

Head First Android Development

Unveiled on June 25, 2014, at the Google I/O 2014 conference, it became available through official over-the-air (OTA) updates on November 12, 2014, for select devices that run distributions of Android serviced by Google (such as Nexus and Google Play edition devices). Its source code was made available on November 3, 2014. The first phone with Android Lollipop was the Nexus 6. 49d03d4a87 The Android TV platform is an adaptation of the Android OS for set-top boxes and as integrated software on smart TV hardware. It supports media, games, and apps from Google... 49d03d4a87 Up to 2013's KitKat, all the sculptures were made by the company Themendous, previously known as Custom Creations. 49d03d4a87 Android 4.4 "KitKat" was officially announced on September 3, 2013. The release was internally codenamed "Key Lime Pie"; but John Lagerling, director of Android global partnerships, and his team, decided to drop the name, arguing that "very few people actually know the taste of a key lime pie". Aiming for a codename that was "fun and unexpected", his team pursued the possibility of naming the release "KitKat" instead. Lagerling phoned a representative of Nestlé, who owns the KitKat brand and produces the confectionery (outside the United States... 49d03d4a87 == Terminology == 49d03d4a87 Nougat introduces notable changes to the operating system and its development platform, including the ability to display multiple apps on-screen at once in a split-screen view, support for inline replies to notifications, and an expanded Doze power-saving mode that restricts device functionality after a period of time with the screen off. Additionally, the platform switched to an OpenJDK-based Java environment, received support for the Vulkan graphics rendering API, and enabled seamless system updates on supported devices. 49d03d4a87 == Background == 49d03d4a87

Android 10 Android 10 (codenamed Android Q during development) is the tenth major release and the 17th version of the Android mobile operating system. It was first released as a developer preview on March 13, 2019, and was released publicly on September 3, 2019 49d03d4a87

The LG V20 was the first smartphone released with Nougat in 2016. 49d03d4a87 As of June 2026, 4.1% of Android devices run Android 10, making it the seventh most widely used version of Android. 49d03d4a87 == History == 49d03d4a87 One of the most prominent changes in the Lollipop release is a redesigned user interface built around a design language known as Material Design, designed to retain a paper-like feel. Other changes include improvements to notifications, which can be accessed from the lock screen and displayed within applications as top-of-screen banners. Google also made internal changes to the platform, with the Android Runtime (ART) officially replacing Dalvik for improved application performance, and with changes intended to improve and optimize battery usage. The Roboto font, originally designed for Android Ice... 49d03d4a87 Android Automotive is an open source operating system and, as such, a car manufacturer can use it without the proprietary Google Automotive Services (GAS)—which is a car equivalent to the Google Mobile Services, i.e. a collection of applications and services like Google Maps, Google Assistant, and Google Play—that OEMs can license and integrate into their in-vehicle infotainment systems. In contrast to Android Auto, Android Automotive is a full operating system running on the vehicle's hardware, not relying on a smartphone to operate. As such, it has access to a limited number... 49d03d4a87

Android TV The ADT-2 development kit device was Android TV is an operating system that runs on smart TVs and related entertainment devices including soundbars, set-top boxes, and digital media players. Android TV features a user interface designed around content discovery and voice search, content aggregation from various media apps and services, and integration with other recent Google technologies such as Assistant, Cast, and Knowledge Graph. Created and developed by Google, it is a closed-source Android distribution. Google unveiled the first Android TV device, the Nexus Player developed by Asus, at a hardware event in October 2014 49d03d4a87

Nougat received positive reviews. The new app notification format received particular praise, while the multitasking interface was seen as a positive change; however, reviewers found that several apps were incompatible with it. Critics had mixed experiences with the Doze power-saving mode, but faster app installs... 49d03d4a87 Google's Android is the fastest selling mobile operating system as of late 2010 and was developed as a partnership with the Open Handset Alliance, with version 1.0 being released on September 23, 2008. The first publicly codenamed... 49d03d4a87 The platform was unveiled in June 2014, as a successor to Google TV, available first on the Nexus

Player in October. The platform has since been adopted as smart TV middleware by companies such as TCL, Sony, Panasonic, Philips, Sharp, Toshiba, Vu Televisions, Onida, Motorola, Nokia, Hisense, Xiaomi and Haier. Android TV products have also been adopted as set-top boxes by a number of IPTV television providers. The "Operator Tier" certification allows operators to distribute their own custom devices based on the Android TV platform. 49d03d4a87 As of March 2026, 0.06% of Android devices run KitKat. 49d03d4a87 Android 10 was officially released on September 3, 2019, for supported Google Pixel devices, as well as the third-party Essential Phone and Redmi K20 Pro in selected markets. The OnePlus 7T was the first device with Android 10 pre-installed. In October 2019, it was reported that Google's certification requirements for Google Mobile Services will only allow Android 10-based builds to be approved after January 31, 2020. 49d03d4a87 Once an Android device is paired with the car's head unit, the system can mirror some apps on the vehicle's display. Supported apps include GPS mapping and navigation, music playback, SMS, telephone, and Web search. The system supports both touchscreen and button-controlled head units. Hands-free operation through voice commands is available and recommended to reduce driver distraction. 49d03d4a87 Android Auto was revealed at Google I/O 2014. The app was released to the public on March 19, 2015. In November 2016, Google implemented an app that would run the Android Auto UI on the mobile device. In July 2019, Android Auto received its first major UI rework, which among other changes, brought an app drawer to Android Auto for the first time. Google also announced that the app's ability to be used on a phone would be discontinued in favor of Google Assistant... 49d03d4a87

Android KitKat The first phone with Android KitKat was the Nexus 5. On July 24, 2023, Google announced that Google Play Services would no longer support KitKat in August of that year. 4. The first phone with Android KitKat was the Nexus 5. As of March 2026,[update] 0. that year. 06% of Android devices run KitKat. Unveiled on September 3, 2013, KitKat focused primarily on optimizing the operating system (running on as little as 512 MB of RAM; Project Svelte) for improved performance on entry-level devices with limited resources. Android 4. It is the last version of Android to use the "Holo" interface. 4 "KitKat" was Android KitKat is the codename for the eleventh version of the Android mobile operating system, representing release version 4 49d03d4a87

Android lawn statues They are based on the code names for versions of Google's Android mobile operating system, which were named after desserts and sweet treats. Google used to commission a statue for each new Android version, a tradition that ended in 2019 with the release of Android 10. Starting with Android 11, the statues are created as virtual 3D models. Google stopped making physical statues after Android 10, which also was the first release that The Android lawn statues are a series of large foam statues near the Googleplex (Google's headquarters) in Mountain View, California, currently located at Charleston Rd & Huff Ave. where the Android development team worked until August 2014 49d03d4a87

== History == 49d03d4a87 == History == 49d03d4a87

Android Lollipop Android Lollipop (codenamed Android L during development) is the fifth major version of the Android mobile operating system developed by Google and the Android Lollipop (codenamed Android L during development) is the fifth major version of the Android mobile operating system developed by Google and the 12th version of Android, spanning versions between 5. 0 and 5. 1. 1 49d03d4a87

Android (operating system) First released in 2008, Android is the world's most widely used operating system with 3. 9 billion users, and the most used operating system for smartphones. 9 billion Android is an operating system developed by Google, designed primarily for smartphones and tablets (touchscreen-based mobile devices originally; later for other devices, such as TVs and PCs), based on a modified version of the Linux kernel and other open-source software. First released in 2008, Android is the world's most widely used operating system with 3. The latest version, released on June 16, 2026, is Android 17. version of the Linux kernel and other open-source software 49d03d4a87

== Overview == 49d03d4a87

Android Automotive The project aims to provide an operating system codebase for vehicle manufacturers to develop their own distribution. Introduced in March 2017, it was developed by Google and Intel, together with car manufacturers such as Volvo and Audi. Android Automotive (AAOS), marketed as Cars with Google built-in or colloquially just Google built-in, is an open-source operating system designed for Android Automotive (AAOS), marketed as Cars with Google built-in or colloquially just Google built-in, is an open-source operating system designed for use in vehicle dashboards, based on Android. Besides infotainment tasks, such as messaging, navigation and music playback,

the operating system aims to handle vehicle-specific functions such as controlling the air conditioning 49d03d4a87

At its core, the operating system is known as the Android Open Source Project (AOSP), was originally only made for a smartphone, and is free and open-source software (FOSS) primarily licensed under the Apache License. However, most devices run the proprietary Android open-core version developed by Google, which ships with additional proprietary closed-source software pre-installed, most notably Google Mobile Services (GMS), which includes core apps such as Google Chrome, the digital distribution platform Google Play, and the associated Google Play Services development platform. Other Google services including Firebase Cloud Messaging, used for push notifications, are recommended for applications. While... 49d03d4a87

Android (robot) Historically, androids existed only in the domain of science fiction. An android is a humanoid robot or other artificial being, often made from a flesh-like material. Historically, androids existed only in the domain of science fiction and were frequently seen in film and television, but advances in robot technology have allowed the creation of similar robots in real life 49d03d4a87

Android Auto is part of the Open Automotive Alliance, a joint effort of 28 automobile manufacturers, with Nvidia as tech supplier, available in 36 countries. 49d03d4a87 These statues were originally located in front of Building 44, where the Android development team had its offices, before being moved to their present location a few blocks away next to the Google Visitor Center Beta. The area is open to Google employees and their guests, and visitors are encouraged to take photos. 49d03d4a87

Android Nougat Android Nougat (codenamed Android N during development) is the seventh major version and 14th version of the Android operating system. First released as an alpha test version on March 9, 2016, it was officially released on August 22, 2016, with Nexus devices being the first to receive the update. First released as Android Nougat (codenamed Android N during development) is the seventh major version and 14th version of the Android operating system 49d03d4a87

Android Auto Once an Android device is paired with the car's head unit, the system can mirror some apps on the Android Auto is a mobile app developed by Google to mirror features of a smartphone (or other Android device) on a car's dashboard information and entertainment head unit. car's dashboard information and entertainment head unit 49d03d4a87

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