

# Android Overview

Most of the material related to Android is adapted from  
<http://developer.android.com/>



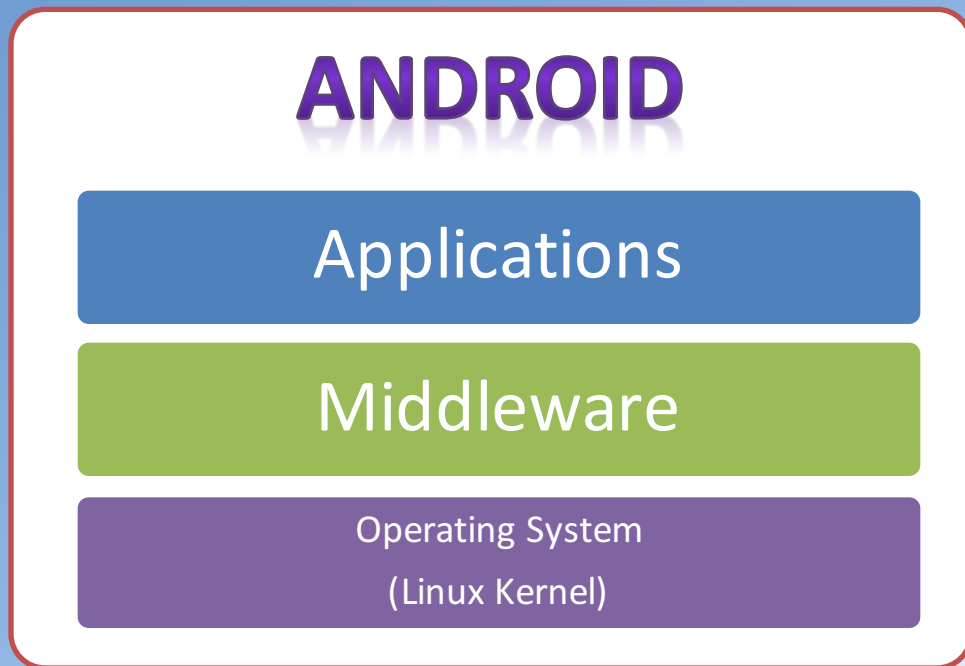
THE DEPARTMENT OF  
**COMPUTER SCIENCE & ENGINEERING**  
計算機科學及工程學系



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THE HONG KONG UNIVERSITY OF  
SCIENCE AND TECHNOLOGY

# Android Overview

- A software stack for mobile devices
- Developed and managed by Open Handset Alliance
- Open-sourced under Apache License



# Android Platform Versions

- Moving target, new platforms released regularly

Name	Version	API Level	Release Date	Linux Kernel
Base	1.0	1	Sep. 2008	
Base_1_1	1.1	2	Feb. 2009	
Cupcake	1.5	3	Apr. 2009	2.6.27
Donut	1.6	4	Sep.2009	2.6.29
Éclair	2.0		Oct. 2009	2.6.29
	2.1-update 1	7	Jan. 2010	2.6.29
Froyo	2.2	8	May 2010	2.6.32
Gingerbread	2.3/2.3.1/2.3.2	9	Dec. 2010	2.6.35
	2.3.3/2.3.4	10	Jul. 2011	2.6.35
Honeycomb	3.0.x	11	Feb. 2011	2.6.36
	3.1.x	12	May 2011	
	3.2.x	13	Jul. 2011	

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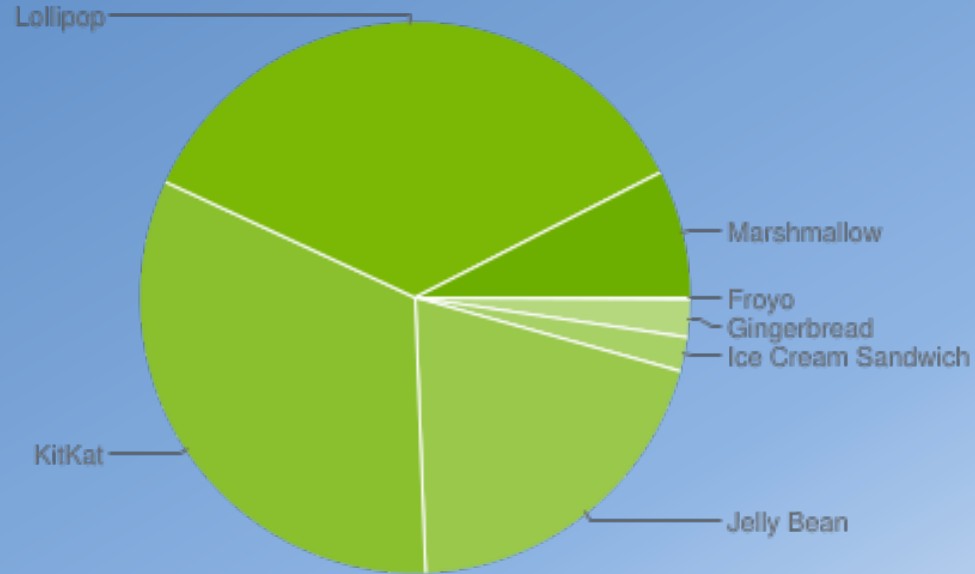
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Name	Version	API Level	Release Date	Linux Kernel
Ice Cream Sandwich	4.0/4.0.1/4.0.2	14	Dec. 2011	3.0.1
	4.0.3/4.0.4	15	Jan. 2012	
Jelly Bean	4.1	16	Jun. 2012	3.0.31
	4.2/4.2.1/4.2.2	17	Nov. 2012	3.4.0
	4.3.x	18	Jul. 2013	3.4.39
KitKat	4.4	19	Oct. 2013	3.8
	4.4.1/4.4.2	19	Dec. 2013	3.10
	4.4.3/4.4.4	19	Jun. 2014	
KitKat (wearables)	4.4W.2	20	Jun./Oct. 2014	
Lollipop	5.0/5.0.1	21	Nov./Dec. 2014	3.16.1
	5.1/5.1.1	22	Mar./Apr. 2015	
Marshmallow	6.0/6.0.1	23	Oct./Dec. 2015	3.18.10



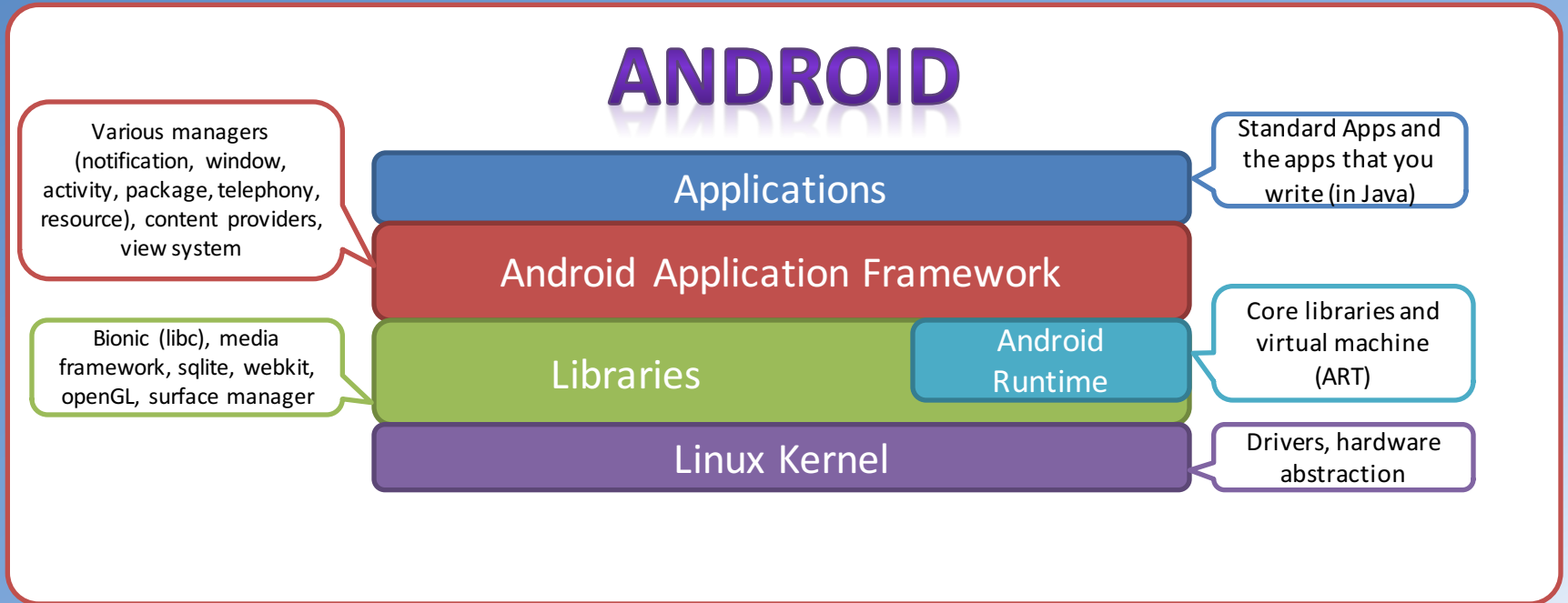
# Android Platform Versions

as of May. 02, 2016



[https://developer.android.com/about/dashboards/index.html?utm\\_source=suzunone](https://developer.android.com/about/dashboards/index.html?utm_source=suzunone)

# Android Architecture



# First Hands-on Exercise

- Enough of theory for now!
- Fire up your Android Studio and let's do our first hands-on exercise
  - Hello World!