153] Apple responded on April 2 on 4.3.3, or 4.2.8 for the CDMA iPhone 4) which responded to the collection of th	chavior within the app itself.[141] The feature has been criticized GPS coordinates and nearby Wi-Fi networks twice a day; a Wallie 2010 iOS 4 update, though previous versions of iOS stored single automatically backed up by iTunes onto any computer the iPh 27, 2011, claiming that the data was used to cache nearby Wi-Fieduced the size of the cache, encrypted it, stopped it being backet.	ed by some as anti-competitive, including Facebook, whose Street Journal investigation found that Google's Android somilar information in a file called "h-cells.plist".[149] On Appone was synchronized with.[151] A Wall Street Journal investigation and cell towers in order to improve location spectated up to iTunes, and erased it entirely whenever location spectations.	shares fell by 26% after its rollout.[142] Apple exempts their ent this data "several times an hour".[145][146] In September il 20, 2011, The Guardian publicized research by Alasdair estigation found that users' locations were still stored when d and accuracy. The company also claimed that locations ervices were turned off.[154] Nevertheless, in July 2014, a
report on state-owned China Central Television called iPhone tracking a "national plans to scan iCloud Photos for child abuse imagery (through an algorithm called device rather than in the cloud led the EFF and security experts to call it a "backed Safety, was added in iOS 15.2.[163] Apple's iOS operating system is regarded by a law enforcement.[166] This changed with iOS 8, which adopted file-based encrypt passcode.[168][169] In 2015 and 2016, a dispute unfolded between Apple and the that would allow investigators to brute force the device passcode.[170][171] Time USB Restricted Mode,[174] which was subsequently exploited too.[169] In 2016,r	"NeuralHash"), and filter explicit images sent and received by chdoor" that could later be expanded to detect other types of contensome security experts as more secure against common malware thion. Apple does not hold the decryption key, and cannot be competed FBI. The FBI had recovered the iPhone 5c of one of the San Berr Cook responded on the company's website, outlining a need for experience.	ildren using iPhones (dubbed "Conversation Safety ts, and would decrease users' privacy.[160] Apple han Android.[164] Less than 1% of mobile malward elled to turn over user data, even when presented hardino attackers, and iCloud backups of that phonocryption, arguing that a backdoor would compron	r"), to be rolled out later that year.[158] More than 90 policy an claimed the system was "misunderstood",[161] but announced at targets iOS.[165] Prior to 2014, the iPhone stored all "messag with a government warrant.[167] Companies like Grayshift and are from a month and a half before the shooting. The U.S. governments the privacy of all iPhone users.[172] The DOJ withdrew its	d human rights groups wrote an open letter to condemn be in December 2022 that the photo-scanning feature would n es, pictures and videos, contacts, audio recordings [] and Cellebrite developed exploits that enable law enforcement ament attempted to obtain a court order under the All Writs request after the FBI bought an exploit to bypass the iPhon	th features.[159] Apple's plan to implement NeuralHash on- ever be implemented.[162] The other feature, Conversation call history" in unencrypted form, enabling easy access by to extract user data from iPhones without needing the user's Act compelling Apple to produce a modified version of iOS e's passcode.[173] As a countermeasure, Apple implemented
iMessage to the user that would not even trigger a notification.[176] Pegasus can Apple announced a new bug bounty for vulnerabilities, and added an optional Loc "has a massive backlog of bugs that it hasn't fixed".[183] Prominent victims of Peg handheld computer",[188] and "the best phone that anybody has ever made".[189] and email; more advanced functions were harder to use and inconvenient on a sm platforms.[196] In contrast, Apple's iPhone SDK provided a wide range of APIs, m on launch day.[199] As of 2021, the iPhone has higher brand loyalty than any other	a collect most data, including chats, passwords, and photos, and cackdown Mode to iOS 16 that reduces the iPhone's attack surface. [gasus include Jamal Khashoggi, and numerous activists, businessed] It is now Apple's bestselling product, and has been credited with hall screen. [193] They were also hard to develop for, and lacked a made mobile development far more accessible, [197][198] and was	an turn on the phone's microphone and camera ren 181][182] Many security researchers have criticized men and politicians.[184] Pegasus has been widely in helping to make Apple one of the world's most van thriving app ecosystem like the App Store (release instrumental in turning the iPhone into a "Swiss and	notely.[177][178] Apple quickly issued an update fixing FORCE ed Apple's bug bounty for underpaying researchers, being uncontused since 2011,[185] and is still used by law enforcement and aluable publicly traded companies by 2011.[190] Newer iterationed in 2008).[194][195] Many phones were heavily customized by my knife" with a wide range of features and apps.[193] Successions.	DENTRY and other known Pegasus exploits,[179] though P mmunicative, and being slow to fix vulnerabilities, and two governments as of July 2022.[186] The original iPhone has ns have also received praise and awards.[191][192] Before y mobile carriers, which led to feature fragmentation and p sive iPhone models have generated significant fan enthusia	egasus continued to be used, relying on new exploits.[180] Apple employees told The Washington Post that the company been described as "revolutionary",[187] a "breakthrough the iPhone, smartphones were mostly used for texting, calls, revented these phones from turning into thriving software sm, with many customers queuing up in front of Apple Stores
unsuccessful. Google successfully started over on their Android project,[193] and between Q3 FY2007[note 3] and Q4 FY2008, and 11.3 million units of the iPhone behind the BlackBerry;[209] in 2010 the iPhone 3GS was the best-selling smartph FY2010.[214] By 2011, Apple sold 100 million iPhones worldwide,[215] and becar season (Apple's Q1). With the release of the iPhone 13 in Q1 FY2022, Apple tempedominate the smartphone market, with 21.8% and 15.6% worldwide market share with Samsung taking the other 20%.[224] Carriers compete with each other to su	designed it for mass adoption by carriers and phone hardware m 3G in Q4 FY2008 and Q1 FY2009.[206] In 2008, the iPhone reach none in the U.S., the first time that an iPhone device reached top s me the largest mobile phone vendor in the world by revenue, surpporarily topped Samsung, with 84.9 million units shipped compared respectively.[220] Due to Apple's small lineup, Apple often dominabsidize iPhone upgrades, which is seen as a significant factor in its	anufacturers. [203] Today, iOS and Android accounted 1.1% of worldwide mobile phone market share, spot in that market. [210] iPhone sales grew continuasing long-time leader Nokia. [216] Q1 FY2012 market to Samsung's 68.9 million. In most quarters, Appnates the list of bestselling smartphone models. [22] Phone sales, though this has reduced carrier profit	at for 99% of smartphones used worldwide. [204] Steve Jobs's in [207] and 8.2% of the smartphone market. [208] During this time uously year-over-year since its introduction until Q2 FY2016. [21] arked Apple's best quarterly earnings in its history, with 53% of the is the second largest smartphone vendor by units. [214] [note [21] [222] Despite its lower market share, the iPhone's premium pass. [225] On July 27, 2016, Apple announced that it had sold their	itial target was to reach 1% of phone market share in 2008 to it was quickly becoming relevant in North America, and [1][212] The iPhone briefly surpassed BlackBerry in Q4 FY of the company's revenues coming from iPhone sales.[217] F4] Apple sold 223 million iPhones in its financial year 2023 positioning has led it to capture nearly half of global smarts of 1 billionth iPhone.[226] As of January 1, 2024, more than	[205] Apple sold 6.1 million units of the original iPhone n market share was ranked second in the U.S. in 2009, 2008,[213] and permanently overtook it starting in Q3 hone sales are strongly seasonal, peaking in the holiday ending September 24.[218][219] Today, Samsung and Apple phone revenue,[223] and 80% of global smartphone profits, 2.3 billion iPhones have been sold.[227] Compared to other
high-tech products, a greater proportion of iPhone users are female.[228] The iPh Worldwide, the iPhone accounts for 78% of the high-end (\$1,000+) smartphone mentry-level phones are the previous years' models, part of an effort to increase its Apple started manufacturing previous years' iPhone models in India; in 2022, it be servants in what was seen as an effort to reduce dependence on foreign technologists tablet platform developed by Apple ^ 1 GB = 1 billion bytes; 1 TB = 1 trillion December, Q2 ends in late March, Q3 ends in late June, and Q4 ends in late September.	none has been adopted by both consumers and business users. [22] narket. [232] Android overtook the iPhone's installed base in 2010, a market share in emerging markets without diluting its premium began manufacturing the current iPhone 14 there too. [238] Analys gy and strengthen cybersecurity. [240] In May 2024 Iranian presion bytes ^ The naming of the iPhone X (Roman numeral "X" pronougember. All references to quarters in this section reference Apple's	[9] iPhone users are wealthier and spend more time according to NPD Group.[233] During Apple's ear brand.[235][236] It also considers emerging markets have speculated that this was partly caused by Alent Mokhber banned imported iPhone 14 and new noted "ten") marked the 10th anniversary of the iPl fiscal year quarters. The holiday quarter, the four	e on their phones than Android users on average. [230] [231] The rings call on January 27, 2021, Tim Cook said that 1 billion iPh et tastes in its product designs; for example, it introduced a gold apple's desire to reduce its dependence on China, and to overcover models, in November the ban was lifted and replaced with 3 thone, thus skipping the iPhone 9. ^ Each company may choose th quarter of the calendar year, is referred to as Apple's Q1. Sin	e iPhone is especially popular in the U.S., where it has a 50 ones were being actively used worldwide. [234] While other iPhone after finding that gold was seen as a popular sign me Indian import duties. [238] [239] In 2023, the Chinese g 0% customs tariff to the phones. [241] [242] Telephones por different quarters for their fiscal year. Apple's fiscal quarters 2011, iPhone releases have consistently occurred in Second	% market share,[232] and is used by 87% of teenagers.[119] manufacturers make separate entry-level phones, Apple's of a luxury product among Chinese customers.[237] In 2017, overnment banned the use of iPhones by government civil tal Apple Newton, an early personal digital assistant and the ers correspond to the following months: Q1 ends in late of tember at the end of Q4, meaning that sales of a new model
are mostly reflected in Q1 of the following fiscal year, covering October to Decem Origin Story of the IPHONE. An exclusive excerpt from the book "The One Device October 25, 2012. ^ Murtazin, Eldar (June 20, 2010). "Apple's Phone: From 1980s handset names for". Andrew Griffin. The Independent. February 18, 2016. Archive 2005). "iPod nano: The End of the Motorola-Apple Story - Ed Zander, Motorola CI Peter (January 12, 2007). "How Apple kept its iPhone secrets". CNN. Archived from the society of the Motorola CI Peter (January 12, 2007). "GNET Archived from the original on July 5, 2022."	e: The secret history of the iPhone"". The Verge (published 2017). It is shown to iPhone. Part 3". Mobile-review. Archived from the cred from the original on July 6, 2022. Retrieved November 12, 201 EO: "Screw the nano"". Softpedia. Archived from the original on July 6 on the original on December 10, 2008. Retrieved January 11, 2009 at. Archived from the original on March 24, 2017. Retrieved March	June 13, 2017. Archived from the original on Auguriginal on May 11, 2011. Retrieved March 27, 2017. ^ Wei, Will (September 7, 2016). "The meaninguly 1, 2022. Retrieved June 5, 2010. ^ Rojas, Peter 2. ^ Vogelstein, Fred (January 9, 2008). "The Untola 23, 2017. ^ Brodkin, Jon (June 29, 2017). "With it	st 27, 2022. ^ Rowinski, Dan (August 7, 2012). "4 Real Secrets 1. ^ "The Untold Story: How the iPhone Blew Up the Wireless I of the 'i' in 'iPhone' - as explained by Steve Jobs". Business Insi (September 8, 2005). "It's official: ROKR E1 iTunes phone can ld Story: How the iPhone Blew Up the Wireless Industry". Wired Phone, Apple showed AT&T and Verizon who's boss". Ars Technology.	We've Learned So Far About Apple". Readwriteweb.com. Andustry". Wired. January 9, 2008. Archived from the origin der. Archived from the original on June 27, 2022. Retrieved only store max. 100 tracks". Engadget. Archived from the old. Archived from the original on May 9, 2008. Retrieved Januarica. Archived from the original on July 3, 2017. Retrieved J	rchived from the original on August 8, 2012. Retrieved al on February 13, 2015. ^ "iPhone: What the "i" in Apple's I November 12, 2017. ^ Andreescu, Alex (September 27, original on May 25, 2022. Retrieved March 23, 2017. ^ Lewis, uary 10, 2008. ^ Cheng, Jacqui (June 9, 2008). "AT&T uly 4, 2017. ^ Farber, Dan (January 9, 2014). "When iPhone
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commercialized in 2009 and only offered in China. The latest UMTS release, HSPA+, can provide peak data rates up to 56 Mbit/s in the uplink. The coll phones are typically CDMA2000 and IS-95 hybrids. The latest release EVDO Rev. B offers peak rates of 14.7 Mbit/s downstream. The 3G systems, and radio interfaces are based on spread spectrum redional ("2.9G"), DECT common standards by ITU, these are typically not branded as 3G and are based on completely different technologies. The common standards complying with the IMT-2000/3G standard are: EDGE GSM based by ITU, these are typically not branded as 3G and are based on completely different technologies. The common standards complying with the IMT-2000/3G standard are: EDGE GSM based station and cellphone RF circuits. It is based on the three times as efficient 8PSK modulation scheme as a supplement to the original GMSK modulation scheme as a supplement to the original GMSK modulation scheme. EDGE is still used extensively due to its ease of upgrade from existing 2G GSM infrastructure and cell phones. EDGE combined with the GPRS 2.5G technology is called EGPRS, and allows peak data rates in the order of 200 kbit/s, just like the original UMTS wCDMA versions and thus formally fulfill the IMT-2000 requirements on 3G systems. However, in practice, EDGE is seldom marked as a 3G system, but a 2.9G SAS system, but a

government and communication companies approved the 3G standard. The first pre-commercial 3G network was launched by NTT DoCoMo in Japan in 1998,[12] branded as FOMA. It was first available in May 2001 as a pre-release (test) of W-CDMA technology. The first commercial launch of 3G was also by NTT DoCoMo in Japan on 1 October 2001, although it was initially somewhat limited in scope;[13][14] broader availability of the system was delayed by apparent concerns over its reliability.[15][16][17][18][19] The first European pre-commercial network on the Isle of Man by Manx Telecom, the operator then owned by British Telecom, and the first commercial network (also UMTS based W-CDMA) in Europe was oper for business by Telenor in December 2001 with no commercial handsets and thus no paying customers. The first network to go commercially live was by SK Telecom in South Korean 3G network was by KT on EV-DO and thus the South Koreans were the first to see competition among 3G operators. The first commercial United States 3G network was by Monet Mobile Networks, on CDMA2000 1x EV-DO technology, but the network operator in the US was Verizon Wireless in July 2002, also on CDMA2000 1x EV-DO. AT&T Mobility was also a true 3G UMTS network, having completed its upgrade of the 3G network to HSUPA. The first commercial United Kingdom 3G network was started by Hutchison Telecommunication retwork was by Hutchison Telecommunication network for the 2002 IT World Congress. The first pre-commercial demonstration network in the southern network was built in Adelaidon as Three or "3" in place 2003, the first pre-commercial demonstration network in the southern network was built in Adelaidon as Three or "3" in place 2003, the first pre-commercial demonstration network was builting of Delhi and Mumbai. After MTNL, another state-owned company. Blanat Sanchar Nigam Limited (MSNL), began deploying the 3G network in Africa [22] Videotelephony through cellular networks were made possible using 3G technologies Islandon.

was the result of research and development work carried out by the International Telecommunication Union (ITU) in the early 1980s. 3G specifications were made available to the public under the name IMT-2000. The communication spectrum between 400 MHz to 3 GHz was allocated for 3G. Both the

operating in 40 countries and 154 HSDPA networks were operating to 154 HSDPA networks were operating in 71 countries, according to the Global Mobile Suppliers Association (GSA). In Asia, Europe, Canada, and the US, telecommunication companies use W-CDMA technology with the support of around 100 terminal designs to operate 3G mobile networks. The roll-out of 3G networks were operating in 71 countries and sealed bid according to the Global Mobile Suppliers Association (GSA). In Asia, Europe, Canada, and the US, telecommunication companies use W-CDMA technology with the support of around 100 terminal designs to operate 3G mobile networks. The roll-out of 3G networks were operating to the Global Mobile Suppliers Association (GSA). In Asia, Europe, Canada, and the US, telecommunication some countries were particularly high, bolstered by government according to some countries were particularly high, bolstered by government according to some countries were particularly high, bolstered by government according to some countries were particularly high, bolstered by government according to some countries were particularly high, bolstered by government according to some countries were particularly high, bolstered by government according to some countries were particularly high, bolstered by government according to some countries were particularly high, bolstered by government according to some countries were particularly high, bolstered by government according to the US, telecommunication companies use W-CDMA technology with the support of around 100 terminal designs to operate 3G mobile entouries and some countries were according to the floating to some countries were particularly high, bolstered by government according to the GSA). In Asia, Europe, Canada, and the US, telecommunication replacement to the Global Mobile Support high, bolstered by government according to the High the High the High the Support high the High the

subscribers worldwide out of a total of 6835 million subscribers—this is just over 30%. About half the mobile-broadband subscriptions are for subscribers in developed nations, 934 million out of 1600 million total, well over 50%. Note however that there is a distinction between a phone with mobile-broadband connectivity and a smart phone with a large display and so on—

of shutting down their 3G networks (see table below). In several places, 3G is being skpt in operation; Vodafone UK is doing this, citing 2G's usefulness as a low-power fallback. [28] EE in the UK, plans to switch off their 3G networks on 31 December 2022. [30] The Mobile shut down Sprint's networks on 31 March 2022 and shutdown their main networks on 1 July 2022. [31] and AT&T has done so on 22 February 2022. [32] Currently 3G around the world is declining in operable with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to decomining only 3G and backwards compatible with 2G requencies can continue to be used. However, in countries that plan to establish on the used. However, in countries that plan to establish and ackwards compatible with 2G requencies and such as a contract and ac

penetration was similar at about 81%, but smart phone ownership was lower at about 17%.[25] In China, there were 486.5 million 3G subscribers in June 2014,[27] in a population of 1,385,566,537 (2013 UN estimate). Since the increasing adoption of 4G networks across the globe, 3G use has been in decline. Several operators around the world have already or are in the processing adoption of 4G networks across the globe, 3G use has been in decline.

bandwidth and location capabilities introduced by 3G networks enabled a wide range of applications that were previously impractical or unavailable on 2G networks. Among the most significant advancements was the ability to perform data-intensive tasks, such as browsing the internet seamlessly while on the move, as well as engaging in other activities that benefited from fundata speeds and enhanced reliability. Beyond personal communication, 3G networks supported applications in various fields, invarious fields in various fields, invarious fields,

2023-03-20 UMTS [77][78] Service on the 2100 MHz band commenced in 2021. Estonia Elisa 2024-11-26 UMTS [89] Telea 2025-12-31 (est.) UMTS [89] Local shutdowns commenced in Apr 2023. Elisa 2024-11-26 UMTS [89] Local shutdowns commenced in Apr 2023. Elisa 2024-12 UMTS [89] Local shutdowns commenced in Apr 2023. Finnish Sarred Network [fi] 2024-12 UMTS [90] Joint company by Telia and ONA to menced on 9 Service Deutsche Telekom 2021-07-01 UMTS [90] Cognany No Service Deutsche Telekom 2021-07-01 UMTS [90] Vodafone 2021-12-31 UMTS [100] Greenand Tusass TBD UMTS [107] Hong Kong 3 active UMTS [08] Cognand Tusas TBD UMTS [108] CSL. DUMTS [108] CSL. DUMTS

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[223][223] Taiwan Star 2018-12-31 (Data)2024-06-30 (Voice) UMTS [221][223][233] United Kingdom EE 2024-02-25 UMTS [224][225][226][27] Three 2024-02-26 UMTS [221][232][233] Local shutdown commenced in Jun 2023. United States Puerto Rico US Virgin Islands No Service Appalachian Wireless 2023-01-03 CDMA2000 [124] Eopt 202-02-22 UMTS [231][233][236][237] CDMA2000 [124] Eopt 202-02-20-21 CDMA2000 [243] Eopt 202-02-22 UMTS [231][233][236] CDMA2000 [124] Eopt 202-02-22 UMTS [231] CDMA2000 [242] Eopt 202-02-22 UMTS [231] Eopt 202-02-22 UMTS [231] Eopt 202-02-22 UMTS [231] Eopt 202-02-23 CDMA2000 [242] Eopt 202-02-24 Eopt 202-02-24 Eopt 202-02-24 Eopt 202-02-24 Eop

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always big-endian, storing and transferring the most significant bytes first. [citation needed] The 3G2 stores audio streams as EVRC, EVRC-B, EVRC-WB, 13K (QCELP), SMV or VMR-WB, which was specified by 3GPP2 for use in ISO base media file format [12] The 3G2 specification also defined some enhancements to 3GPP Timed Text. 3G2 file format does not store Enhanced aacPlus (HE-AAC v2) and AMR-WB+ audio streams. [7] For the storage of MPEG-4 Part 2 video, MPEG-4 Part 10 - H.264/AVC) in 3G2 files, the 3G2 specification refers to the MP4 file format and the AVC file format specification, which described usage of this content in the ISO base media file format. For the storage of H.263 and AMR content 3G2 specification refers to the 3GP file format specification. [7] Most 3G capable mobile phones support the playback and recording of video in 3GP format (memory, maximum filesize for playback and recording, and resolution limits exist and vary). [citation needed] Some newer/higher-end phones without 3G capabilities may also playback and record in this format (again, with said limitations). [citation needed] The Nintendo 3DS used 3GP technology to play YouTube videos. Apple

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iDevices used to support files for playback only as passthrough files, hence no editing ability, but since iOS 9 this has been deprecated meaning files of this format have to be manually converted to H.264.[citation needed] When transferred to a computer, 3GP movies can be viewed on Microsoft Windows, Apple macOS, and the various Linux-based operating systems; on the former two with Windows Media Player[13] and Apple QuickFime[14] respectively (their built-in media players), and on all three with VLC media player, Totem, RealPlayer, Media GoM Player, and GoM Player, and to Eusey. Generating Services of Cauda Windows using the open source software FFmpge, [16] Media Gome and the end written on Linux, macOS and Windows using the open source AtomicParsley command-line utility. [17] computer programming portal Comparison of (audio/video) container format) CIF (Common Intermediated Services) as the Eusey Common of Cauda Windows (Gome and the ecoded with open source AtomicParsley Common of Cauda Windows Media Gome and the ecoded with open source AtomicParsley Common of Cauda Windows Media Gome and Service (PSC); and the ecoded with open source AtomicParsley Common of (audio/video) container format) CIF (Common Intermediated Services) as Described Common of Cauda Windows Media Gome and Service (PSC); and the ecoded with open source Atomic Programming portal Comparison of (audio/video) container format) CIF (Common Intermediated Services) as Described Common of Cauda Windows Media Gome and Service (PSC); and the ecoded with open source Atomic Programming portal Comparison of (audio/video) container format) CIF (Common Intermediated Services) as Described Common of Cauda Windows Media Gome and Service (PSC); and the ecoded with open source Atomic Programming portal Comparison of (audio/video) container formating Comparison of (audi

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both structurally based on the ISO base media file format defined in ISO/IEC 14496-12 - MPEG-4 Part 12, [8][9][10] but older versions of the 3GP file format defined in ISO/IEC 14496-12 - MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container formats similar to MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container format were designed to decrease storage and bandwidth requirements to accommodate mobile phones. They are good for lower end smartphones for faster streaming & download. 3GP and 3G2 are similar to MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12 (MP4), which is also based on MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format similar to MPEG-4 Part 12. The 3GP and 3G2 are container format simi

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specification refers to MP4 and the AVC file format, which are also based on the ISO base media file format. The MP4 and the AVC file format specifications described usage of MPEG-4 content in the ISO base media file format. [8] A 3GP file is always big-endian, storing and transferring the most significant bytes first. [citation needed] The 3G2 file format can store the same video streams and most of the audio streams used in the 2007 3GP file format. In addition, 3G2 stores audio streams as EVRC, EVRC-B, EVRC-B,

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format (3GP); 3GPP TS 26.244; Transparent end-to-end packet switched streaming service (PSS) - specification 3GPP2 File Formats for Multimedia Services; 3GPP2 C.S0050-B Version 1.0 - specification 8GPP2 File Formats for Multimedia Services; 3GPP2 C.S0050-B Version 1.0 - specification 8GPP2 File Formats for Multimedia Services; 3GPP2 C.S0050-B Version 1.0 - specification 8GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files RFC 4393, MIME Type Registrations for 3GPP2 File Formats for Multimedia Files F