



ANDROID

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made under the guidance of pranav narulkar sir

History of Android

Android 1.0 was released on this day ten years ago and it is getting smarter and better with its every release. Being the widest used Operating System (42 across platforms) in the world Google is coming up with its newer version of the Androids . Each and every year google launches newer and better versions of Android, which has better performance than previous Android versions. Better performance, better quality, easy compatibility, faster performance is the key for better Android versions.

Versions of Android

ANDROID was founded by Palo Alto, California in October 2003 by Andy Rubin, Rich Miners, Nick Spears and Chris White who worked at *Google* to develop android.

Now, looking at the Android versions history. The Android versions are named alphabetically from the third version onwards and it is always named after deserts.

Sr.No	Year	Name of Android	Version
1	2008	Alpha	1.0
2	2008	Petit Four	1.1
3	2009	Cupcake	1.5
4	2009	Donut	1.6
5	2009	Ecliar	2.0
6	2010	Froyo	2.1
7	2010	Gingerbread	2.2
8	2011	Honeycomb	3.0
9	2011	Ice-Cream	4.0
10	2012	Jelly Bean	4.1
11	2013	Kitkat	4.4
12	2014	Lollipop	5.0
13	2015	Marshmellow	6.0
14	2016	Nougat	7.0
15	2017	Oreo	8.0
16	2018	Pie	9.0



Figure: android versions

- **ANDROID CUPCAKE 1.5**

- Released on April 30,2009.
- Added Auto Rotation Option.
- Copy and Paste feature added in web browser.
- Increased speed and performance but not upto required level.

- **ANDROID DONUT 1.6**

- Released on September 15,2009
- Voice search and search Boxes were added.
- Faster OS boot times and faster web experience.
- Android Donut was Faster than Android Cupcake.

- **ANDROID ECLAIR 2.0/2.1**

- Released on October 26,2009.
- Bluetooth 2.0 support.
- Improved typing speed on virtual keyboard and smaller dictionary,
- No Adobe Flash media support.

- **ANDROID FROYO 2.2**

- Released on May20,2010.
- Adobe Flash 10.1 was introduced.
- Improved Application launcher with better browser.
- No Internet calling.

- **ANDROID GINGERBREAD 2.3**

- Released on December 6,2010.
- Updated high efficiency and speed
- Internet calling.
- One touch app selection and internet calling.

- **ANDROID HONEYCOMB 3.0**

- Released on February 22,2011
- Supports multicore processors.
- Ability to encrypt all user data.
- This version of Android was only available on Tablets.

- **ANDROID ICE-CREAM SANDWITCH(ICS) 4.0**

- Release don November20, 2011.
- Virtual Button in the UI.
- A new type face family for UI,Roboto.
- Ability to shutdown app that are using data in the background.

- **ANDROID JELLYBEAN 4.1**

- Released on June 27,2010.
- Improved the features of previous Android Version by improving Graphics quality
- Smoother user interface

- **ANDROID KITKAT 4.4**

- Released on 31 October 2003.
- Wireless Printing feature was added
- Navigation and status bar were added.

- **ANDROID LOLLIPOP 5.1**

- Android lollipop was released on June,2014
- Wifi connectivity was improved.
- Better device protection
- Better sound profiles.

- **MARSHMELLOW 6.0**

- Released on 17, August 2015
- Android pay options were added.
- USB type C port were used to charge the phone
- Better system UI turner

- **NOUGAT 7.0**

- Released on 26, February 2016
- The key feature of Google Assistant were added
- Split screen was also added
- Notification information can be displayed on lock screen

- **OREO 8.0**

- Released on 22, January 2017
- Better public wifi connections with Oreo
- Picture in picture mode,improved multi-window
- Camera was improved

- **PIE 9.0**

- Released on 2.December 2018
- Indoor Navigation with Wifi RTT
- Do not Disturb mode is added
- Improved Security and speed.

Life cycle of Android operating system

APPLICATION LIFE CYCLE

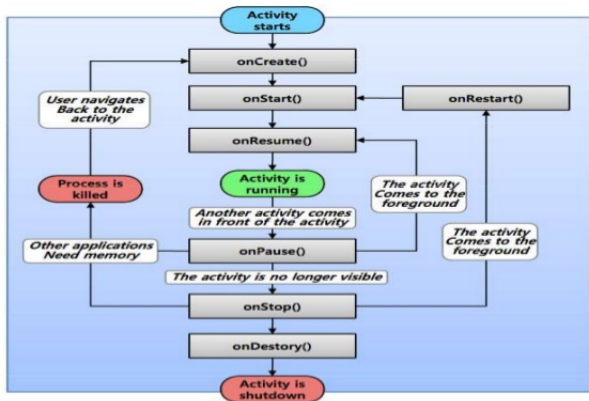


Figure: life cycle

Market sale for Android devices

Market Sales Rate for Smartphone devices

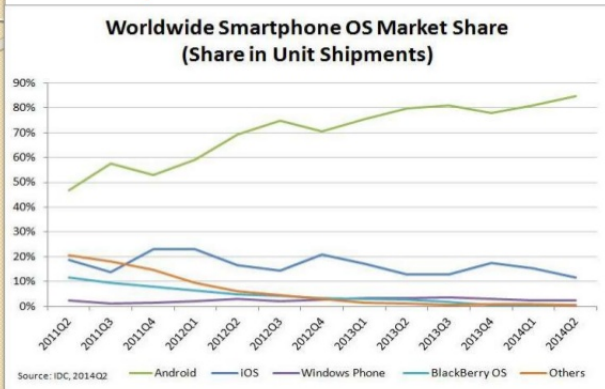


Figure: market sale



THANK YOU