

Learn Android Studio 3 Efficient Android App Development

Android Studio

preferred language for Android app development. Java is still supported, as is C++. Plugin Ecosystem and Extensibility Android Studio's architecture is designed

Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development. This is available for download on Windows, macOS and Linux based operating systems. It is a replacement for the Eclipse Android Development Tools (E-ADT) as the primary IDE for native (local) Android application development. Android Studio is licensed under the Apache license but it also ships with some SDK updates that are under a non-free license, making it not an open source software.

Android Studio was announced on May 16, 2013, at the Google I/O conference. It was in early access preview stage starting from version 0.1 in May 2013, then entered beta stage starting from version 0.8 which...

Android version history

recent exception has been Android 16 with its release in June 2025. The development of Android started in 2003 by Android, Inc., which was purchased

The version history of the Android mobile operating system began with the public release of its first beta on November 5, 2007. The first commercial version, Android 1.0, was released on September 23, 2008. The operating system has been developed by Google on a yearly schedule since at least 2011. New major releases are usually announced at Google I/O in May, along with beta testing, with the stable version

released to the public between August and October. The most recent exception has been Android 16 with its release in June 2025.

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

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.

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.

As of June 2025, 5.11% of Android devices (mobile & tablet) ran Android 10 (which has ceased receiving security updates in March...

List of Android apps by Google

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This is a list of mobile apps developed by Google for its Android operating system. All of these apps are available for free from the Google Play Store, although some may be incompatible with certain devices (even though they may still function from an APK file) and some apps are only available on Pixel and/or Nexus devices. Some of these apps may be pre-installed on some devices, depending upon the device manufacturer and the version of Android. A few, such as Gboard, are not supported on older versions of Android.

Android Donut

engine to allow any Android application to “speak” a string of text. Easier searching and the ability to view app screenshots in Android Market. Gallery,

Android 1.6 Donut is the fourth version of the open source Android mobile operating system developed by Google.

Among the more prominent features introduced with this update were added support for CDMA smartphones, additional screen sizes, a battery usage indicator, and a text-to-speech engine.

Android Developer Lab

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Android Developer Lab is a series of mobile software development-focused events around the world held annually by Google. They include bootcamps and technical sessions focused on Android and give participants an excellent chance to learn about the state of the Android platform, get hands-on with the latest version of the SDK, test applications on the latest sample Android devices, get questions answered by Google engineers from the Android team as well as meet other like-minded members of the local Android developer community.

Bootcamp is a hands-on training experience where Google engineers show attendees how to get started with Android development, from Android SDK installation to the creation of Android applications.

Technical Sessions are presentations where Google engineers speak about...

Grasshopper (mobile app)

smartphone apps for Android and iOS”. Business Insider. Retrieved 2022-09-20. “How Google’s Grasshopper app can help professionals learn to code for free”

Grasshopper was an app developed by Google that taught users to code with JavaScript. Available for IOS and Android operating systems, the program had aimed to teach with small "bite-size" coding lessons. The

program got harder as it progressed, and upon finishing the program, the user was given a certificate of completion. Assessments were not required to gain the certificate of completion Grasshopper mobile was released in 2017.

In March 2023, Google announced that Grasshopper would shut down on June 15, 2023.

Sound Amplifier

and above. Wallen, Jack (January 30, 2020). "How to use the Android Sound Amplifier app"; TechRepublic. Retrieved 2021-09-11. "With Sound Amplifier,

Sound Amplifier is an accessibility mobile application developed by Google for the Android operating system. It acts like a hearing aid using internet and artificial intelligence.

Google Play Services

by Google for installation on Android devices. It consists of background services and libraries for use by mobile apps running on the device. When it

Google Play Services is a proprietary software package produced by Google for installation on Android devices. It consists of background services and libraries for use by mobile apps running on the device. When it was introduced in 2012, it provided access to the Google+ APIs and OAuth 2.0. It expanded to cover a variety of Google services, allowing applications to communicate with the services through common means.

The package's services include location tracking and geofencing, single sign-on account services, user health and fitness tracking, payment processing, integrated advertising, and security scanning. Many apps on Android devices depend on the use of Google Play Services, and the package requires the user to use a Google Account and agree to Google's terms of service. Distributing...

List of Android TV devices

The following is a list of devices running the Android TV operating system developed by Google. Chromecast with Google TV (Google TV device) (discontinued)

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