Tutorial de configuração do ambiente de desenvolvimento Android com Eclipse

DOWNLOAD DO ECLIPSE

Baixe a versão Neon do eclipse em: http://www.eclipse.org/neon/

DOWNLOAD DO JDK

Baixe o JDK 8u91 em: http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html

- Role a página para baixo até encontrar a seguinte tabela
- Marque a opção "Accept License Agreement"
- Clique no link: "jdk-8u91-windows-x64.exe" (caso seu PC seja 64 bits)
 Ou em: "jdk-8u91-windows-i586.exe" (caso seu PC seja 32 bits)

JDK 8u91 Checksum JDK 8u92 Checksum

Java SE De You must accept the Oracle Binary Co	evelopme de License Ag software. reement ()	nt Kit 8u91 reement for Java SE to download this Decline License Agreement
Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.72 MB	jdk-8u91-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.69 MB	jdk-8u91-linux-arm64-vfp-hflt.tar.gz
Linux x86	154.74 MB	jdk-8u91-linux-i586.rpm
Linux x86	174.92 MB	jdk-8u91-linux-i586.tar.gz
Linux x64	152.74 MB	jdk-8u91-linux-x64.rpm
Linux x64	172.97 MB	jdk-8u91-linux-x64.tar.gz
Mac OS X	227.29 MB	jdk-8u91-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	139.59 MB	jdk-8u91-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	98.95 MB	jdk-8u91-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	140.29 MB	jdk-8u91-solaris-x64.tar.Z
Solaris x64	96.78 MB	jdk-8u91-solaris-x64.tar.gz
Windows x86	182.29 MB	jdk-8u91-windows-i586.exe
Windows x64	187.4 MB	jdk-8u91-windows-x64.exe
		-

DOWNLOAD DO ANDROID SDK

Baixe o Android SDK em: https://developer.android.com/studio/index.html#downloads

- Role para baixo até encontrar a seguinte tabela
- Clique no link: "installer_r24.4.1-windows.exe"

Get just the command line tools

If you do not need Android Studio, you can download the basic Android command line tools below.

Platform	SDK tools package	Size	SHA-1 checksum
Windows	installer_r24.4.1-windows.exe	144 MB (151659917 bytes)	f9b59d72413649d31e633207e31f456443e7ea0b
	android-sdk_r24.4.1-windows.zip No installer	190 MB (199701062 bytes)	66b6a6433053c152b22bf8cab19c0f3fef4eba49
Mac OS X	android-sdk_r24.4.1-macosx.zip	98 MB (102781947 bytes)	85a9cccb0b1f9e6f1f616335c5f07107553840cd
Linux	android-sdk_r24.4.1-linux.tgz	311 MB (326412652 bytes)	725bb360f0f7d04eaccff5a2d57abdd49061326d

Also see the SDK tools release notes.

- Marque o checkbox
- Clique no botão de download

Before downloading, you must agree to the following terms and conditions.	Download the Command Line Tools			×
Terms and Conditions	Before downloading, you must agree to the following terms and conditions.			
	Terms and Conditions	,		
This is the Android Software Development Kit License Agreement	This is the Android Software Development Kit License Agreement			
1. Introduction	1. Introduction			
1.1 The Android Software Development Kit (referred to in the License Agreement as the "SDK" and specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed to you subject to the terms of the License Agreement. The License Agreement forms a legally binding contract between you and Google in relation to your use of the SDK.	1.1 The Android Software Development Kit (referred to in the License Agreement as the "SDK" and specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed to you subject to the te of the License Agreement. The License Agreement forms a legally binding contract between you and Google in relation to your use of the SDK.	rms		
1.2 "Android" means the Android software stack for devices, as made available under the Android Open Source Project, which is located at the following URL: http://source.android.com/, as updated from time to time.	1.2 "Android" means the Android software stack for devices, as made available under the Android Open Source Project, which is located at the following URL: http://source.android.com/, as updated from time to time.			
□ I have read and agree with the above terms and conditions	□ I have read and agree with the above terms and conditions		_	

INSTALE O JDK

Siga os passos a seguir:

👹 Java SE Development Kit 8 Update 91 (64-bit) - Setup 🛛 🗙 🗙	😸 Java SE Development Kit 8 Update 91 (64-bit) - Custom Setup 🛛 🗙
Java E Java	Java E Java
Welcome to the Installation Wizard for Java SE Development Kit 8 Update 91	Select optional features to install from the list below. You can change your choice of features after installation by using the Add/Remove Programs utility in the Control Panel
This wizard will guide you through the installation process for the Java SE Development Kit 8 Update 91.	Feature Description Java SE Development Kit 8 Update 91 (64-bit) including the Java WRSDN, a private RFE, and the Java Mission Control Itools sufficient. This will require 180MB on your hard drive.
The Java Mission Control profiling and diagnostics tools suite is now available as part of the JDK.	[] Install to: C:\Program Files\Java\jdk1.8.0_91\
Next > Cancel	< Back Next > Cancel
Instalação do Java - Pasta de Destino — 🗌 🗙	👹 Java SE Development Kit 8 Update 91 (64-bit) - Complete 🛛 🗙
Java Binace	
Pasta de Destino	Java SE Development Kit 8 Update 91 (64-bit) Successfully Installed
Clique em "Alterar" para instalar o Java em outra pasta.	
Instalar em: C:\Program Files\Java\jre1.8.0_91	Click Next Steps to access tutorials, API documentation, developer guides, release notes and more to help you get started with the JDK.
~	<u>N</u> ext Steps
< Voltar Próximo >	Class

INSTALE O SDK

Na tela para escolher o local de destino, clique no botão "Browse..."

Crie uma pasta chamada "androidSDK" no disco local C



Na última tela desmarque o checkbox "Start SDK Manager" e clique em finish



INSTALE O ECLIPSE

No instalador do Eclipse, escolha a opção: "Eclipse IDE for Java Developers".

Depois clique no botão de instalação.



Terminada a instalação, clique em "Launch", isso irá abrir o Eclipse.

eclipseins	staller by Domph	×
Eclipse The esser Editor, M	IDE for Java Developers Itial tools for any Java developer, including a Java IDE, a Git client, X lyn, Maven and Gradle Integration.	ML
Installation Folder	C:\Program Files\java-neon	b
	 create start menu entry create desktop shortcut 	
	► LAUNCH	
	show readme file	
	open in system explorer	
🗸 ВАСК	keep installer	

Na nova tela clique no botão "<u>B</u>rowse…" e crie a pasta "workspaceAndroid" na pasta "Documentos"

Marque o checkbox "Use this as the default and do not ask again", depois clique em OK

Eclipse Launcher		>
lect a directory as workspace		
clipse uses the workspace directory to store its preferences and de	evelopment artifact	
Workspace: C:\Users\Marcelo Júnior\workspace	~	Browse
L		
Use this as the default and do not ask again		
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elect Workspace Directory X		
Colort the medianeses the strengthe sec		
Select the workspace directory to use.		
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Modelos Personalizados do Office		
NetBeansProjects		
workspaceAndroid		
Workspace-individ		
Pasta: WorkspaceAndroid		
Char Nova Pasta OK Cancelar		

CONFIGURANDO O ANDROID NO ECLIPSE

Escolha o menu: Help > Install New Software...



Clique em "Add ... "

Na caixa que aparece, digite "Android" no campo "Name:" e cole o endereço "https://dl-ssl.google.com/android/eclipse/" no campo "Location", como segue:

🖨 Add Re	epository	×
<u>N</u> ame:	Android	L <u>o</u> cal
Location:	https://dl-ssl.google.com/android/eclipse/	<u>A</u> rchive
?	ОК	Cancel

Marque o checkbox "Developer Tools" e clique em "Next >"

🖨 Install			□ ×
Available Software Check the items that you wish to install.			
Work with: Android - https://dl-ssl.google.com/android/eclipse/	Find more software by working with the <u>"Available Sof</u>	→ itware Site	<u>A</u> dd s" preferences.
type filter text			
Name Developer Tools	Version		
Select All Deselect All 6 items selected			
Details			Å
Show only the latest versions of available software	✓ Hide items that are already installed		
Group items by category	What is <u>already installed</u> ?		
Show only software applicable to target environment Ontact all update sites during install to find required software			
(?)	< <u>B</u> ack <u>Next ></u> <u>F</u> inish		Cancel

Install		- C) ×	C Install	X
Install Details Review the items to be installed.		(Review Licenses Licenses must be reviewed and accepted before the software can be installed.) II.
Name	Version	Id		Licenses:	License text:
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Size: Unknown					control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the
Details			~ ~	ε	direction or management of such entity, whether by contact or otherwise, or (i) overhigh of thy specific (200) or more of the otherwise of the specific of the specific of averhight of such entity. If a coeffic the sense of the Sense agreements () I go not accept the terms of the Icense agreements
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Em "Next >" novamente, e depois aceite os termos da licença e depois "Finish"

Se aparecer a seguinte mensagem de aviso, pode clicar em "OK"



Quando aparecer a mensagem pedindo para reiniciar o Eclipse, clique em "Yes"



Depois que reiniciar o eclipse, acesse o menu: Window > Preferences



Na nova tela, no lado esquerdo, selecione "Android", clique em "Browse..." e localize a pasta "androidSDK" no disco local C

Preferences			- 0	×	Procurar Pasta	×
type filter text > General > Android Android Emulator > Ant > C/C++ > Code Recommenders > Data Management > Help > Install/Update > Java > Maven Memory Analyzer > Mylyn > Oomph > Plug-in Development > Run/Debug > Team Validation > XML	Could not find folder Android Preferences SDK Location: Interferences SDK Location: Target Name Android 4.2.2 Android 4.3.1 Google APIs Android 4.4.2 Google APIs Android 4.4.2 Google APIs Android 0.0 Android N (Preview)	'tools' inside SDK 'C.\'. yets below is only reloaded once yo Vendor Android Open Source Project Android Open Source Project Google Inc. Android Open Source Project Android Open Source Project Android Open Source Project	Brr u hit 'Apply' Platform 4.2.2 4.3.1 4.4.2 4.4.2 6.0 N	C V V C V V C V V C V C V C V C V	 Vídeos Disco Local (C:) Android Android_Studio androidSDK add-ons platforms tools android-sdk Arquivos de Programas Arquivos de Programas (x86) EasyPHP-16.1 eclipse flexim 	
		Restore Defa	ults A	pply	Pasta: androidSDK	~
? 🖲		OK	Ca	ncel	Criar Nova Pasta OK Cance	elar :

Clique em "OK" nas duas telas...

Acesse o menu: Window > Android SDK Manager

🖨 w	orkspa	ceAndroid ·	- Java - Eclij	pse						
File	Edit	Refactor	Navigate	Search	Project	Run	Win	dow	Help	
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			C.	C/C+	+ Deve	elopn		And	roid SDK Manager	
				Get fa	miliar w	ith the		And	roid Virtual Device Manager	
								Run	Android Lint	>
			-	Work	hanch	bacic		Pref	erences	

O Android SDK Manager irá carregar as bibliotecas

Name	API	Rev.	Status	
Tools		24.4.1	🚔 Hardata available and 25.1.7	
Android SDK Rotform tools		24.4.1	Mot installed	
Android SDK Puild-tools		24	Not installed	
Android SDK Build-tools		22.0.2	Not installed	
Android SDK Build-tools		22.0.2	Not installed	
Android SDK Build-tools		23.0.2	Not installed	
Android SDK Build-tools		22.0.1	Not installed	
Android SDK Build-tools		2112	Not installed	
Android SDK Build-tools		20	Not installed	
Android SDK Build-tools		10.1	Not installed	
Tools (Preview Channel)		1211		
Android SDK Tools		25.1.7	Not installed	
		24-2	C Mark land all all	

Na pasta "Tools", deixe marcado como segue:

	^
e available: rev. 25.1.7	
stalled	
	¥
Install 4 packag	ges
Delete 1 packa	ige
	Install 4 packag Delete 1 packa

Minimize todas as versões do android e deixe marcado como segue:

Android SDK Manager				-		×
SDK Path: C:\androidSDK						
Packages			1			_
i∰i Name	API	Rev.	Status			^
> 🗋 🦲 Tools						
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🗸 🗌 🧰 Extras						
GDII Debugging tools		21	Not installer	4		
Show: Updates/New Installed Select New or Updates				Install 41	package	s
Obsolete Deselect All				Delete 1	package	····
Done loading packages.) - : W

Na pasta "Extras" deixe marcado como segue e depois clique no botão de instalação

Name	API	Rev.	Status	
Android 2.2 (API 8)				
Android 2.1 (API 7)				
Extras				
		3.1	Not installed	
🗌 🔂 GPU Debugging tools		1.0.3	Not installed	
🗌 💼 Android Support Repository		33	Not installed	
🔲 💼 Android Auto Desktop Head Unit emulator		1.1	Not installed	
🗌 💼 Google Play services		31	Not installed	
🗌 💼 Google Repository		29	Not installed	
🔲 🛅 Google Play APK Expansion library		1	Not installed	
🔲 👩 Google Play Licensing Library		1	Not installed	
🔲 👩 Google Play Billing Library		5	Not installed	
🔲 👩 Android Auto API Simulators		1	Not installed	
🔽 🔂 Google USB Driver		11	Not installed	
🗌 🔂 Google Web Driver		2	Not installed	
Intel x86 Emulator Accelerator (HAXM installer)		6.0.3	Not installed	

Aceite os termos de licença e clique em "Install"

Packages		Package Description & License	
Android Andr Andr Andr Andr SDK F SDK	SDK License AUX SUB Constraints of the second secon	Packages - Android SDK Tools, revision 25.1.7 - Android SDK Platform-tools, revision 24 - Android SDK Build-tools, revision 24 - SDK Platform Android 4.4W.2, API 20, revision 2 - SDK Platform Android 4.4.2, API 19, revision 4 - SDK Platform Android 4.3.1, API 18, revision 3 - SDK Platform Android 4.2.2, API 17, revision 3 - SDK Platform Android 4.1.2, API 16, revision 5 - SDK Platform Android 4.0.3, API 16, revision 5 - SDK Platform Android 4.0.4, API 14, revision 4 - Android Wear ARM EABI v7a System Image, Android API 20, revision 4 - Android Wear Intel x86 Atom System Image, Android API 20, revision 4 - ARM EABI v7a System Image, Android API 20, revision 21 - Google APIs ARM EABI v7a System Image, Android API 19, revision 21 - Google APIs Intel x86 Atom System Image, Android API 19, revision 21 - Google APIs Intel x86 Atom System Image, Android API 19, revision 21 - Google APIs Intel x86 Atom System Image, Android API 19, revision 20	* ense

CRIANDO PROJETO "helloWorld"

Acesse: File > New > Project



Selecione "Android Application Project" e clique em "Next >"

New Project	_		×
Select a wizard Create an Android Application Project			\$
Wizards:			
type filter text			
 > General ➤ Android Application Project Android Sample Project from Existing Code ☆ Android Sample Project y Android Test Project > ▷ C/C++ > ▷ Gradle > ▷ Java > ▷ Maven > ▷ Examples 			
(?) < <u>Back</u> <u>N</u> ext > <u>Einish</u>		Cance	ł

Preencha os campos como segue:

Application Name: helloWorld

Project Name: helloWorld

Package Name: com.teste.helloworld

Minimum Required SDK: API 14...

Target SDK: API 17...

Compile With: API 17...

Theme: Holo Light with Dark Action Bar

E clique em "Next >"

Application Name:4	helloWorld			
Project Name:	helloWorld			
Package Name:	com.teste.helloworld			
Minimum Required SDK:0	API 14: Android 4.0 (IceCreamSandwich)	\sim		
Target SDK:	API 17: Android 4.2 (Jelly Bean)	~		
Compile With:	API 17: Android 4.2 (Jelly Bean)	~		
Theme:6	Holo Light with Dark Action Bar	~		
Choose the highest A that you have tested to maintain your app older versions (down	PI level that the application is known to work with. This attri against the target version and the system should not enable s forward-compatibility with the target version. The applica to minSdkVersion). Your application may look dated if you a	ibute inforr any compa tion is still are not targ	ns the sys itibility be able to run eting the o	tem hav n or curr

Deixe esta tela como está e clique em "Next >"

New Android Application	_		×
New Android Application Configure Project		(0
☐ Create custom launcher icon ☐ Create activity			
Mark this project as a library			
Create Project in Workspace			
Location: C:\Users\Marcelo Júnior\Documents\workspaceAndroid\helloWorld		В	rowse
Working sets			
Add projec <u>t</u> to working sets		Ne <u>w</u>	
W <u>o</u> rking sets:	\sim	S <u>e</u> lect	
? < <u>Back</u> <u>Next</u> > Einis	h	Car	icel

Agora pesquise na internet por uma imagem do planeta, esse será o ícone de nossa aplicação.

Clique no botão "Browse..." e localize a imagem do planeta que acabou de baixar e clique em "Next >"



Estas telas deixe como estão e clique em "Next >" e a próxima clique em "Finish"

New Android Application		X SNew Android Application		– 🗆 X
Select whether to create an activity, and if so, what kind of activity.	ę	Creates a new blank activity with an	action bar.	()
Create Activity Creates a new blank activity with an action bar. Creates a new blank activity with an action bar.	(Activity Name® MainActivity Layout Name® activity_main	este	
(?) < Back Next >	Einish Cancel	(?)	< Back Next >	<u>F</u> inish Cancel

Esta deve ser a tela inicial do Eclipse:

Clique no ícone do Android (apontado na figura), e escolha a API 17

Clique na opção "Nexus One" e escolha a opção: Generic > 3.7" WVGA...



Sua tela de edição deve ficar assim:



Conecte seu smartphone Android na porta USB do computador.

Depois clique com o botão direito do mouse sobre o nome do projeto, escolha a opção: Run As > 1 Android Application.



Seu "Hello World" deve aparecer no seu smartphone!