Android

By

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What is it?

- Android is a software platform and operating system for mobile devices

- Android OS based on the Linux kernel

- Android developed by Google

Why that name?

- Android mean automaton in human form.
- In July 2005, Google acquired Android, Inc., a small startup company based in Palo Alto, CA

Feature

- Open Handset Alliance
- Open source
- Linux platform
- Applications are written using the Java programming language

Feature

- Handset layouts:
  - The platform is adaptable to larger, VGA, 2D graphics library, 3D graphics library based on OpenGL ES 1.0 specifications, and traditional Smartphone layouts.

Feature

- Storage
  - The Database Software SQLite is used for data storage purposes

- Connectivity
  - Android supports connectivity technologies including GSM/EDGE, CDMA, EV-DO, UMTS, Bluetooth, and Wi-Fi.

Feature

- Messaging
  - SMS and MMS are available forms of messaging including threaded text messaging

- Web browser
  - The web browser available in Android is based on the open-source WebKit application framewor

Feature

- Dalvik virtual machine
  - Software written in Java can be compiled into Dalvik byte codes and executed in the Dalvik virtual machine, which is a specialized VM implementation designed for mobile device use, although not technically a standard Java Virtual Machine.

Feature

- Media support
  - Android will support audio/video/still media formats such as MPEG-4, H.264, MP3, AAC, OGG, AMR, JPEG, PNG, GIF.

- Additional hardware support
  - Android can utilize video/still cameras, touch screens, GPS, accelerometers, and accelerated 3D graphics.

Feature

- Development environment
  - Includes a device emulator, tools for debugging, memory and performance profiling, a plugin for the Eclipse IDE
- Market

Products

- HTC Dream

How to get Android

- www.android.com

Thanks