



ANDROID TECHNOLOGY

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INTRODUCTION

WHAT IS ANDROID?

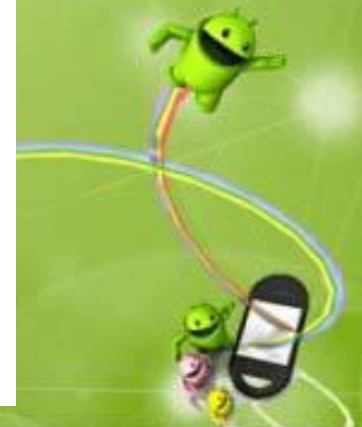
- A Software platform and operating system for mobile.
- Based on the Linux kernel.
- Android was found way back in 2003.
- It was developed in Palo Alto, California.
- Android was developed by the Andy Rubin, Rich Miner, Nick Sears and Chris White.
- Android was purchased by the GOOGLE in AUGUST,2005 for 50 million \$.



OPEN HANDSET ALLIANCE(OHA)

What is OHA?

- It's consortium of several companies.
- This group of companies are allowed to use source code of Android and develop applications.
- Reason for Nokia not to develop Android Mobiles is Nokia is not part of OHA.



FEATURES OF ANDROID

- ❑ Android is not a single piece of hardware.
- ❑ Android supports wireless communication using:-
 - ❖ 3G Networks
 - ❖ 4G Networks
 - ❖ 802.11 Wi-Fi Networks
 - ❖ Bluetooth Connectivity
- ❑ Android is a multi-process system, in which each application (and parts of the system) runs in its own process.



FEATURES OF ANDROID

- ❑ Interface that is better than the previous touch screen mobiles.
- ❑ User gets millions of applications that user can not get in any other mobile operating system.
- ❑ Android supports advanced audio/video/still media formats such as MPEG-4, H.264, MP3, and AAC, AMR, JPEG, PNG, GIF.
- ❑ Developing an android application is not tough using SDK(standard development kit) and java emulator we can easily develop applications that we want.



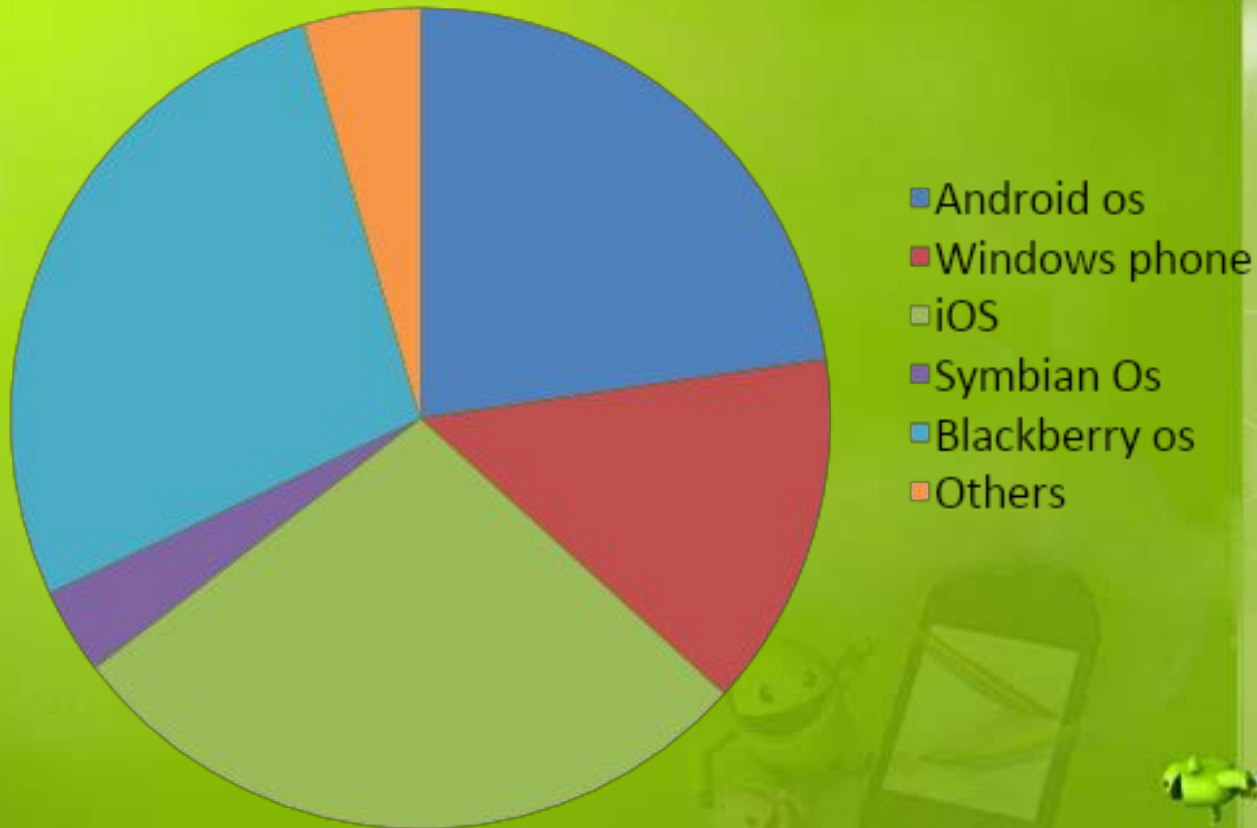
COMPARISON WITH OTHER OPERATING SYSTEMS

- Other than Android there are several other mobile operating system which is used.
- Symbian, iOS, windows this are one of the most used mobile operating systems.










SALES COMPARISON OF OS:-

Sales

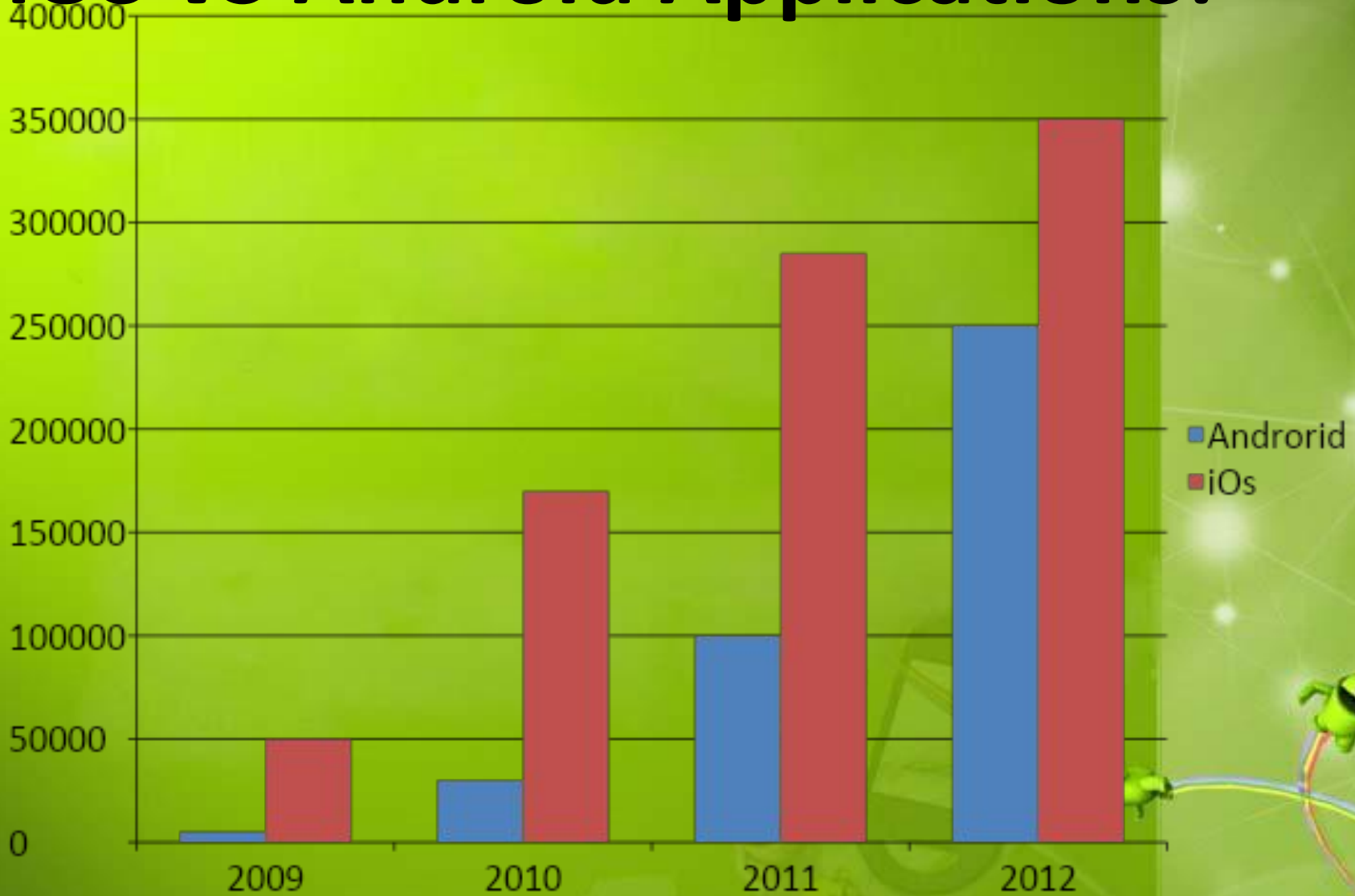




FEATURE	ANDROID	iOS
Ease of use		
Voice to text		
Gaming		
Customizable		
Music Player		
Notification system		
Google voice		



iOS vS Android Applications:-



VERSIONS OF ANDROID



□ Android Beta

- ✓ First Version of Android.
- ✓ The focus of Android beta is testing incorporating usability.
- ✓ Android beta will generally have many more problems on speed and performance.

□ Android Astro 1.0

- ✓ First full version of android.
- ✓ Released on [September 23, 2008.](#)
- ✓ Wi-Fi and Bluetooth support.
- ✓ Quite slow in operating.
- ✓ copy and paste feature in the web browser is not present.



☐ Android Cupcake 1.5

- ✓ Released on [April 30, 2009](#).
- ✓ Added auto-rotation option.
- ✓ Copy and Paste feature added in the web browser.
- ✓ Increased speed and performance but not upto required level.



☐ Android Donut 1.6

- ✓ Released on [September 15, 2009](#).
- ✓ Voice search and Search box were added.
- ✓ Faster OS boot times and fast web browsing experience.
- ✓ Typing is quite slower.



☐ Android Éclair 2.0/2.1

- ✓ Released on [October 26, 2009](#).
- ✓ Bluetooth 2.1 support.
- ✓ Improved typing speed on virtual keyboard, with smarter dictionary.
- ✓ no Adobe flash media support.



☐ Android Froyo 2.2

- ✓ Released on **May 20, 2010.**
- ✓ Support for Adobe Flash 10.1
- ✓ Improved Application launcher with better browser
- ✓ No internet calling.



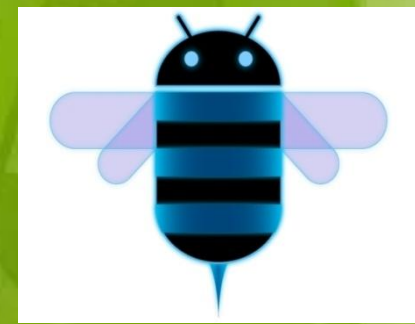
☐ Android Gingerbread 2.3

- ✓ Released on **December 6, 2010.**
- ✓ Updated User Interface with high efficiency and speed
- ✓ Internet calling
- ✓ One touch word selection and copy/paste.
- ✓ New keyboard for faster word input.
- ✓ More successful version of Android than previous versions.
- ✓ not supports multi-core processors.



☐ Android Honeycomb 3.0

- ✓ Released on **February 22, 2011.**
- ✓ Support for multi-core processors
- ✓ Ability to encrypt all user data.
- ✓ This version of android is only available for tablets.



□ Android IceCreamSandwich(ICS) 4.0

- ✓ Released on **November 14, 2011.**
- ✓ Virtual button in the UI.
- ✓ A new typeface family for the UI, Roboto.
- ✓ Ability to shut down apps that are using data in the background.



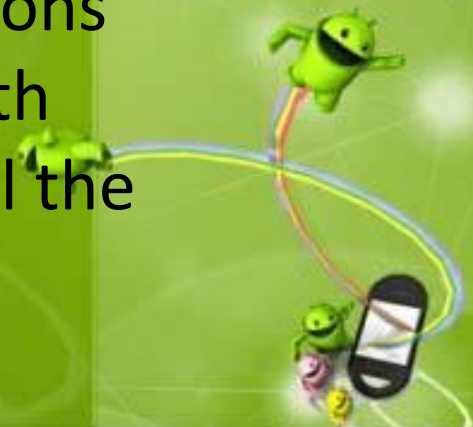
□ Android JellyBean 4.1

- ✓ Released on **June 27, 2012.**
- ✓ Latest version of Android.
- ✓ Smoother user interface.



LIMITATIONS:-

- Making source code available to everyone inevitably invites the attention of hackers.
- Android operating system uses more amount of battery as compared to normal mobile phones.
- As there are so many user sometimes it becomes difficult to connect all the users.
- As we call Android is world of applications we continuously need to connected with the internet which is not possible for all the users.



CONCLUSION AND FUTURE SCOPE:-

- Android is now stepping up in next level of mobile internet.
- There are chances of Android Mobile sales becomes more than iPhone in next two years.
- Google may launch another version of android that starts K because Google is launching all the android versions in the alphabetical order.
- There are chances of Android may become the widely used operating system in world.



**ANY QUESTIONS:-
PLEASE GO TO
WWW.GOOGLE.COM**

