Android Studio

Android Studio由来



Android Studio

- 2013.5.16
- ・ I/O大会
- Google
- 基于IntelliJ IDEA
- 集成的 Android 开发工具

Android Studio发展



为什么要使用Android Studio

- ▶ 继承了IntelliJ IDEA的所有功能
- ➢ 专门用于Android开发
- > Google停止了对Eclipse Android开发支持
- > 功能更强大

Android Studio下载及安装

下载地址:www.androiddevtools.cn/

Aådro	dDev T o	S Android Si	DK工具 And	ndroid 开发工具 指南 教程 设计工具 书 福利 好基友们 捐赠	¢
3.0.1正		ide-171.4443003- windows32.zip	738 MB	cd644af01126a9d8cf372ada1f520579d443946e5cfa99e42234d539db59f842 查	看
LORIX	Mac OS X	android-studio- ide-171.4443003-mac.dmg	738 MB	c4e0e3da447f4517128ee1a767ed130721fd2c0e0a1b311ce7dbc05766dcd221	
	Linux	android-studio- ide-171.4443003-linux.zip	737 MB	ad7110ed2ffc662b7a13efa5064390c8e8e74815d8c688351bd8829331852acf	
		android-studio-bundle- 171.4408382-windows.exe	681 MB	627d7f346bf4825a405a9b99123e7e92d0988dc6f4912552511e3685764a0044	
3.0 正式	Windows	android-studio- ide-171.4408382- windows32.zip	736 MB	29399953024b0b4c72df62e94e0850c20b623b887e67bbfce713acb7baed8740 查	看
hix	Mac OS X	android-studio- ide-171.4408382-mac.dmg	731 MB	f6c455fb1778b3949e4870ddb701498bd27351c072e84f4328bd49986c4ab212	
	Linux	android-studio- ide-171.4408382-linux.zip	735 MB	7991f95ea1b6c55645a3fc48f1534d4135501a07b9d92dd83672f936d9a9d7a2	
		android-studio-bundle- 162.3934792-windows.exe	1.85 GB	9d787c0cf453e40ad1b0621f0e5a9653270dcc22a58fa7c9fab2223531c83a41	
2.3.2	Windows	android-studio- ide-162.3934792- windows32.zip	438.23 MB	67098fdd64d257c2aa98db29af8a6341fa787d9d0b37c8ea06eb5ec00dc51986 查	看



第一次进入工具:

- Do not import setting
- Cancel
- Next->SDK的配置





SDK的配置

1. SDK路径引入

2. 下载SDK

3. 配置路径



droid Studio Setup Wizard	
Verify Settings	
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i you want to review or change an	y or your installation settings, circle revious.
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SDK Components to Download	
	147 MB
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A 1 TERMONAL TELES	62.7 MB
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Android SDK Platform-Tools	
Android SDK Platform 27 Android SDK Platform-Tools Android SDK Tools	9.31 MB 149 MB
Android SDK Platform 27 Android SDK Platform-Tools Android SDK Tools Android Support Repository	9.31 MB 149 MB 339 MB
Android SDK Platform 27 Android SDK Platform-Tools Android SDK Tools Android Support Repository Google Repository	9.31 MB 149 MB 339 MB 205 MB

创建Android工程(一)

- 第一次: Start a new Android Studio Project
- 以后:New Project



👳 ImoocApplication - [C:\Users\Para_Huang\AndroidStudioProjects\ImoocApplication] - Ma

<u>File Edit View Navigate Code Analyze</u>	<u>Refactor</u> Build Run Tools VC <u>S</u> Window
New 🕨	New Project
늘 Open	Import Project
🚰 Profile or Debug APK	Project from Version Control
Open <u>R</u> ecent	New Module
Close Project	Import Module
Settings Ctrl+Alt+S	Import Sample
Project Structure Ctrl+Alt+Shift+S	Scratch File Ctrl+Alt+Shift+Insert
Other Settings	179
Import Settings	190
Export Settings	180
Export to Zip File	181
lal o All	182
El Save All Ctrl+S	183
Invalidate Caches / Restart	103
	184
'⊡' <u>P</u> rint	185 }
Power Save Mode	186 re
Exit	
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创建Android工程(二)

- sdk的选择
- Activity、layout的创建

🕭 Create Nev	/ Project				Х
R	Create Android Project				
	Application name				
	My Application				
	<u>C</u> ompany domain				
	para_huang.example.com				
	Project location				
	$\label{eq:c:Users} \fbox{Para_Huang}\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $				
	Package name				
	com.example.para_huang.myapplication			Edit	
	Include C++ support				
	☐ Include Kotlin support				
		Previous	Next	Cancel	Finish

创建Module

New Module.....

👳 ImoocApplication - [C:\Users\Para_Huang	\\AndroidStudioProjects\ImoocApplication] - [
<u>File</u> <u>E</u> dit <u>V</u> iew <u>N</u> avigate <u>C</u> ode Analy <u>z</u> e	<u>Refactor Build Run Tools VCS Windo</u>
New	New Project
늘 Open	Import Project
Profile or Debug APK	Project from Version Control
Open <u>R</u> ecent ▶	New Module
Close Project	Import Module
Link C++ Project with Gradle	Import Sample
Settings Ctrl+Alt+S	Java Class
Project Structure Ctrl+Alt+Shift+S	責 Kotlin File/Class
Other Settings	🖶 Android resource file
Import Settings	Android resource directory
Export Settings	Sample Data directory
Export octangen	= File



运行Module

- 选择Module->运行
- 右键Module->run 'MainActivity'



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💽 build.gradle	Show	w in Explore			
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Gradle build finished in	1 9s 5991 🎬 Com	pare With		Ctrl+D	
		pare File wit	h Editor		
	Crea	ite Gist			



New->Import Module->选择module路径



👳 Import module fro	om source	×
	ort Module from Source	
Source directory:	E:\Android\IMOOCDemo\getdatafromsystemdemo	
Module name:	stdatafromsystemdemo	
	Previous Next Cancel Finish]

project与module

工具	工作区间	工程
eclipse	workspace	project
android studio	project	module

删除Module

open Module Setting(F4)

Project Structure			>
+ -	Properties Signing Flavor	s Build Types Dependencies	
SDK Lucation Projec Developer Servi Ads Auther scation Notifications Modules	Compile Sdk Version API Build Tools Version I Library Repository I Ignore Assets Pattern I Incremental Dex Source Compatibility Target Compatibility	26; Android 8.0 (Oreo)	
			ок

Gradle

- Android 主流的编译工具
- 项目: setting.gradle、build.gradle
- Module : build.gradle

Gradle中的部分配置

- minSdkVersion : 最小API level
- compileSdkVersion : 编译的SDK版本
- targetSdkVersion:目标版本
- dependencies: 依赖配置, 依赖的库

创建模拟器

AVD Manager



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常见问题——导入项目版本兼容问题

1. 项目的build.gradle

dependencies {

classpath 'com.android.tools.build:gradle:3.0.1'

- 2. gradle-wrapper.properties
 - 在项目\gradle\wrapper\

distributionUrl=https\://services.gradle.org/distributions/gradle-4.1-all.zip

3. module中的build.gradle文件

常见问题——gradle更新问题

- Error:Unable to tunnel through proxy. Proxy returns "HTTP/1.1 400 Bad Request"
- gradle一直处于更新状态
- Gradle project sync failed......

常见问题——中文乱码问题

- settings->File Encodings
 - **≻IDE Encoding**
 - >Project Encoding

>File or Director Encoding和Property File Encoding

- 单个java右键File Encoding
- Module的gradle中添加:

>compileOption.encoding="GBK"