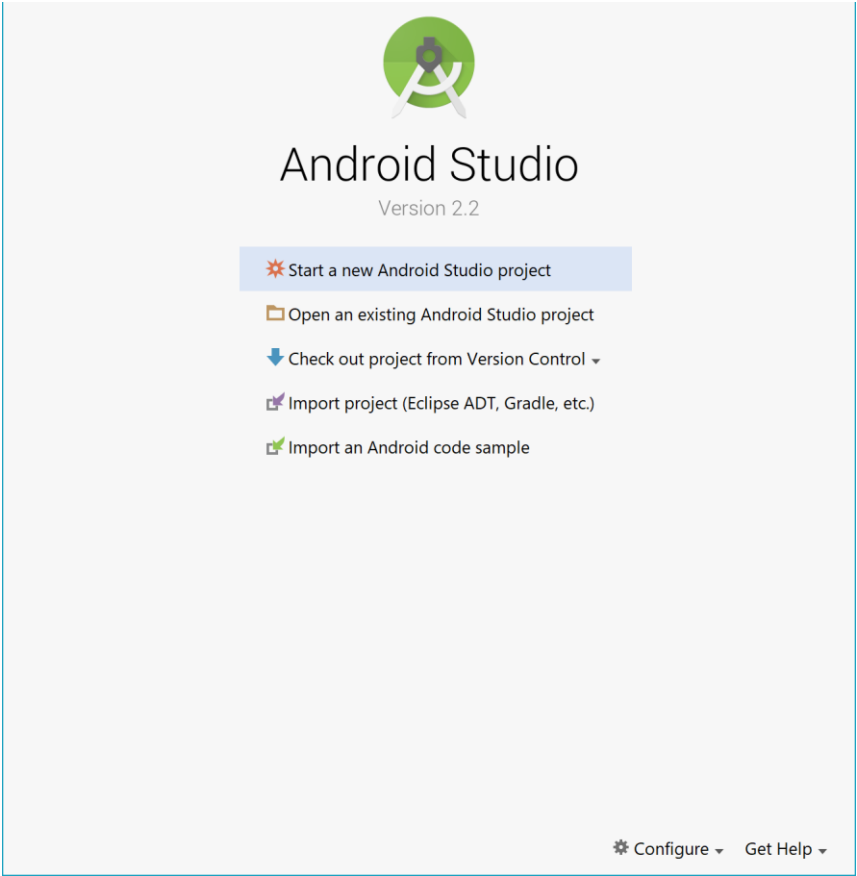



Creación de un emulador desde Android Studio



Crear una aplicación, por ejemplo un Hola a todos:



Create New Project

New Project  
Android Studio

Configure your new project

Application name:My Application

Company Domain:gustavomarquez.example.com

Package name:com.example.gustavomarquez.myapplication

Edit

☐ Include C++ Support

Project location:C:\Users\ProyectosAndroid\ProyectosEscuela\MyApplication


Previous

Next

Cancel

Finish

Create New Project

Target Android Devices

Select the form factors your app will run on

Different platforms may require separate SDKs

☒ Phone and Tablet

Minimum SDK

API 15: Android 4.0.3 (IceCreamSandwich)

API 15: Android 4.0.3 (IceCreamSandwich)

API 16: Android 4.1 (Jelly Bean)

API 17: Android 4.2 (Jelly Bean)

API 18: Android 4.3 (Jelly Bean)

API 19: Android 4.4 (KitKat)

API 21: Android 5.0 (Lollipop)

API 22: Android 5.1 (Lollipop)

API 23: Android 6.0 (Marshmallow)

☐ Wear

Minimum SDK

☐ TV

Minimum SDK

API 21: Android 5.0 (Lollipop)

☐ Android Auto

☐ Glass

Minimum SDK

Glass Development Kit Preview (API 19)


Previous

Next

Cancel

Finish

Create New Project

Target Android Devices

Select the form factors your app will run on

Different platforms may require separate SDKs

☒ Phone and Tablet

Minimum SDK

Lower API levels target more devices, but have fewer features. By targeting API 21 and later, your app will run on 50.8% of the devices that are active on the Google Play Store.  
[Help me choose](#) Stats load failed. \

☐ Wear

Minimum SDK

☐ TV

Minimum SDK

☐ Android Auto

☐ Glass (Not Available)

Minimum SDK


Previous


Next

Cancel

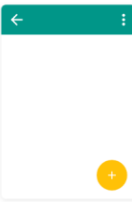
Finish

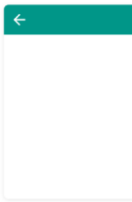
Create New Project


Add an Activity to Mobile

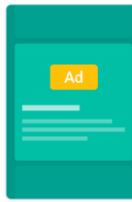


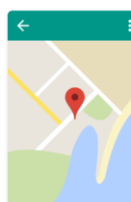
Add No Activity


Basic Activity


Empty Activity

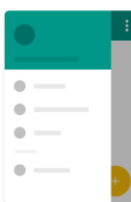
Fullscreen Activity

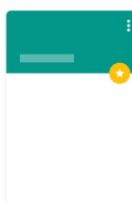
Google AdMob Ads Activity

Google Maps Activity

Login Activity

Master/Detail Flow

Navigation Drawer Activity

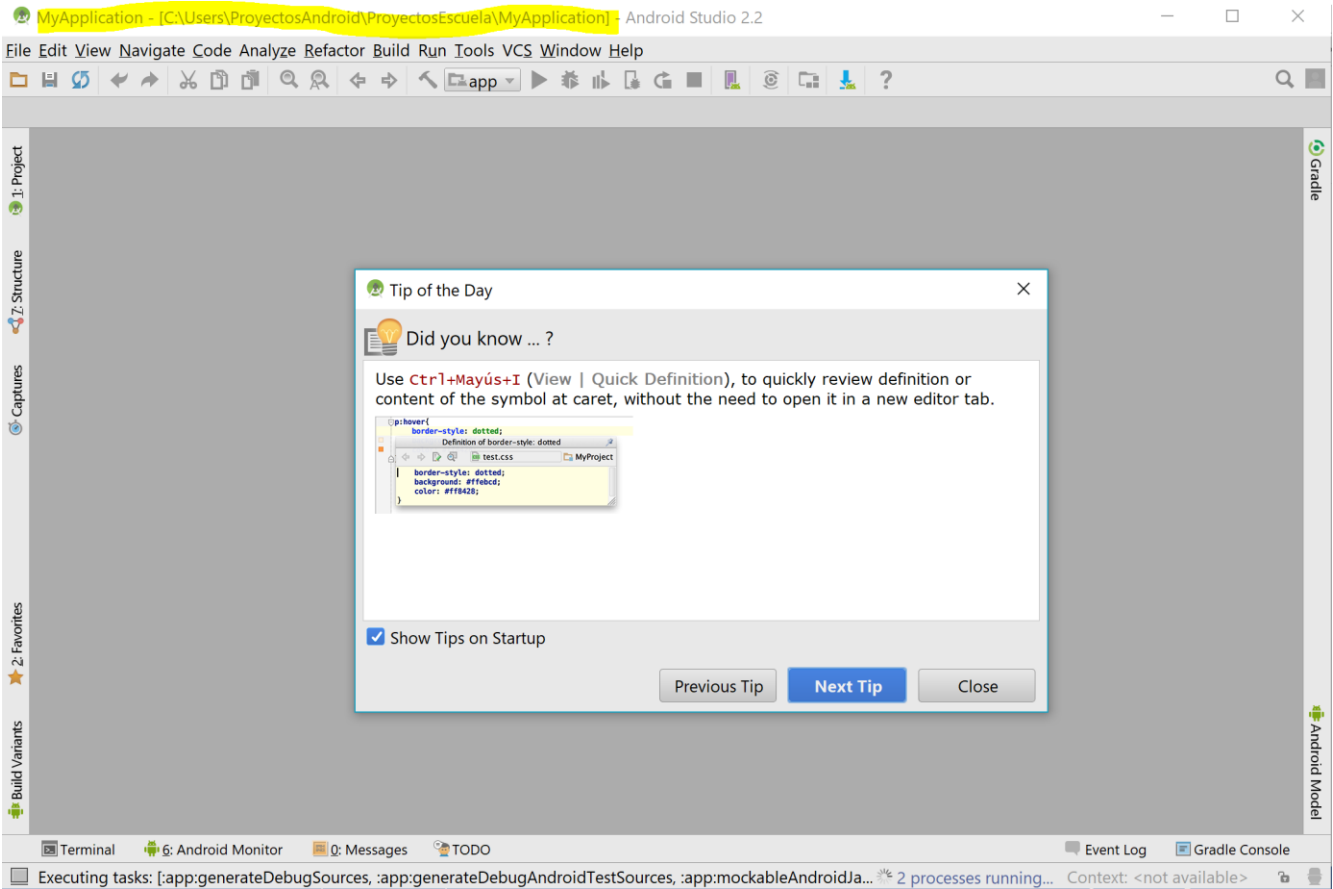
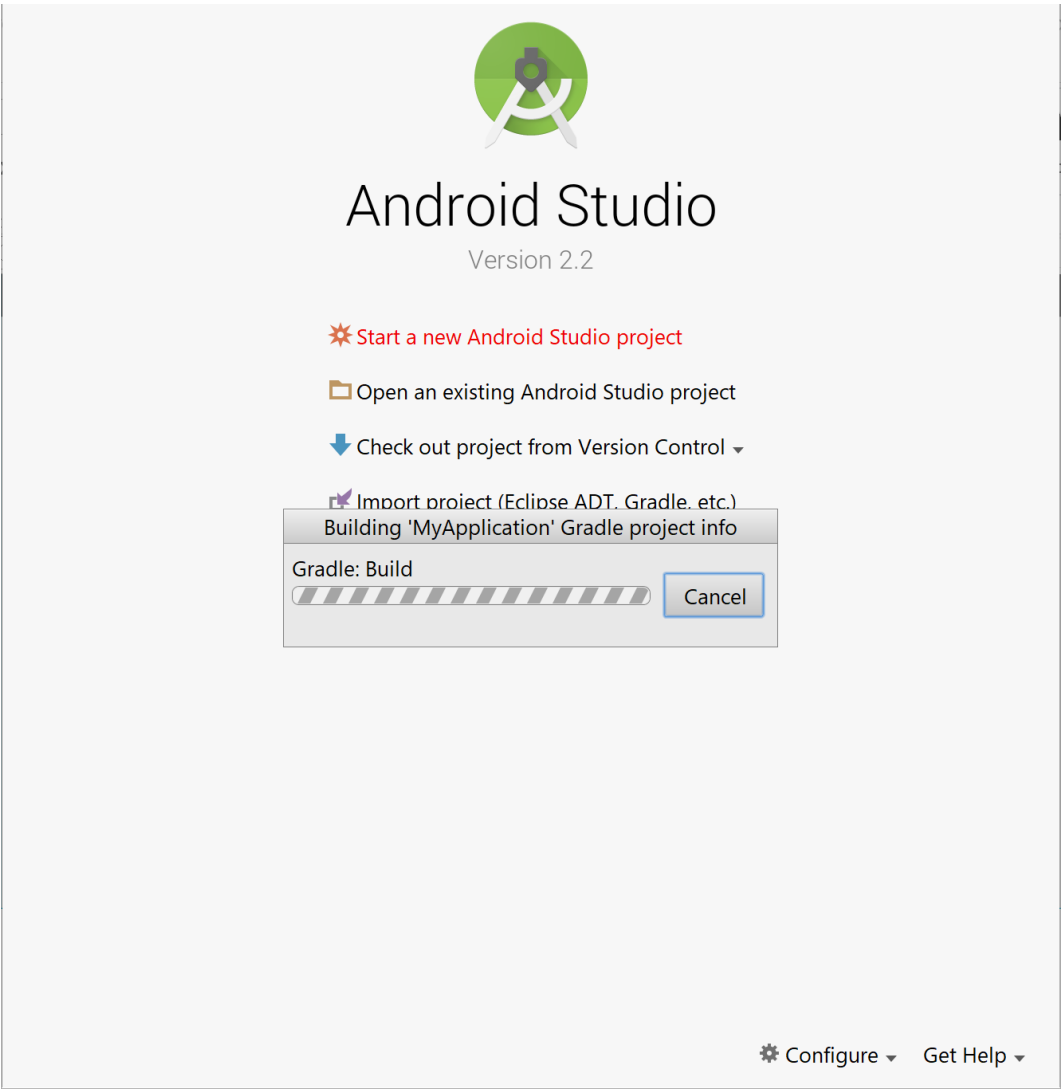
Scrolling Activity

Previous

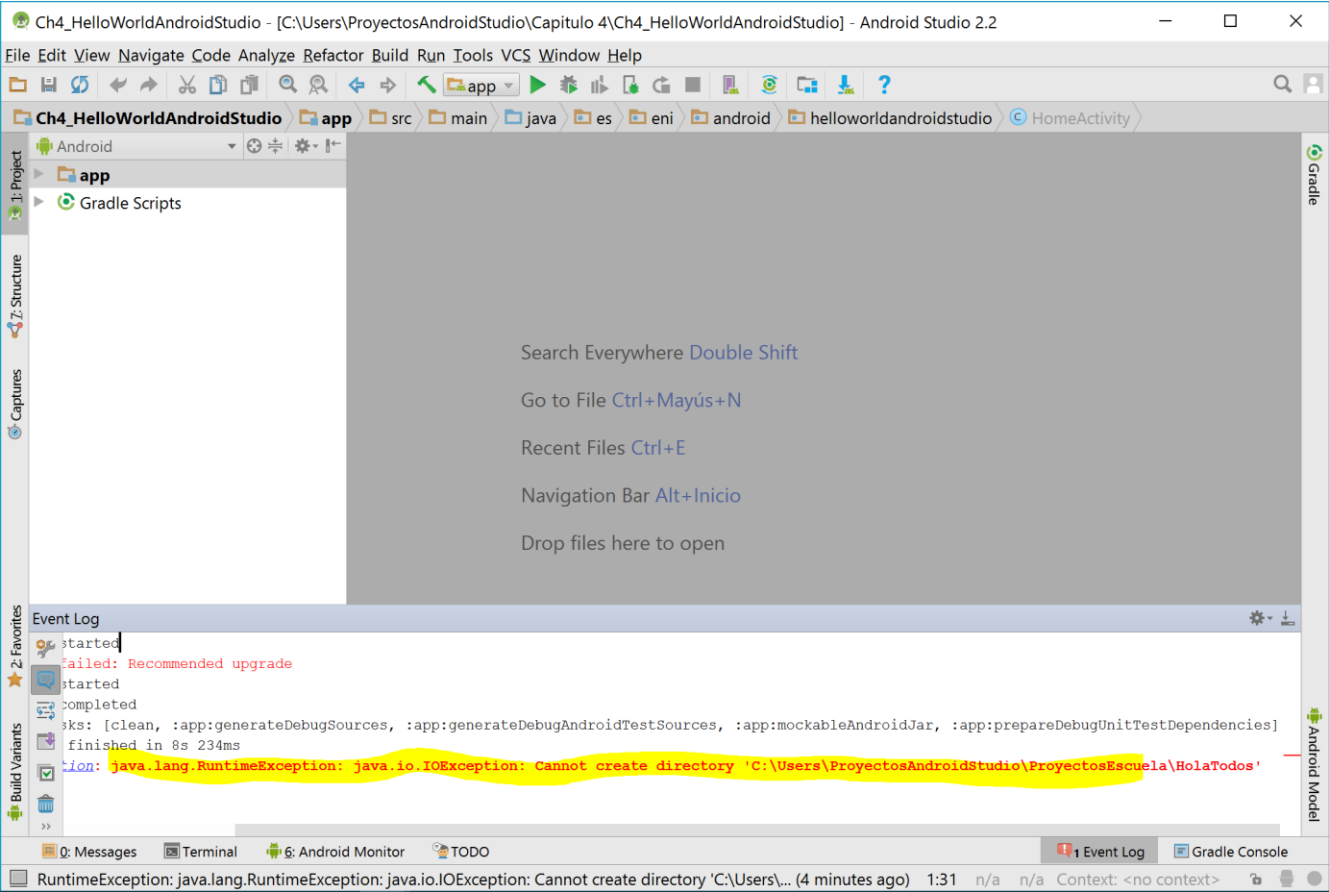
Next

Cancel

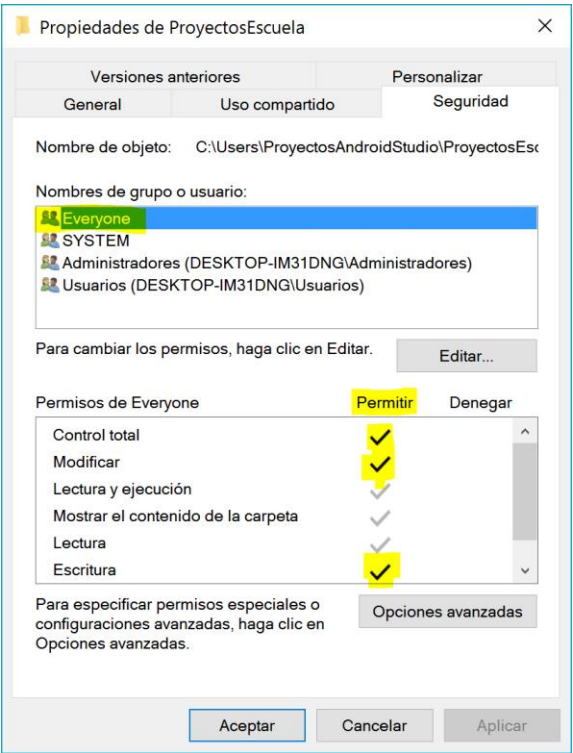
Finish



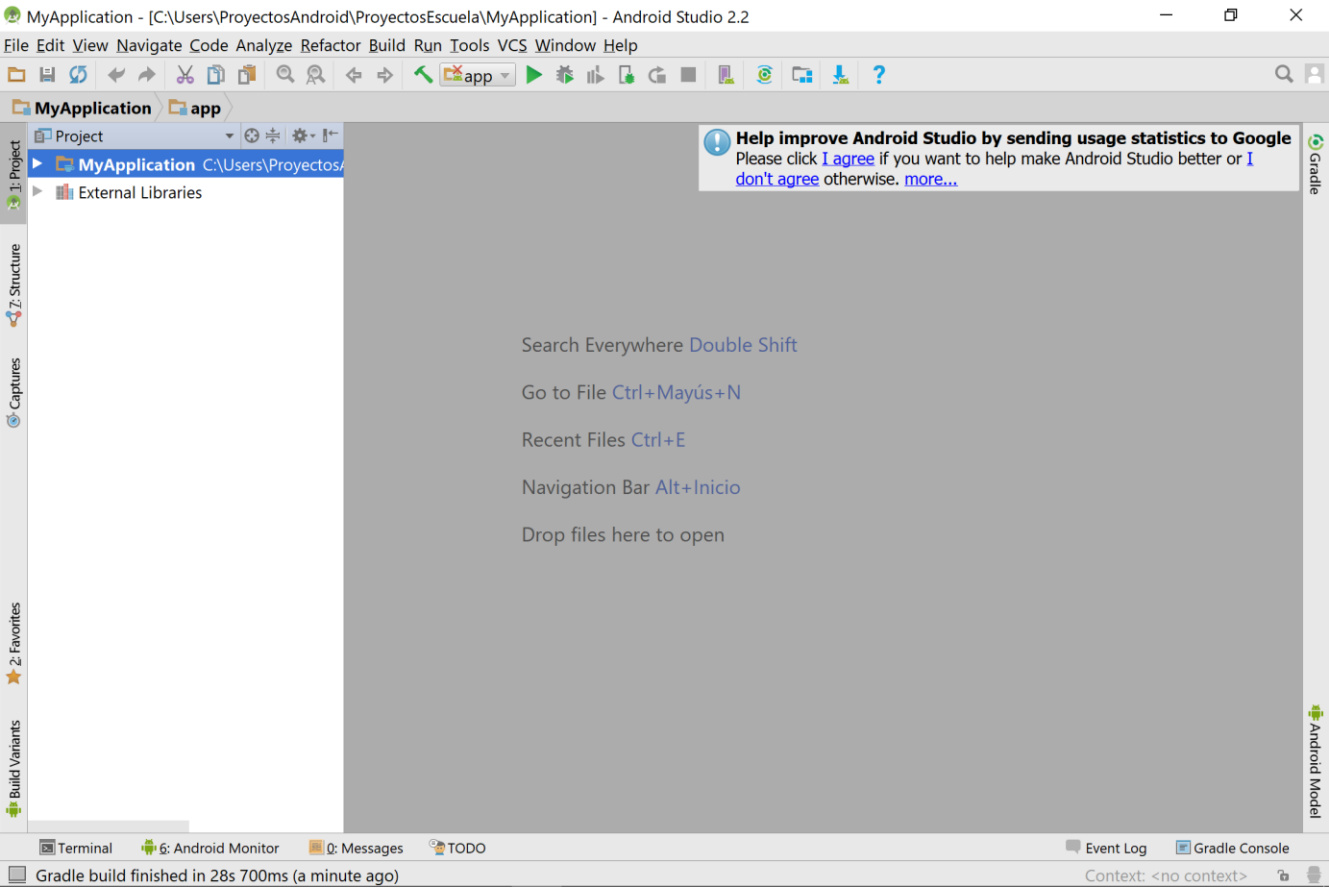
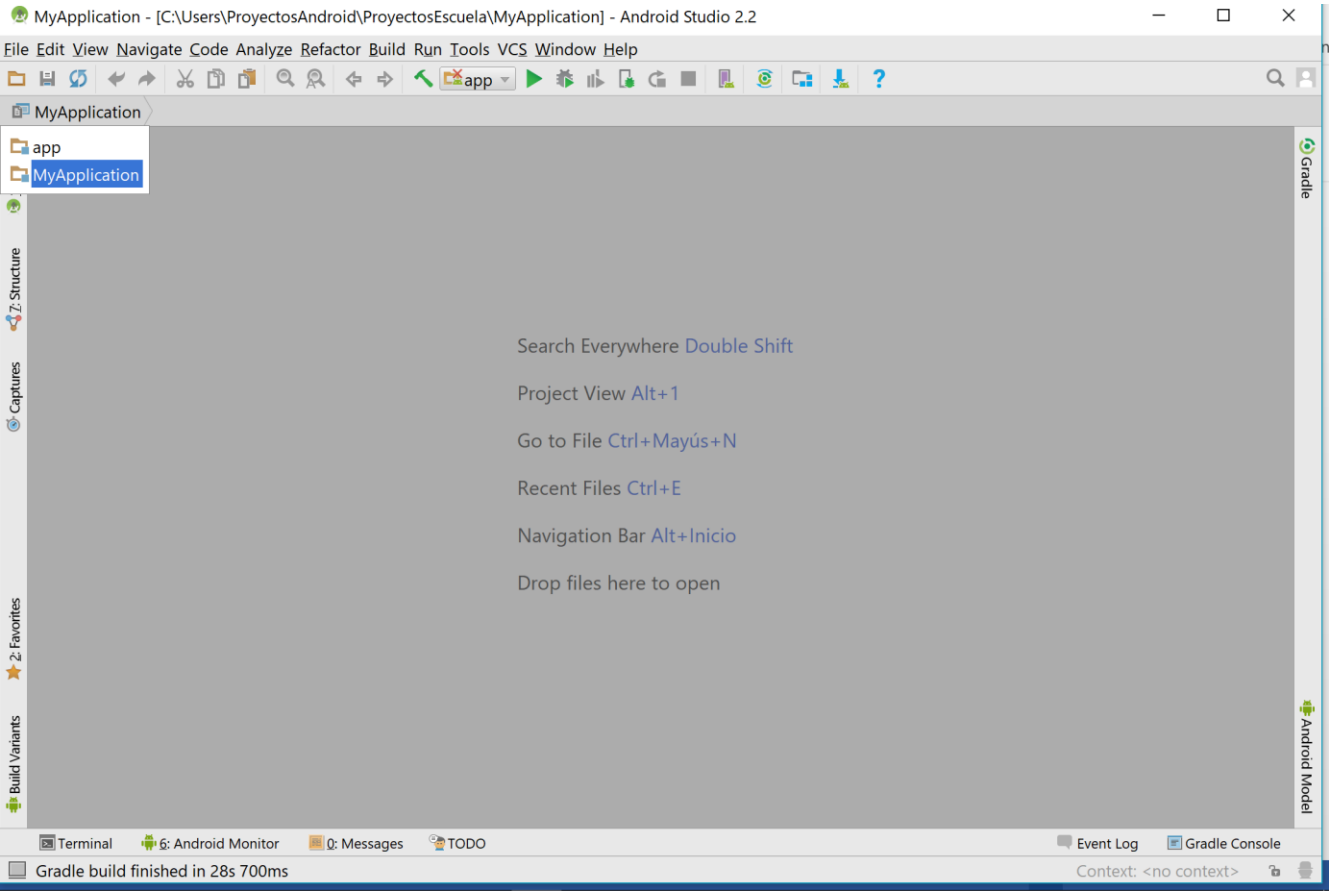
Si después aparece el siguiente error, hay que otorgar permisos de escritura al directorio:

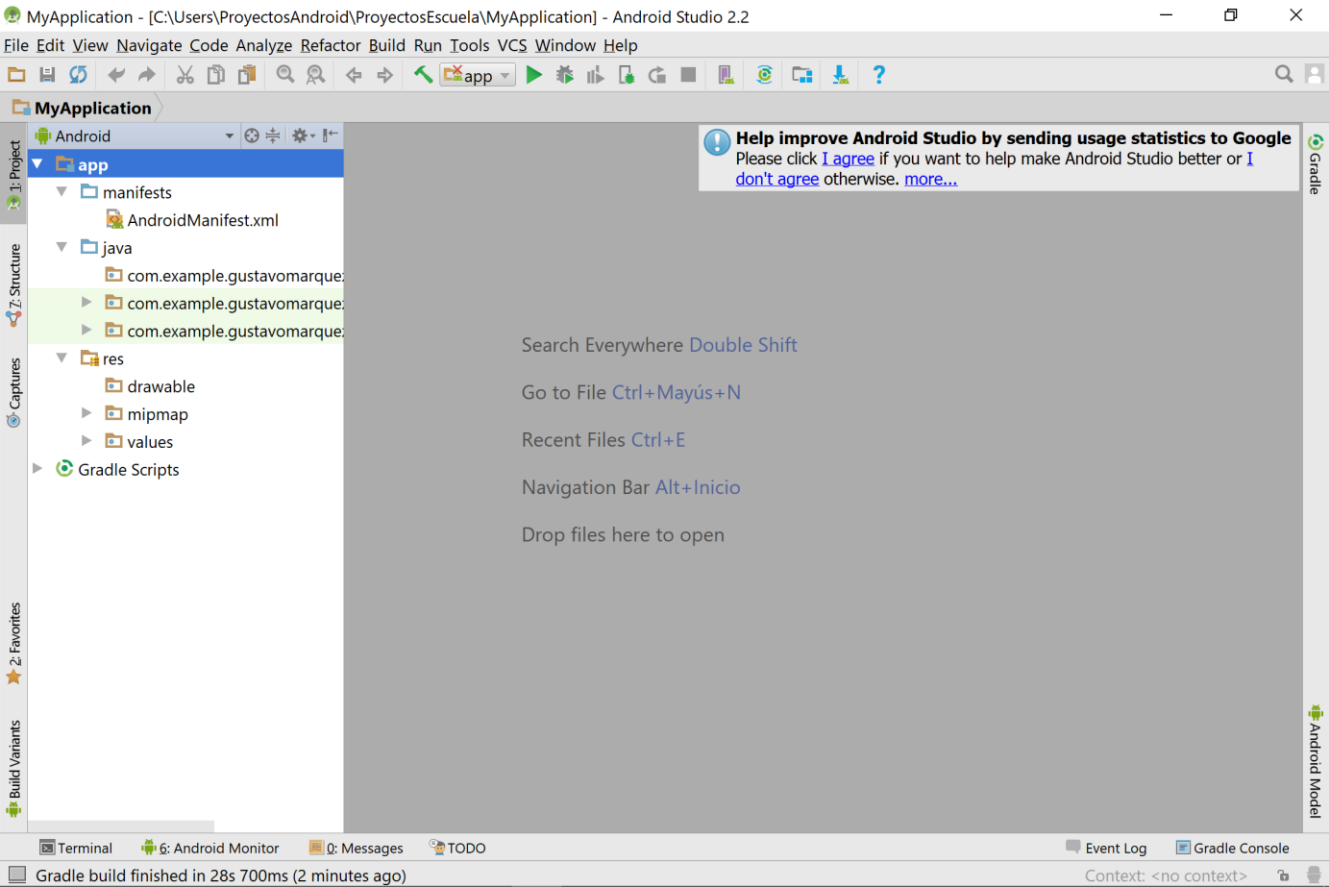
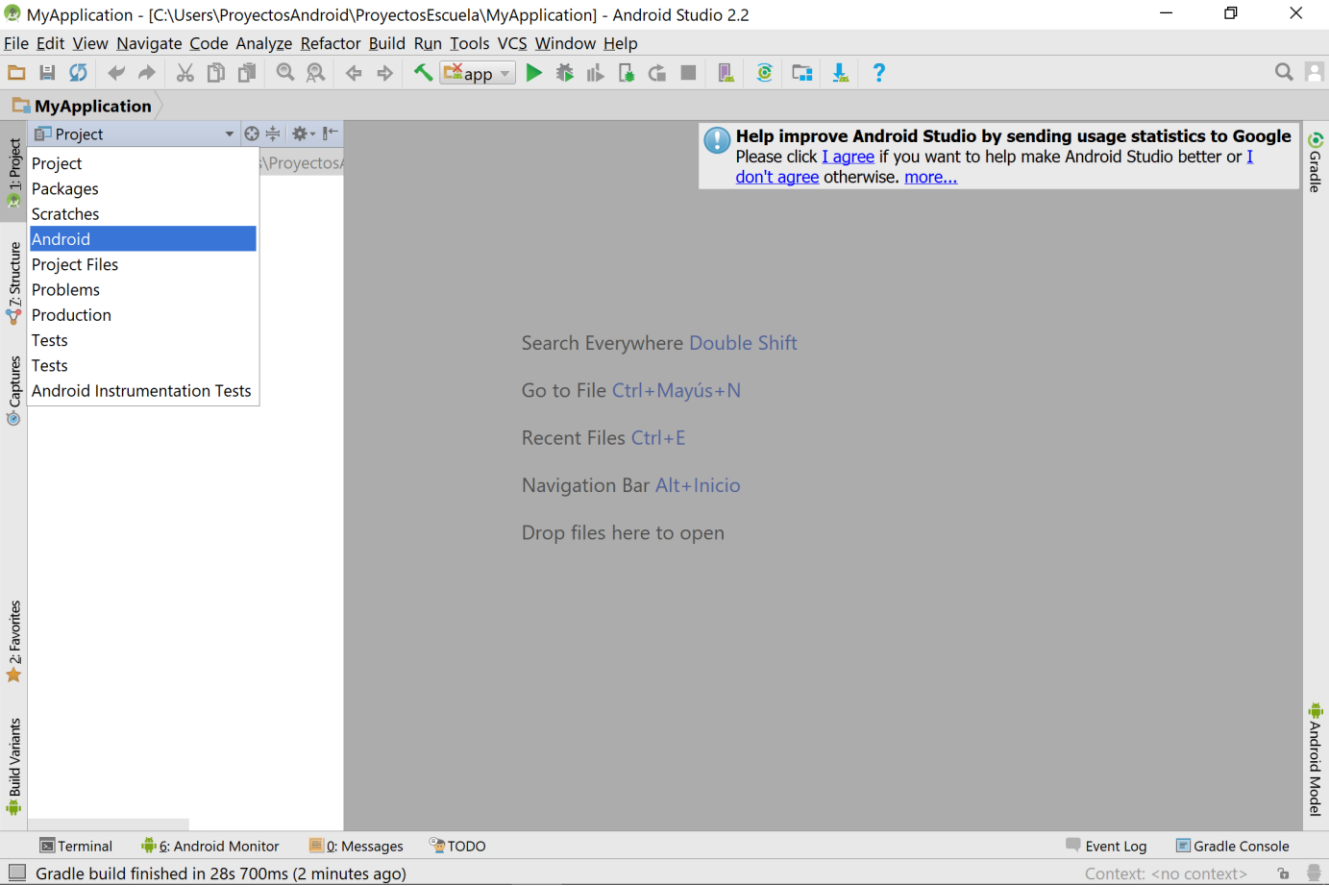


Después de otorgar permisos:

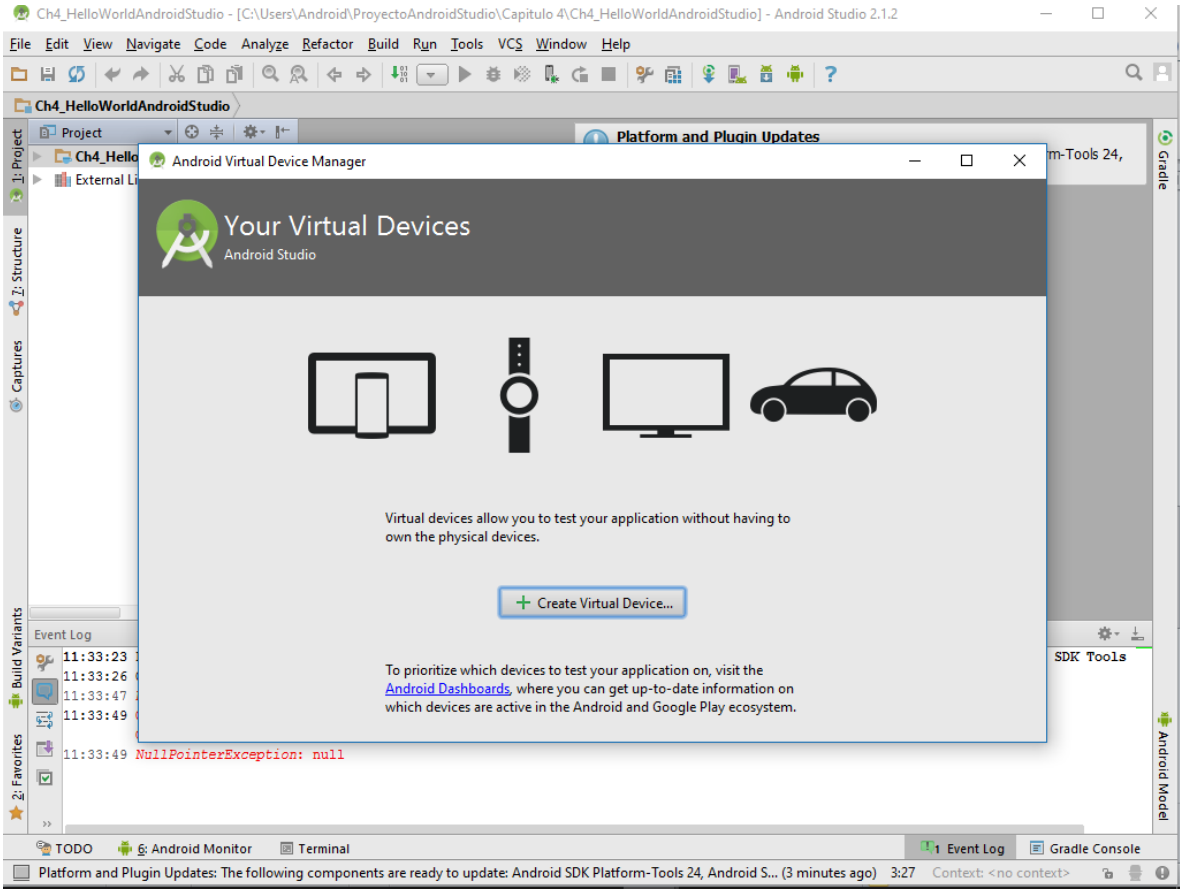
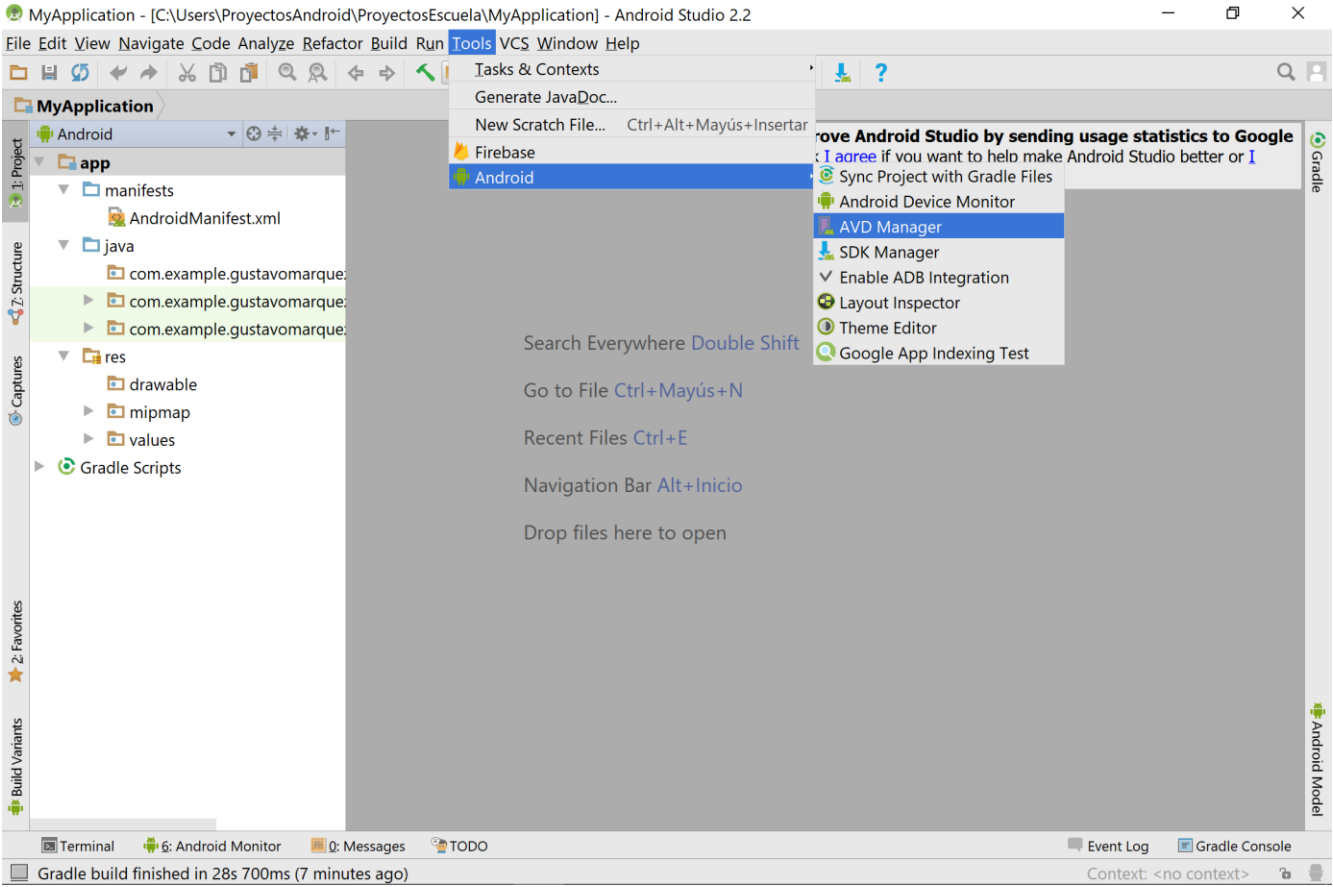


Y volver a crear el proyecto.



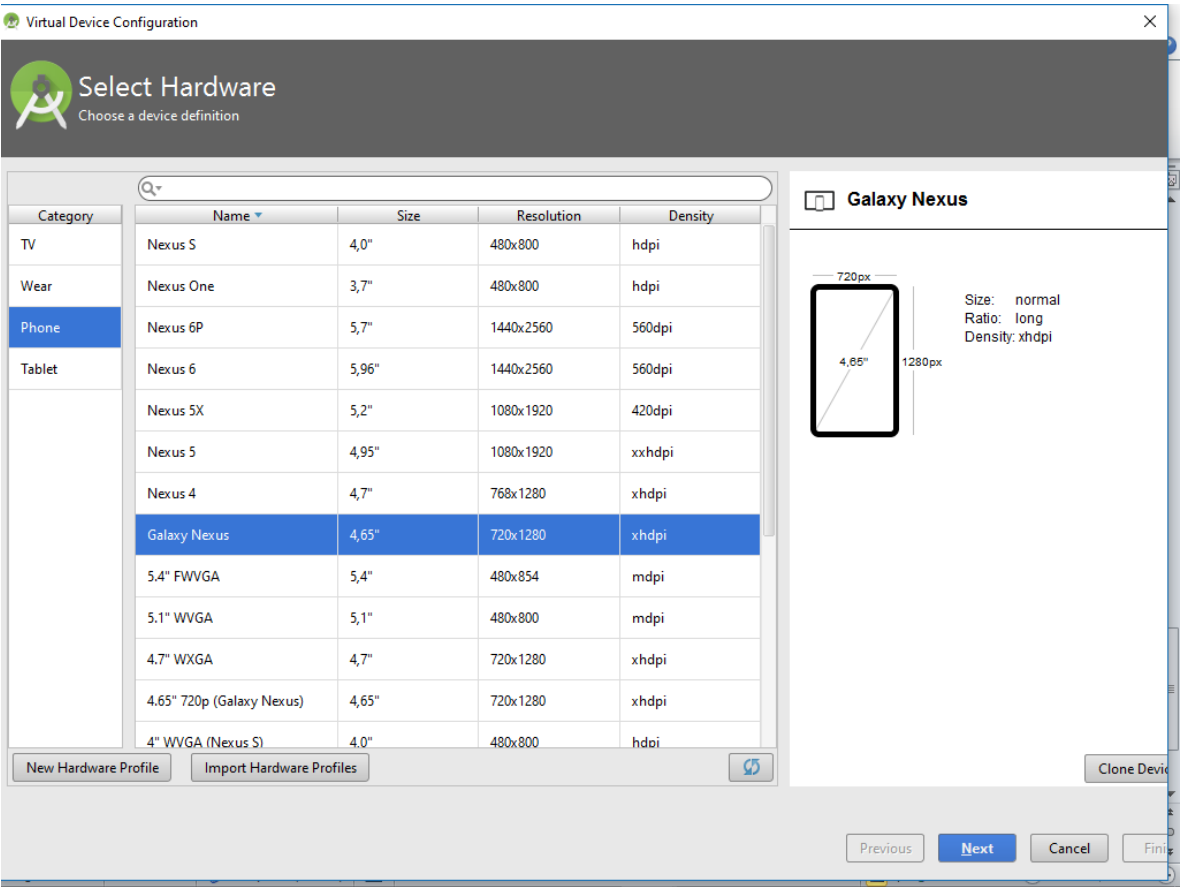






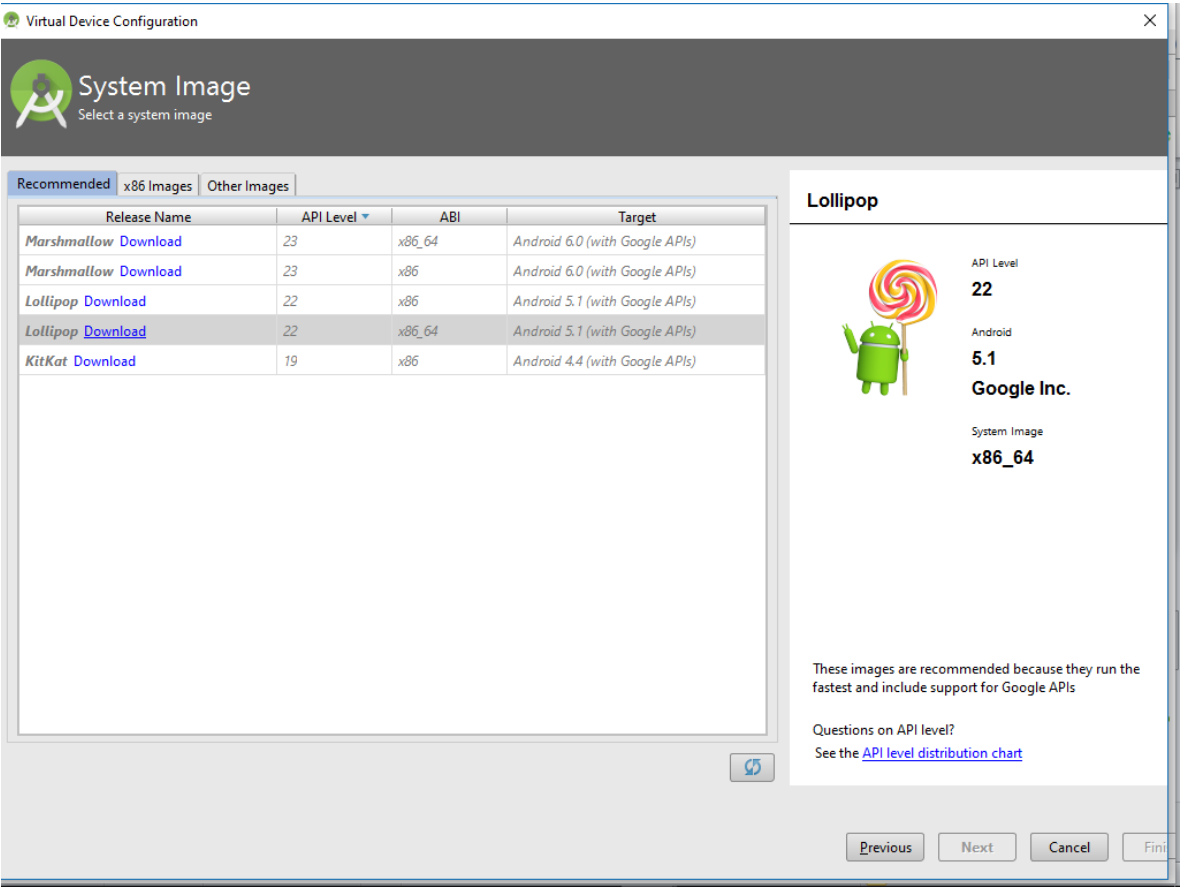
Hacer clic en el botón **Create a virtual device** (crear un emulador); se muestra una lista de los dispositivos predeterminados para crear un emulador:

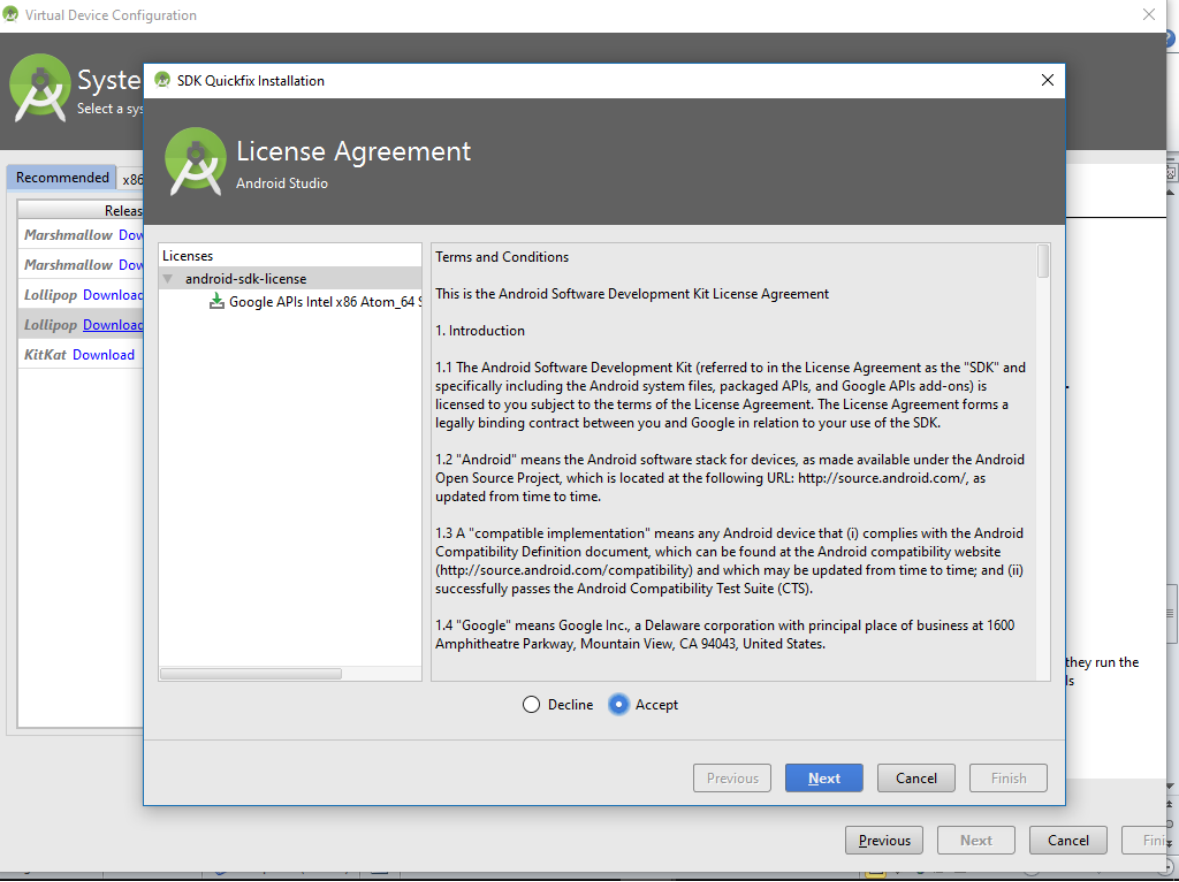
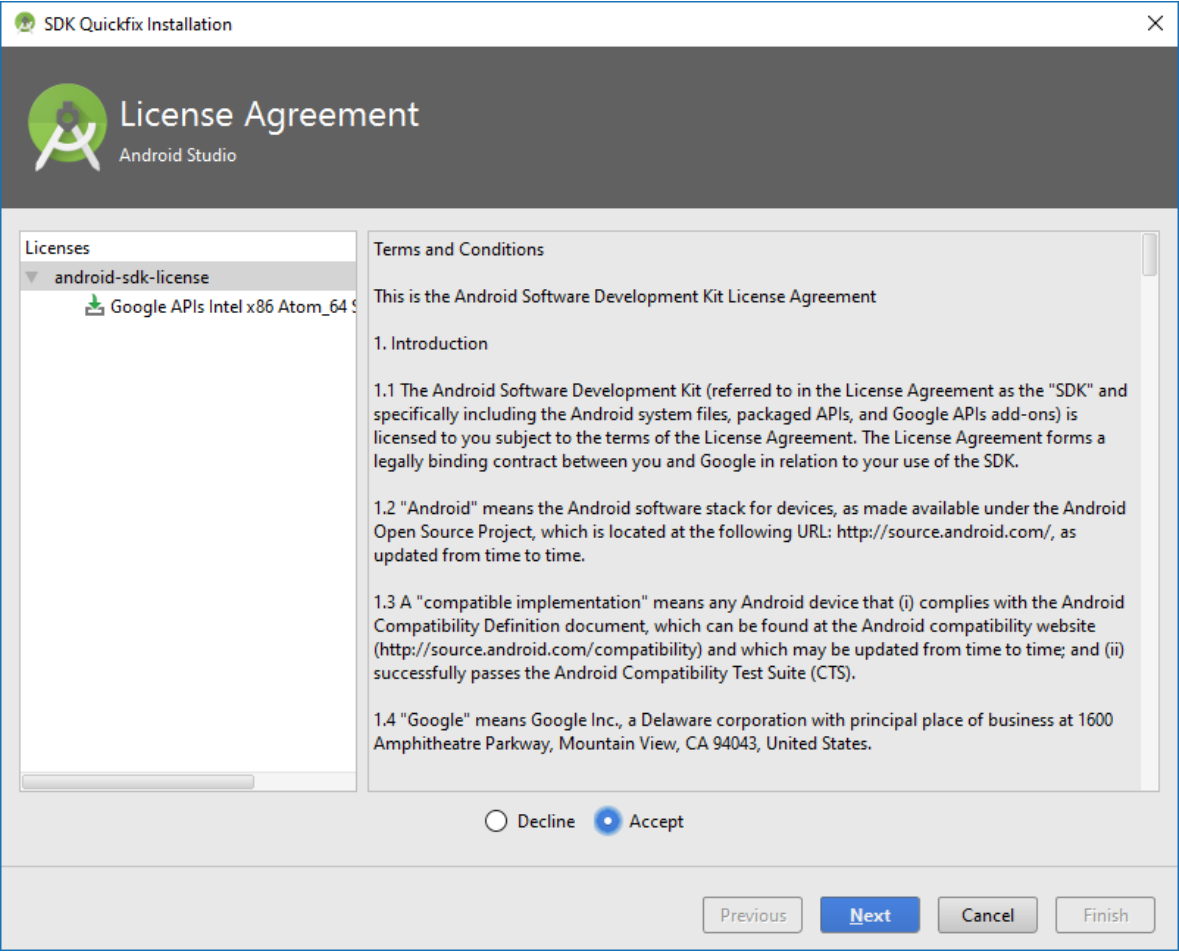


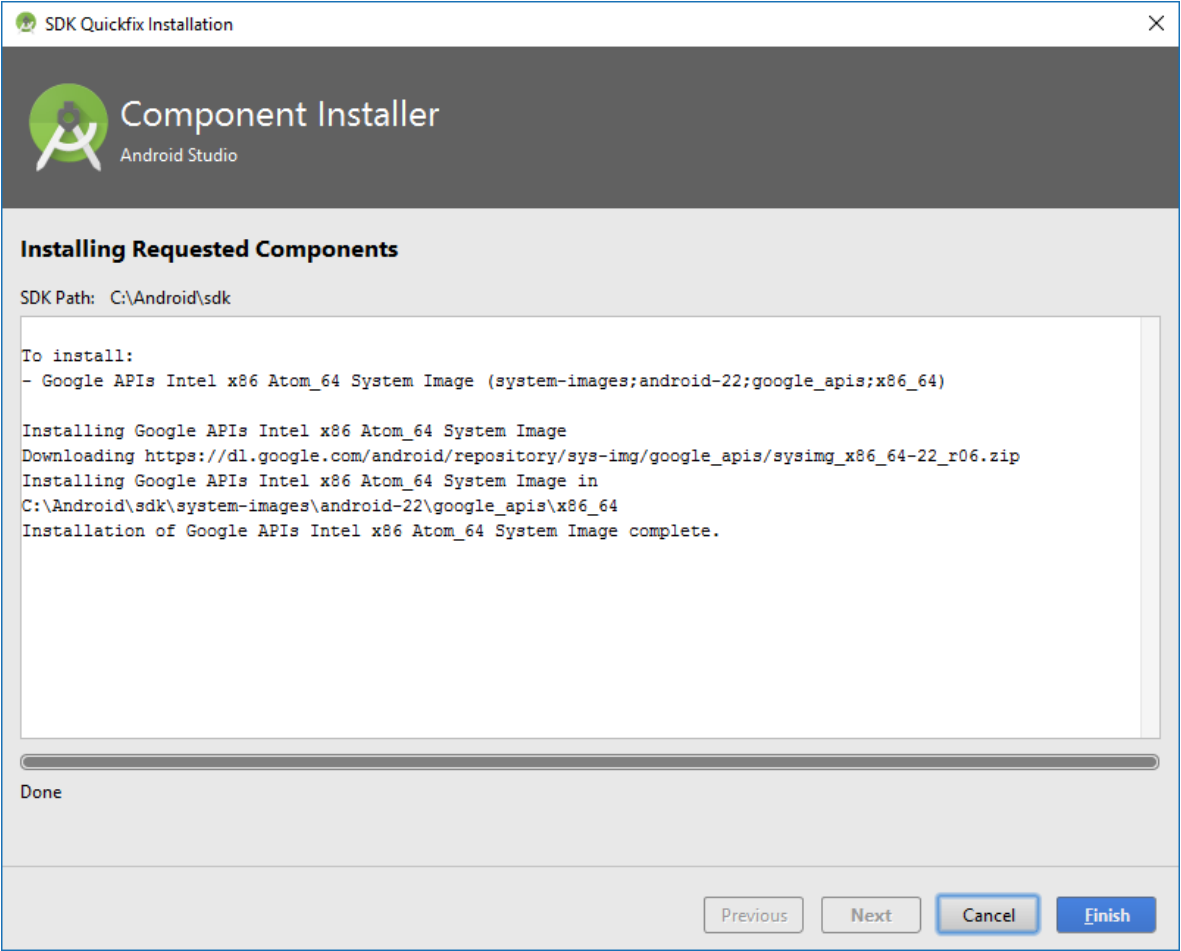
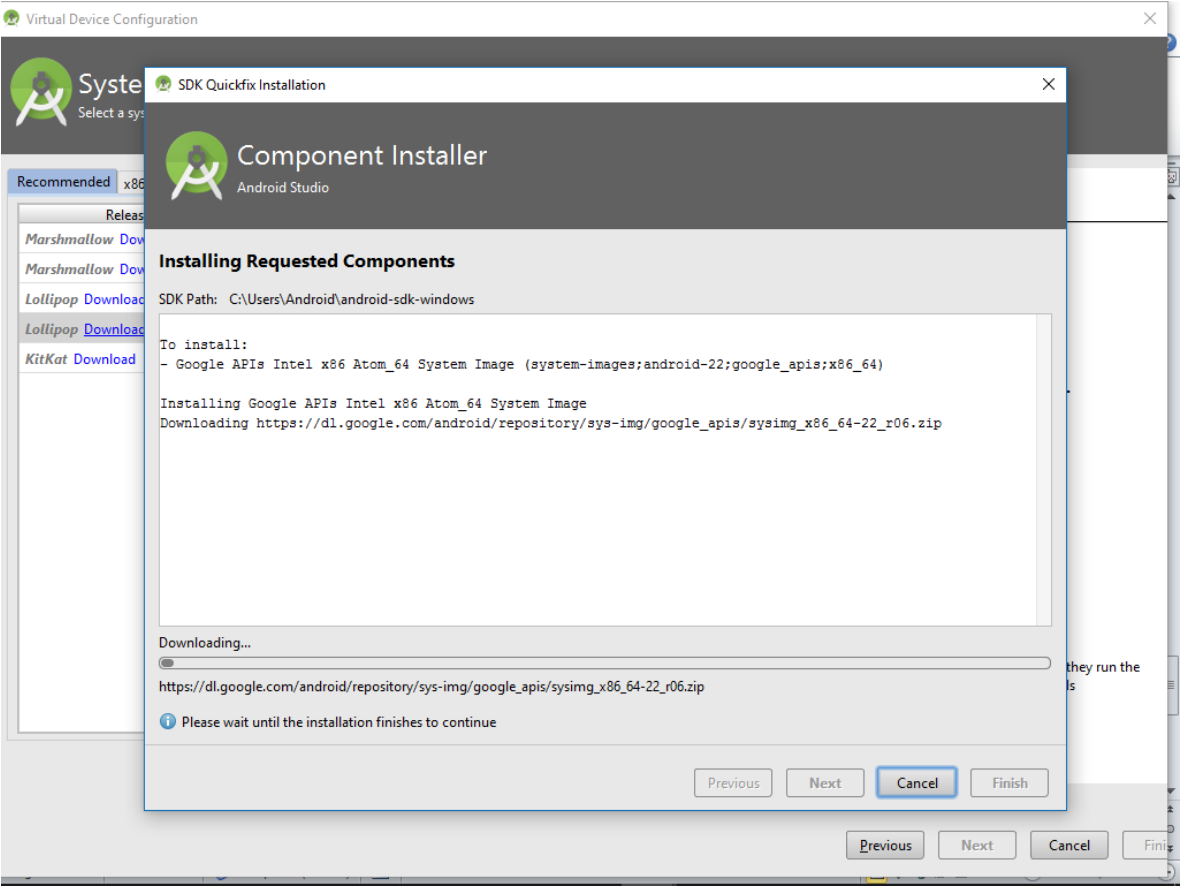


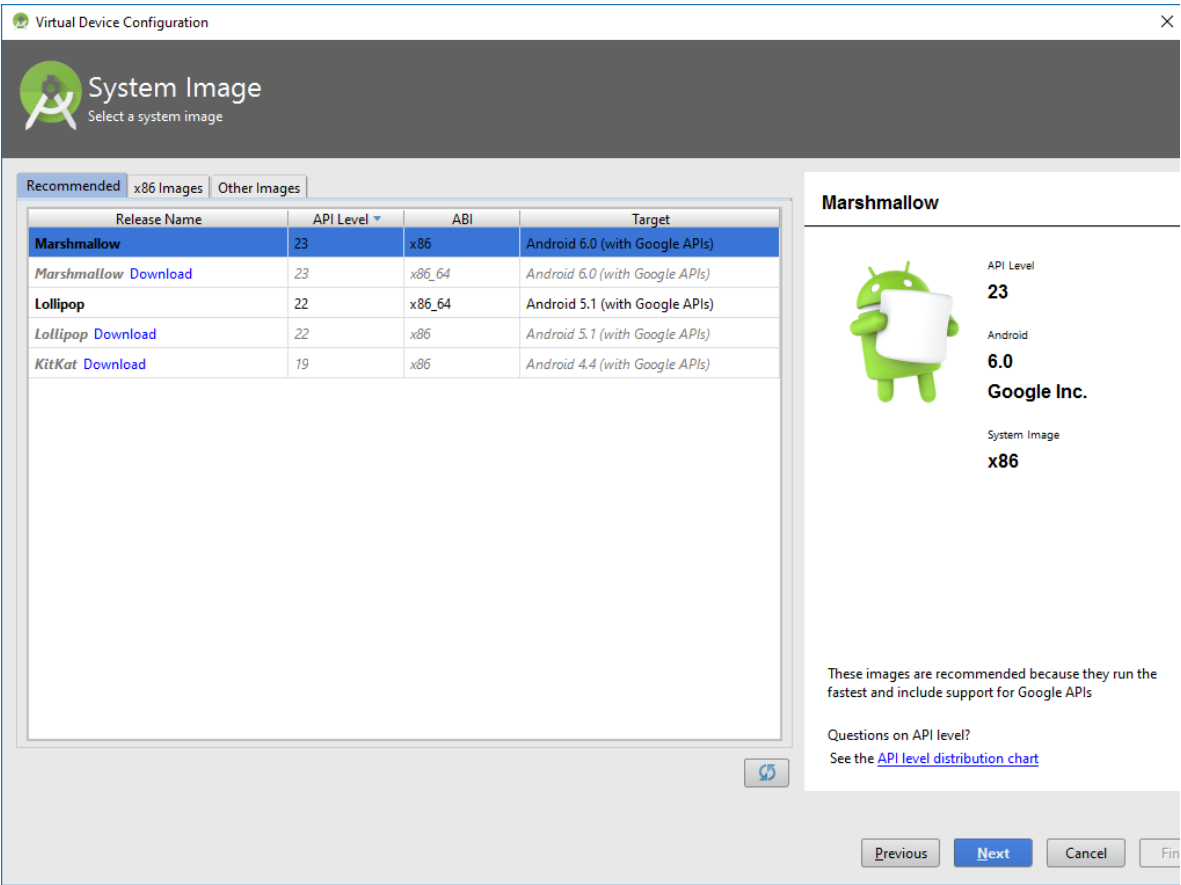
Puedes seleccionar el dispositivo que desee del lado izquierdo y el modelo y tamaño en el centro.

A continuación, selecciona la versión de Android que utilizará el emulador (Lollipop, por ejemplo), y hacer clic en **Next** (Siguiente):



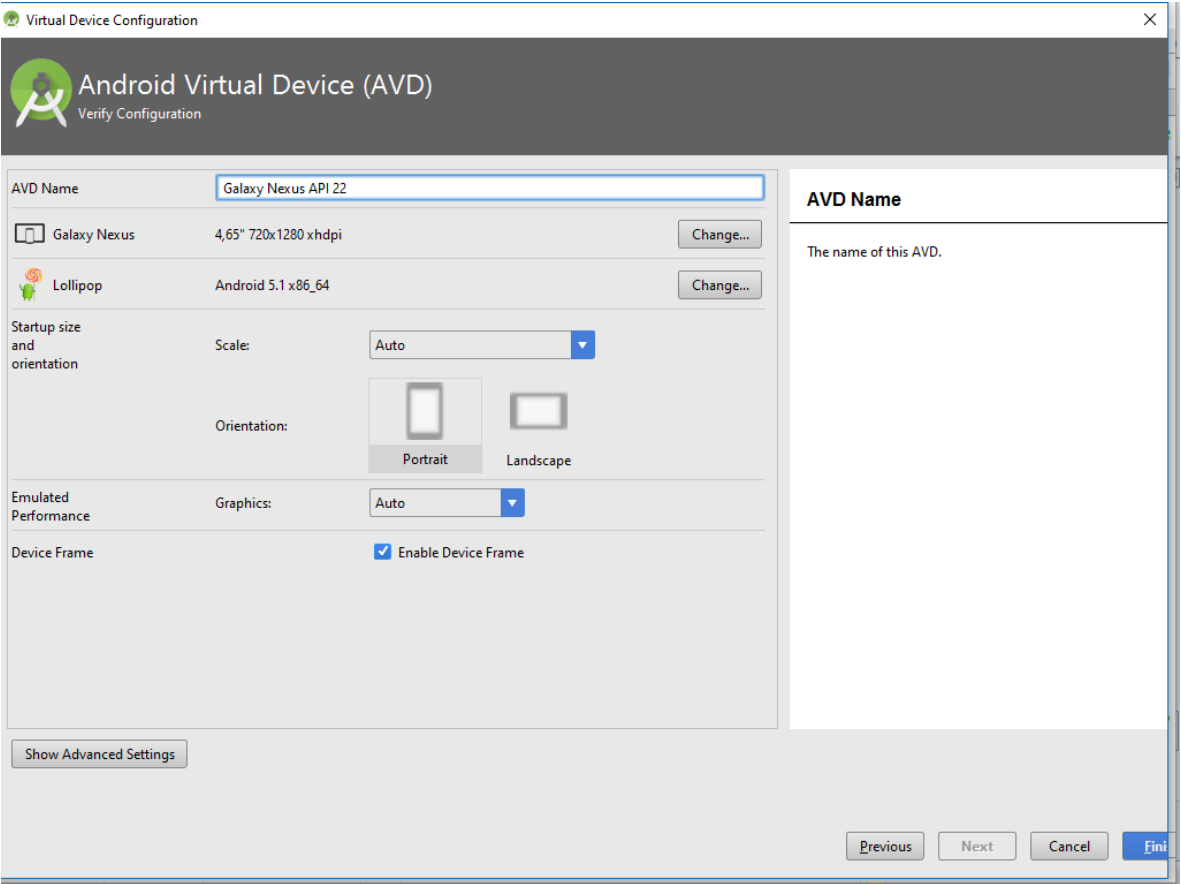




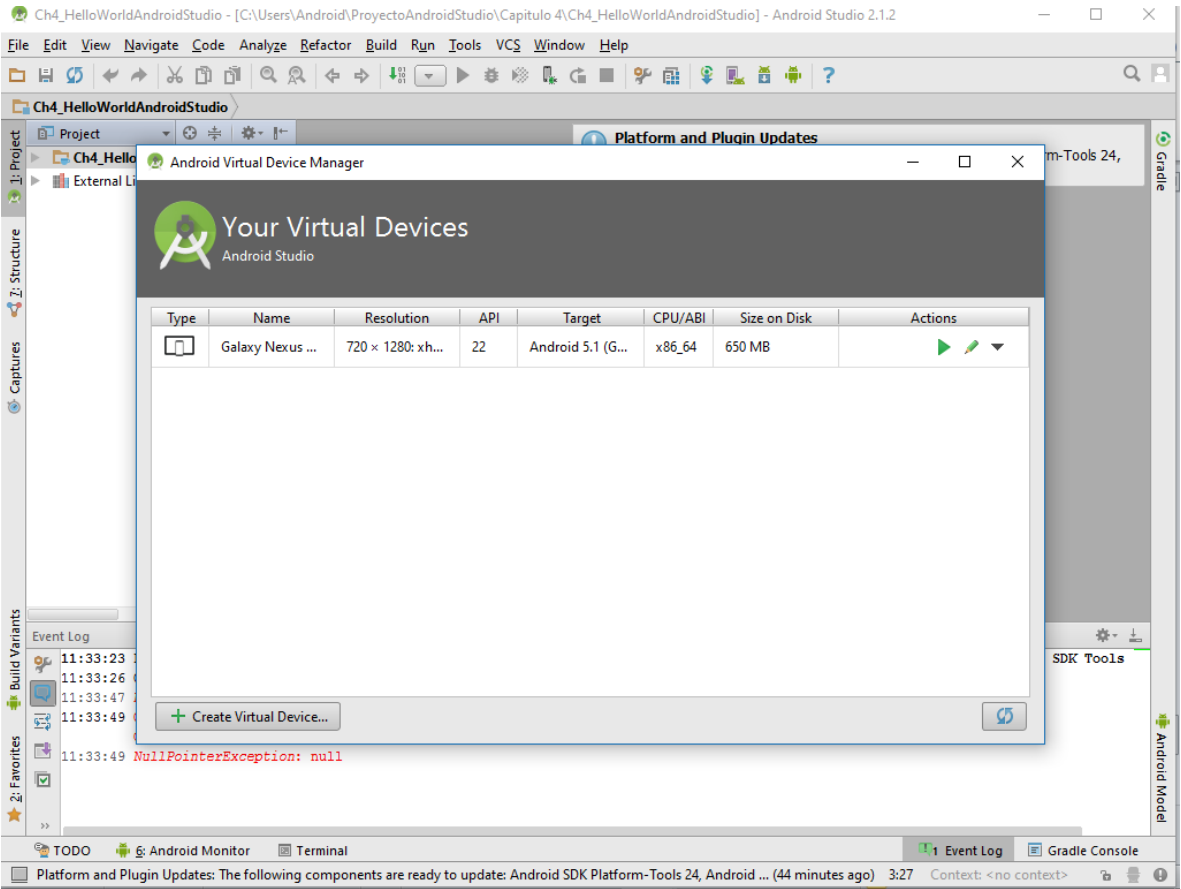


La siguiente pantalla te permite configurar el emulador:

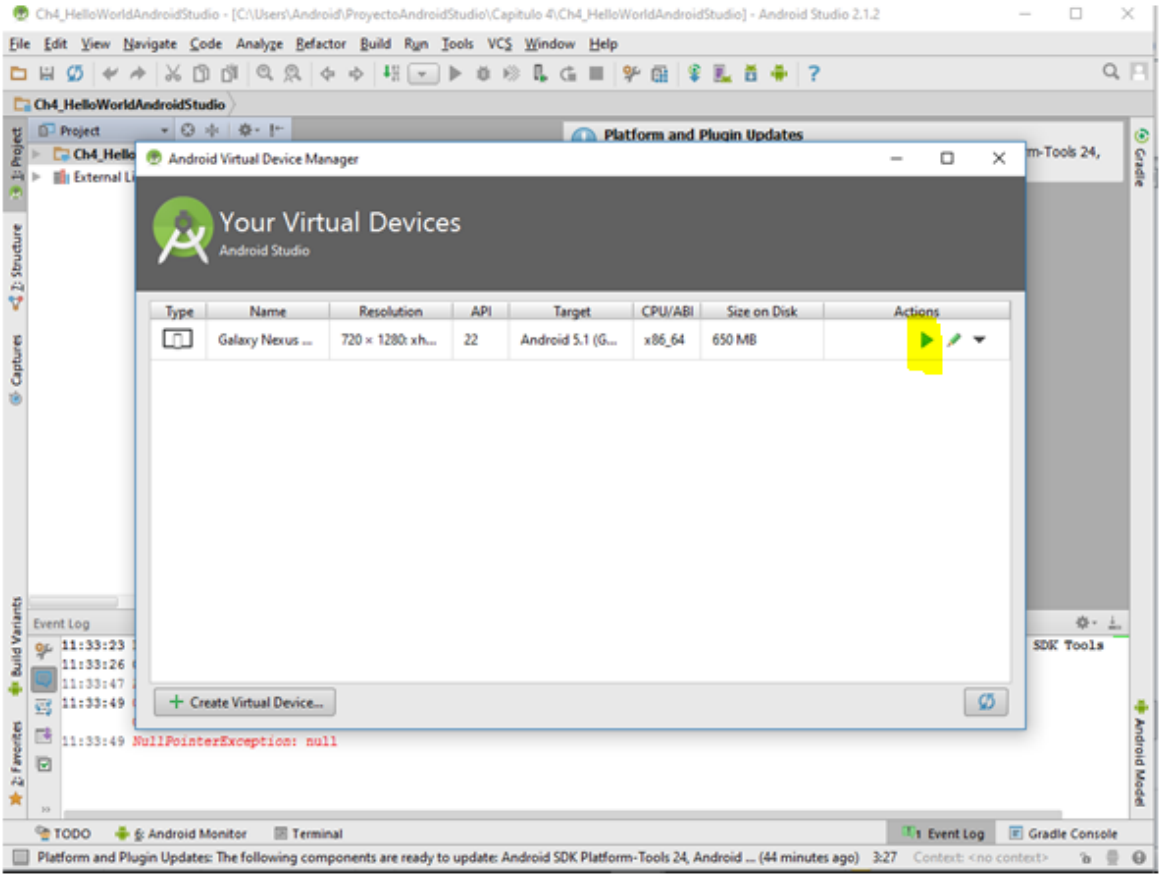
- Nombre del emulador (Android Virtual Device Name).
- Cambiar el tipo de dispositivo y la versión de Android.
- Uso de la GPU (tarjeta gráfica) para acelerar el emulador.
- Orientación y resolución (Scale).



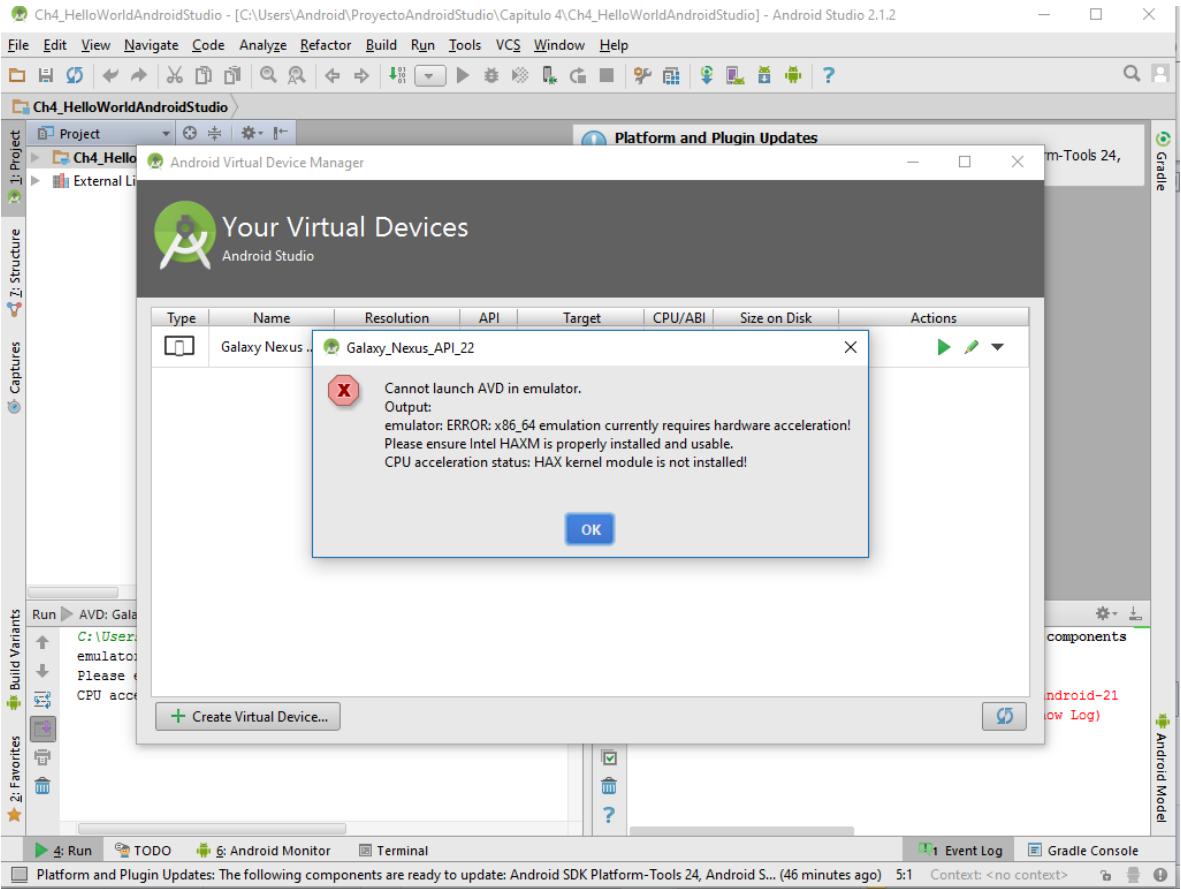
A continuación, hacer clic en **Finish** (Terminar) para finalizar la creación del emulador.



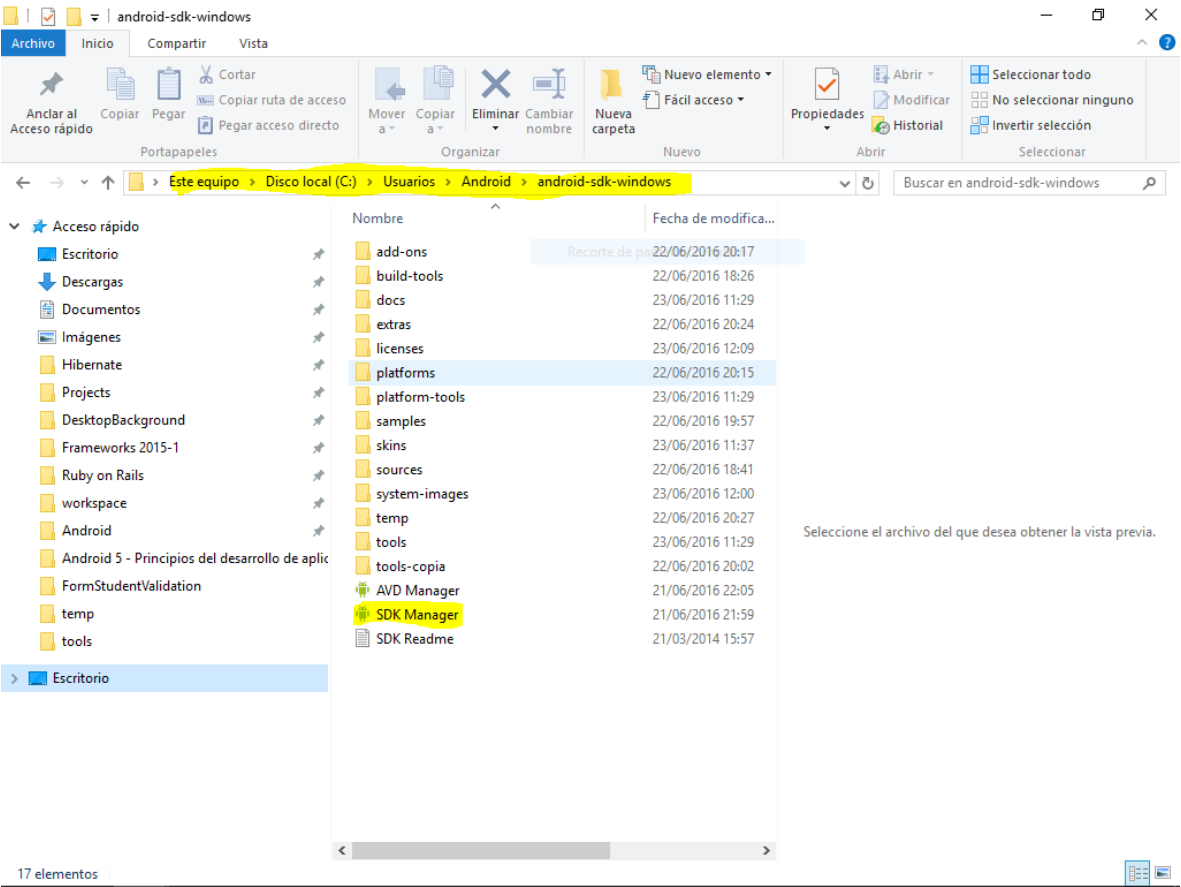
Para ejecutar un emulador, basta con hacer clic en el botón **play** que se encuentra al lado del nombre del emulador:

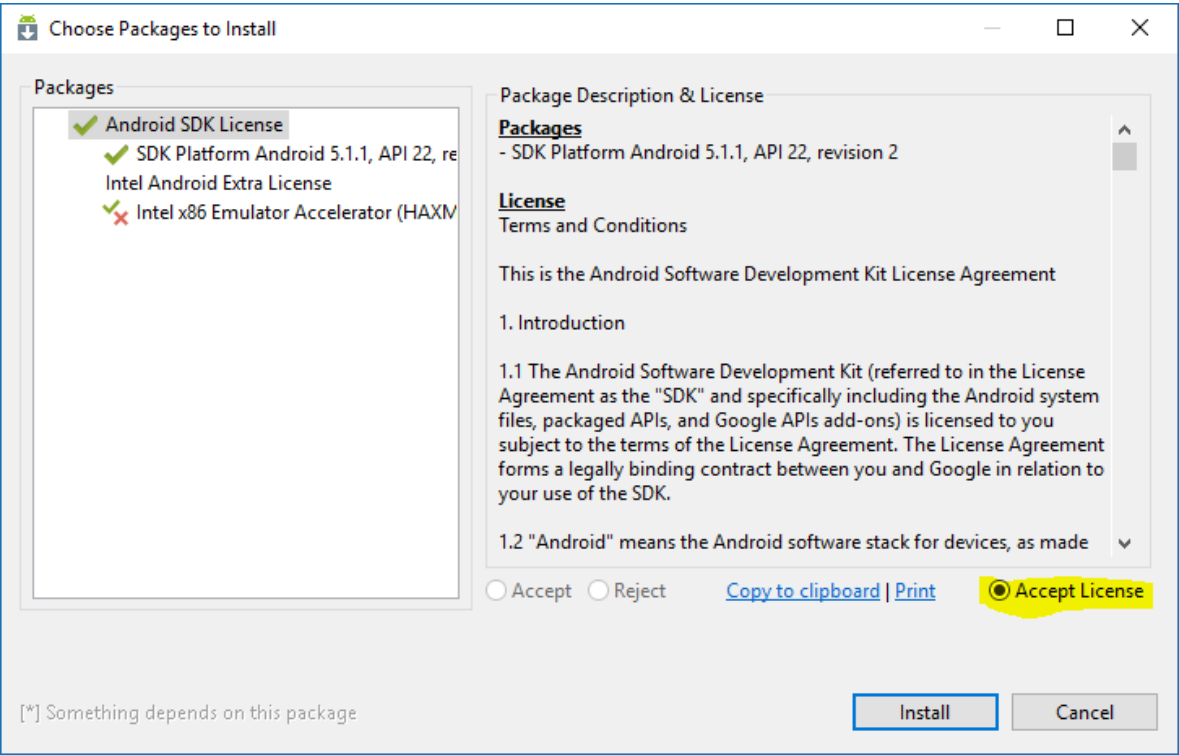
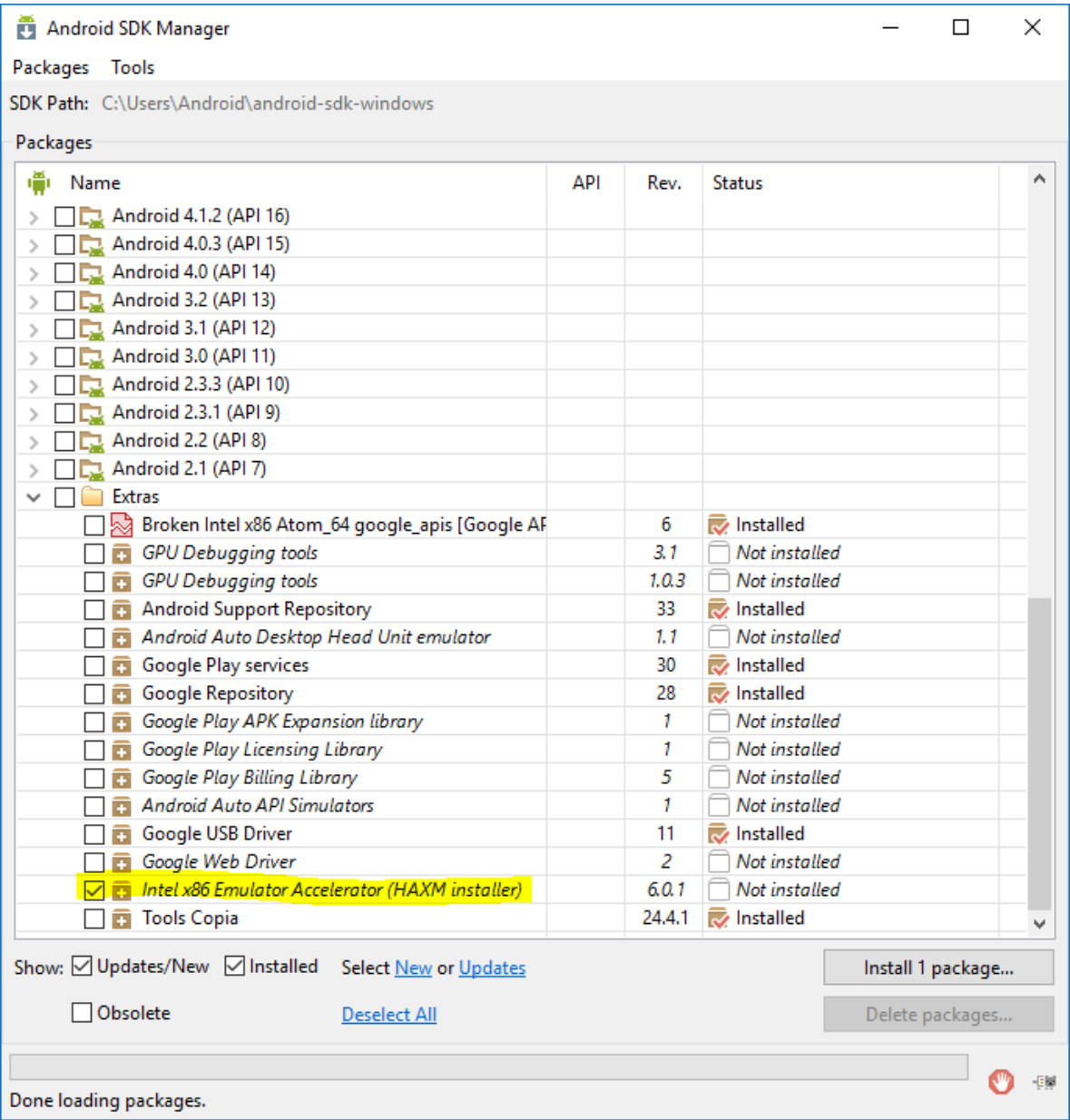


Para la version 2019, el HAXM se instala automáticamente y no se requiere de configurar el SDK Manager.



Make sure you have installed HAXM installer on your SDK Manager

















































Android SDK Manager

Packages

Tools

SDK Path: C:\Users\Android\android-sdk-windows

Packages

	Name	API	Rev.	Status
>	 Android 4.1.2 (API 16)			
>	 Android 4.0.3 (API 15)			
>	 Android 4.0 (API 14)			
>	 Android 3.2 (API 13)			
>	 Android 3.1 (API 12)			
>	 Android 3.0 (API 11)			
>	 Android 2.3.3 (API 10)			
>	 Android 2.3.1 (API 9)			
>	 Android 2.2 (API 8)			
>	 Android 2.1 (API 7)			
▼	 Extras			
	 Broken Intel x86 Atom_64 google_apis [Google AP		6	 Installed
	 GPU Debugging tools		3.1	 Not installed
	 GPU Debugging tools		1.0.3	 Not installed
	 Android Support Repository		33	 Installed
	 Android Auto Desktop Head Unit emulator		1.1	 Not installed
	 Google Play services		30	 Installed
	 Google Repository		28	 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	 Installed
	 Google Web Driver		2	 Not installed
	 Intel x86 Emulator Accelerator (HAXM installer)		6.0.1	 Not installed
	 Tools Copia		24.4.1	 Installed



Show: ☒ Updates/New ☒ Installed [Select New or Updates](#)

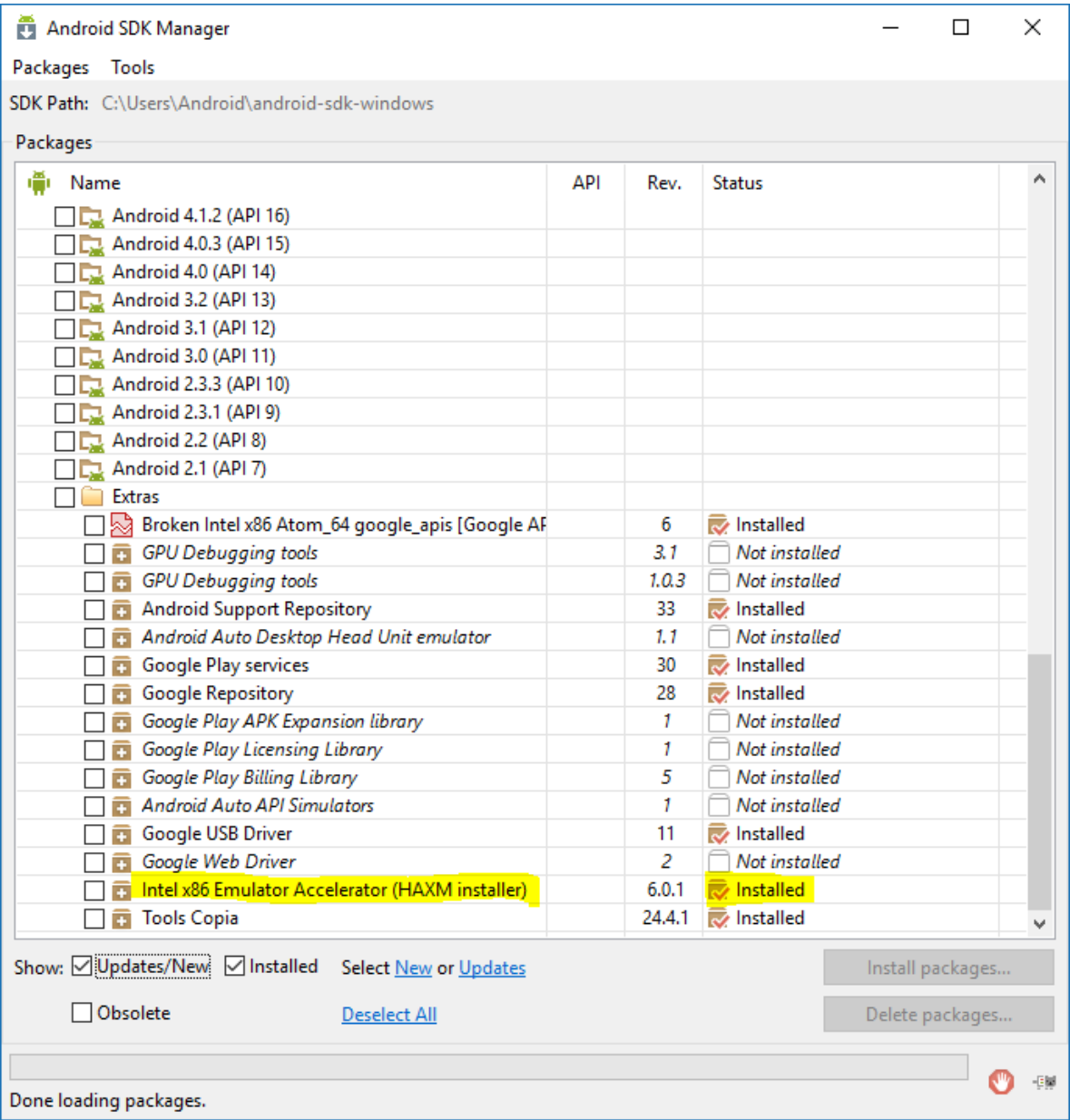
☐ Obsolete [Deselect All](#)

Install 1 package...

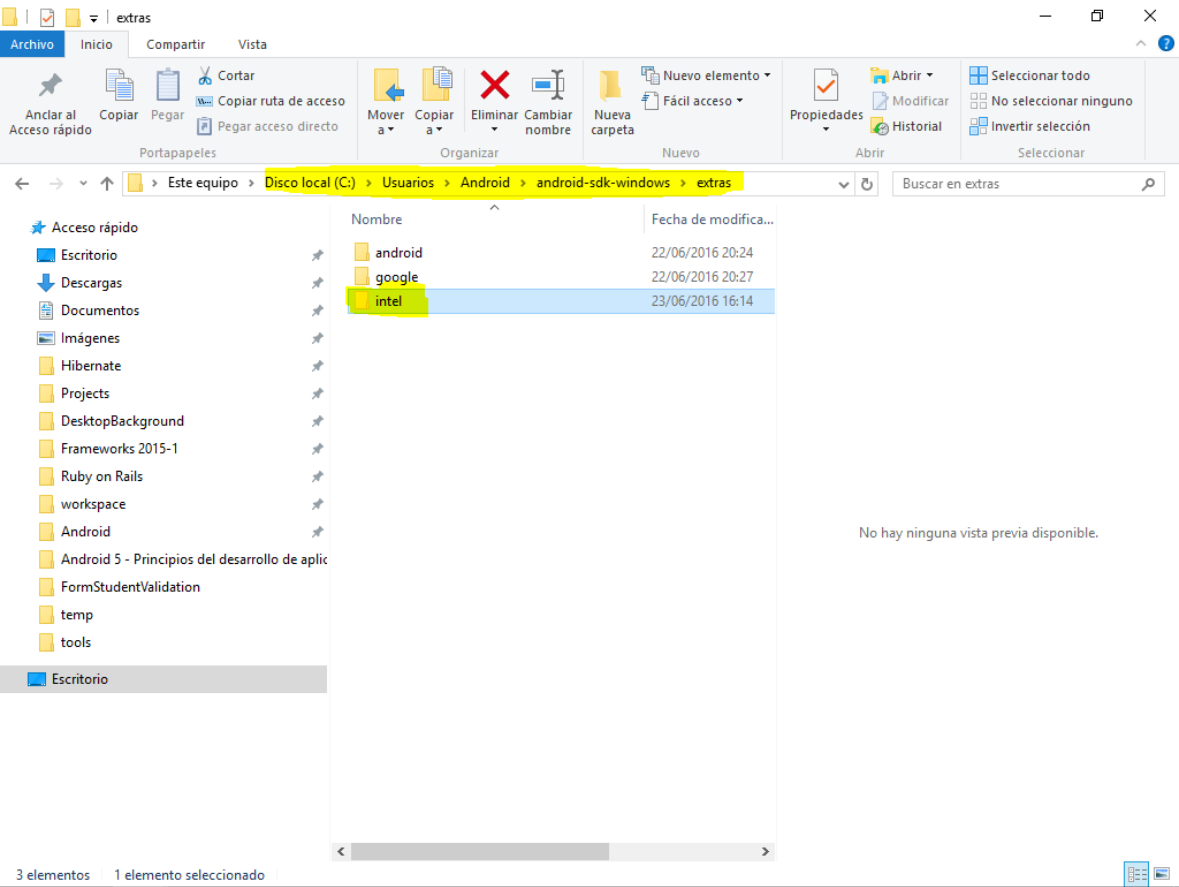
Delete packages...

Downloading SDK Platform Android 5.1.1, API 22, revision 2 (6%, 778 KiB/s, 78 seconds left)

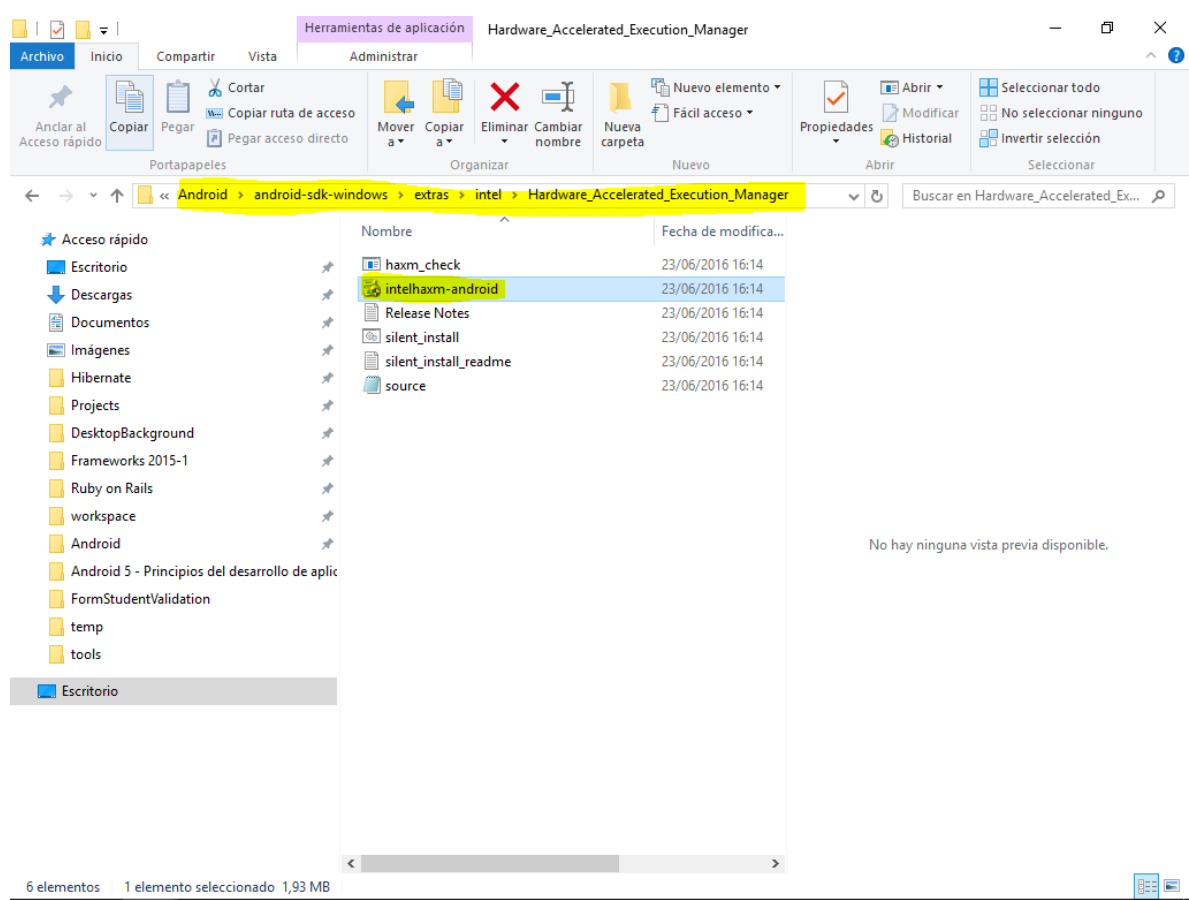


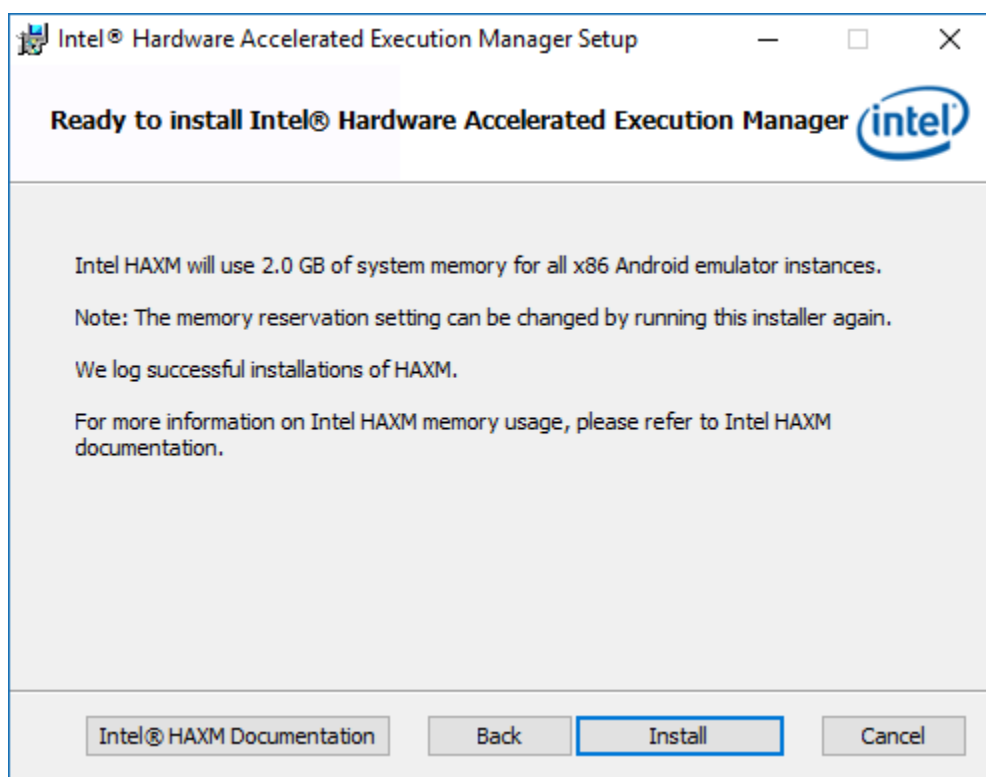
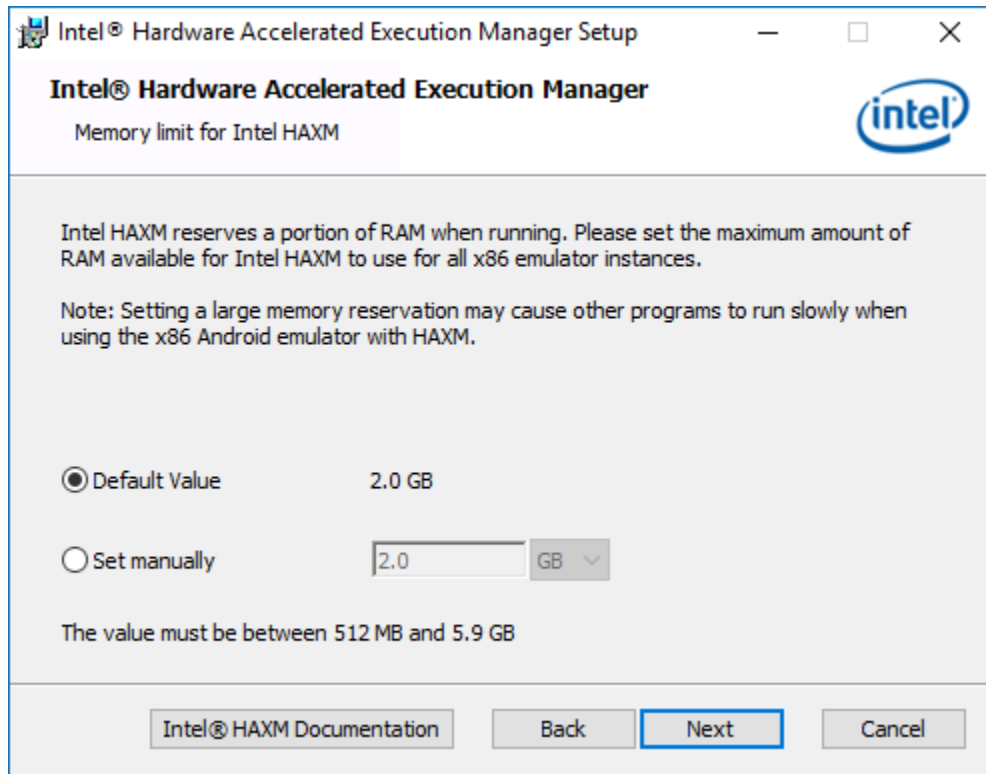


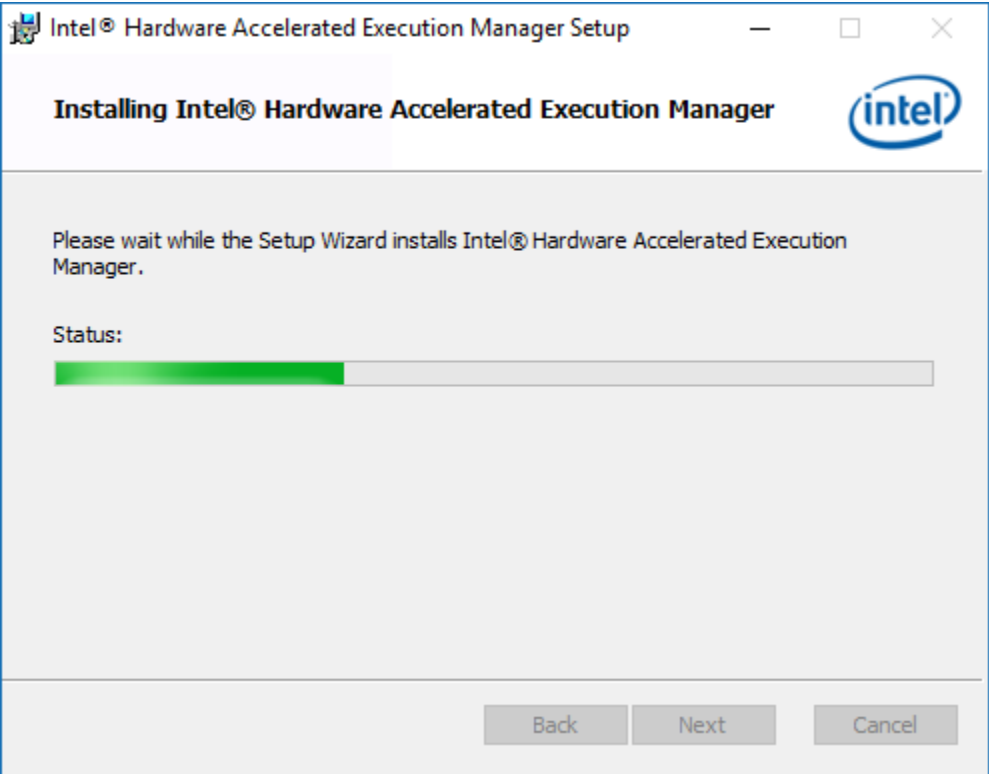
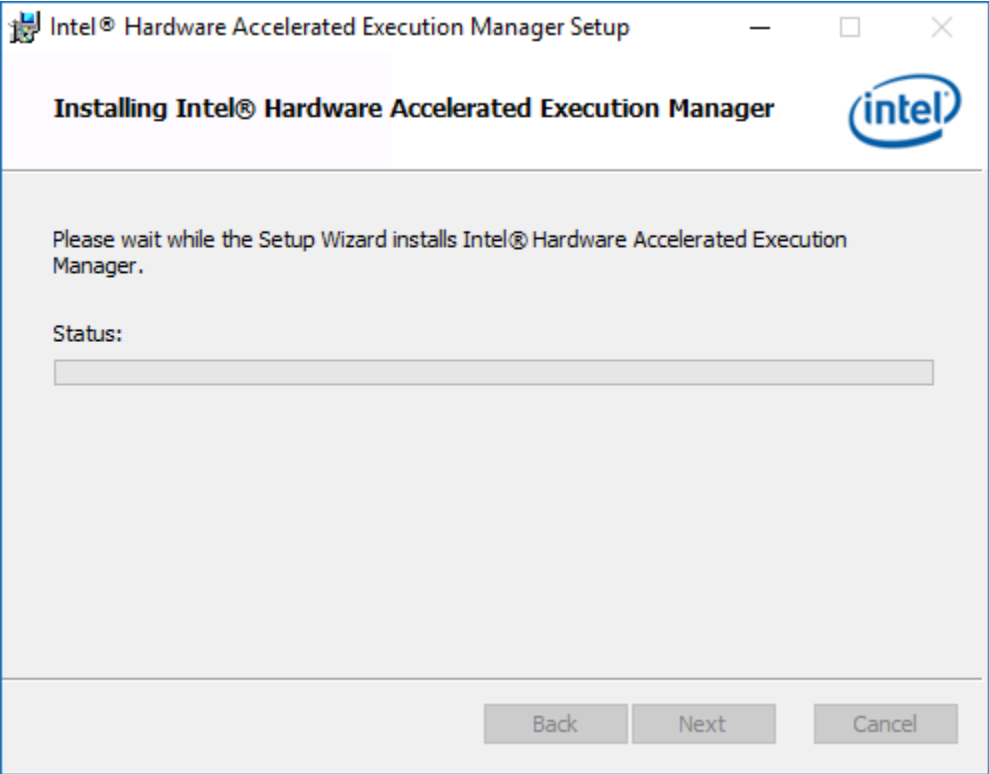
Se baja en el siguiente directorio:

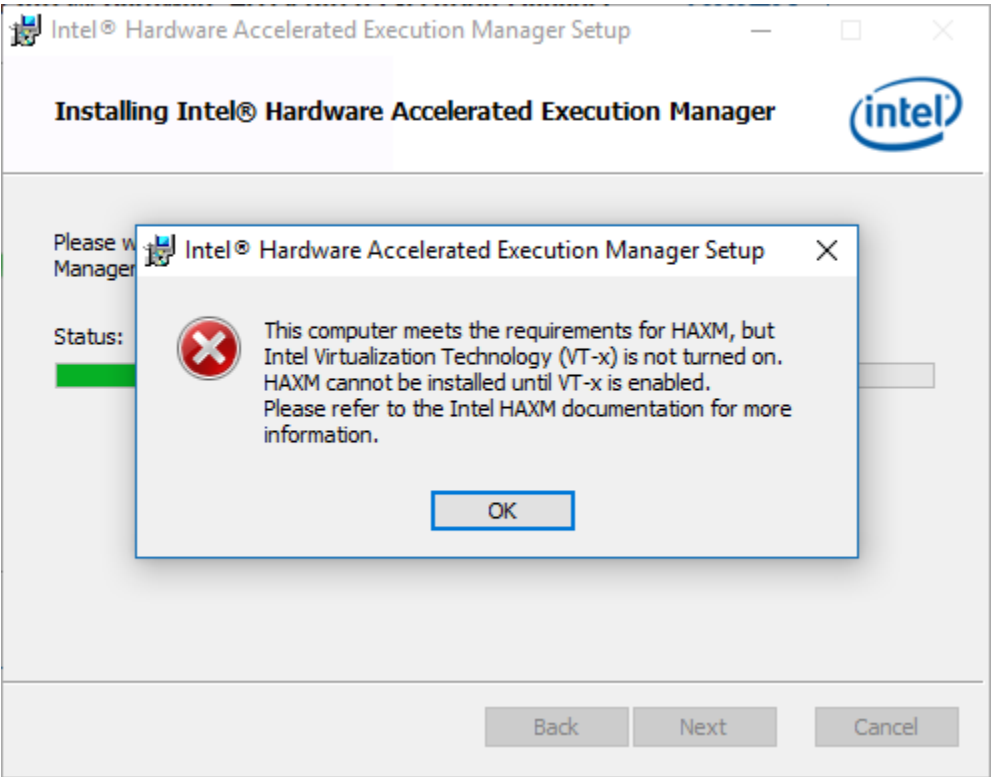


After you download it and make sure you **run** the setup located in: {SDK\_FOLDER}\extras\intel\Hardware\_Accelerated\_Execution\_Manager\intelhaxm-android.exe:

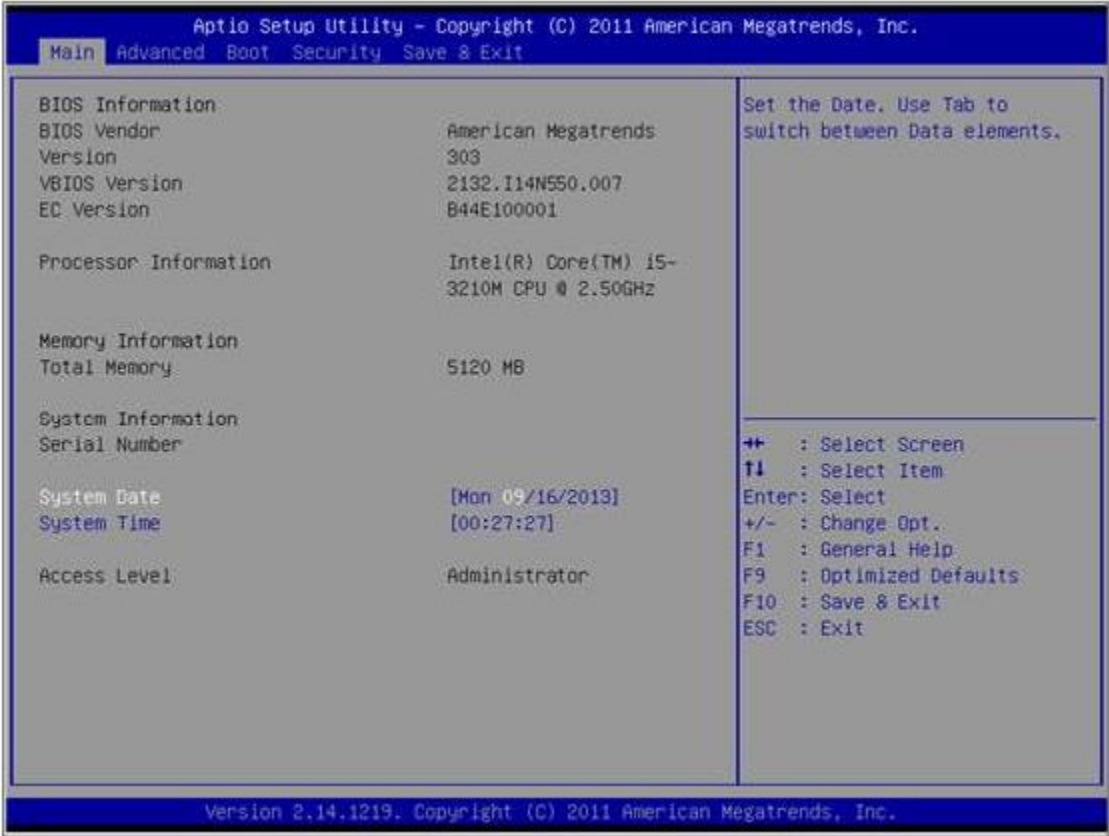


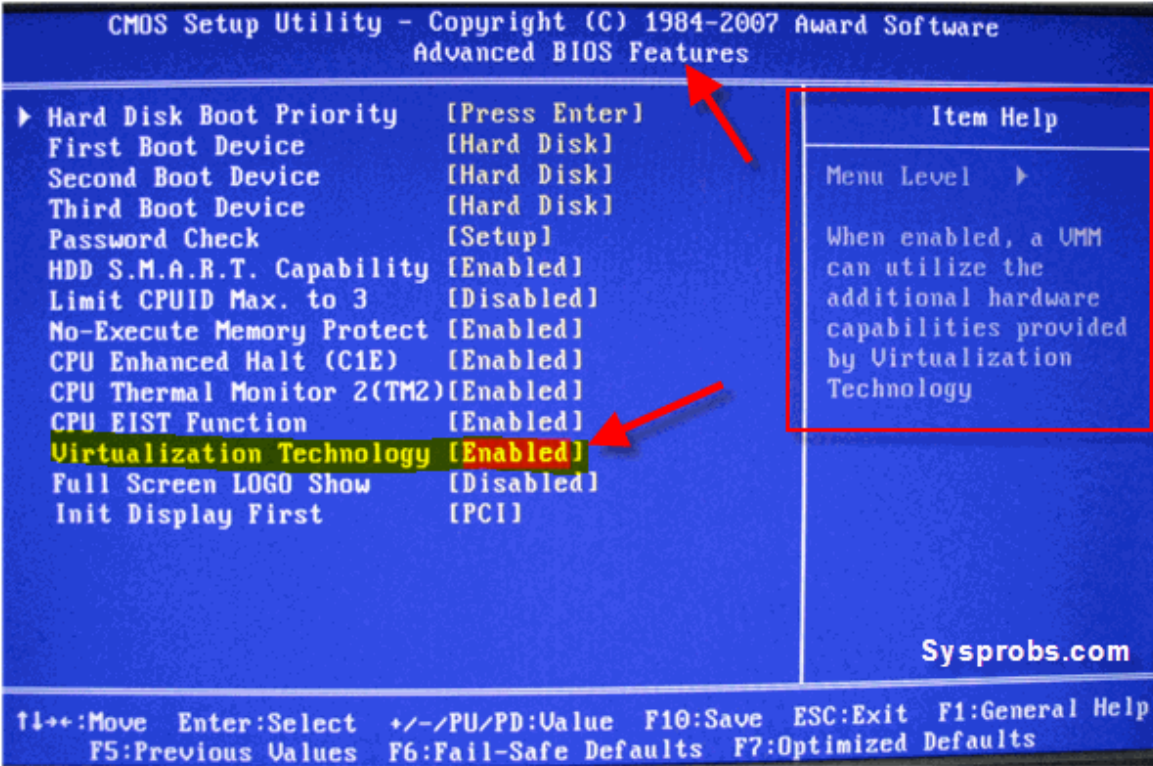






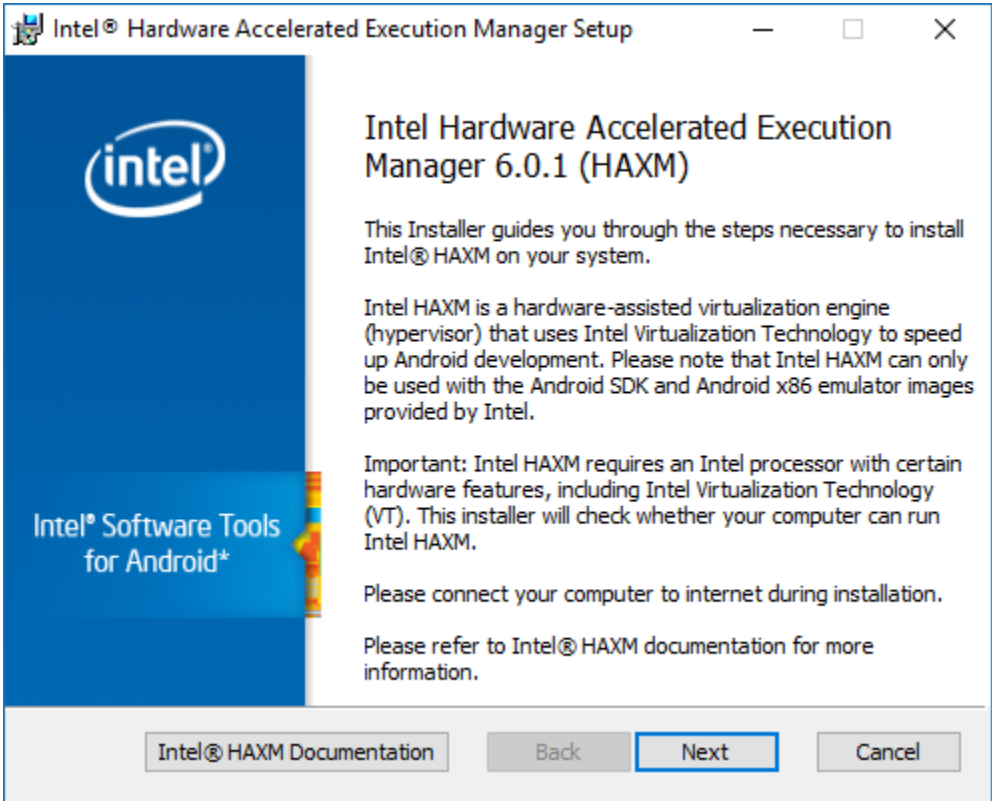
Darle OK y salir de esta ventana. **First** You must enable Intel® Virtualization Technology From BIOS: Tecla F2 sostenida y prender la computadora y aparece una pantalla similar a:



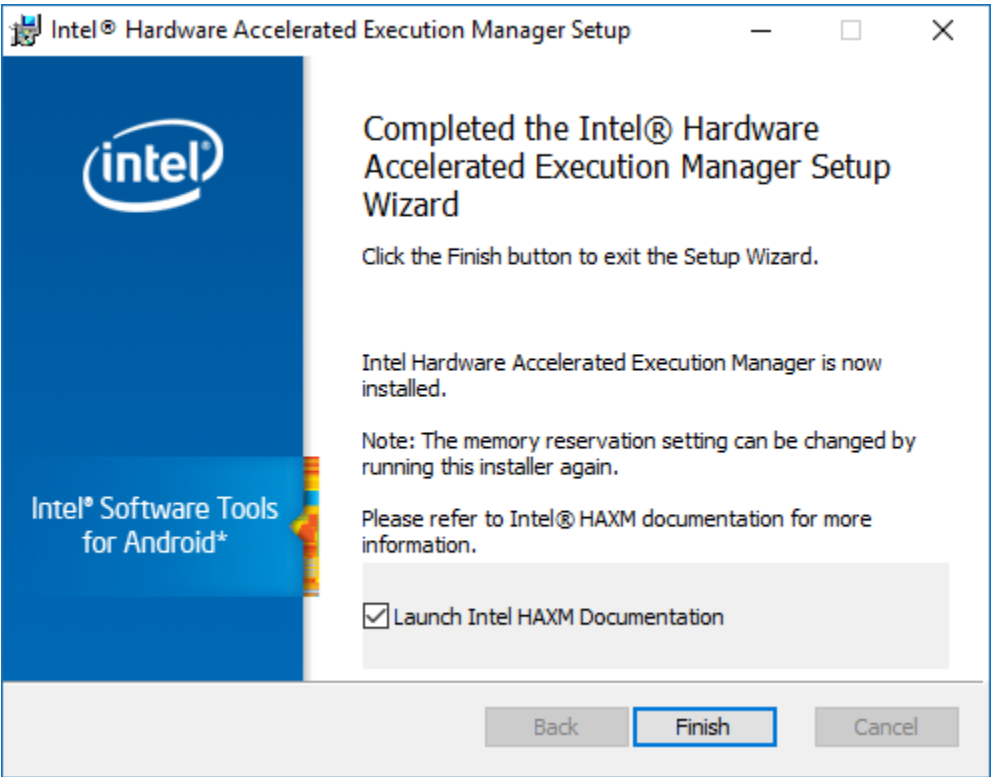


Con F5 y F6 se cambian los valores y con F10 se sale y salva los valores.

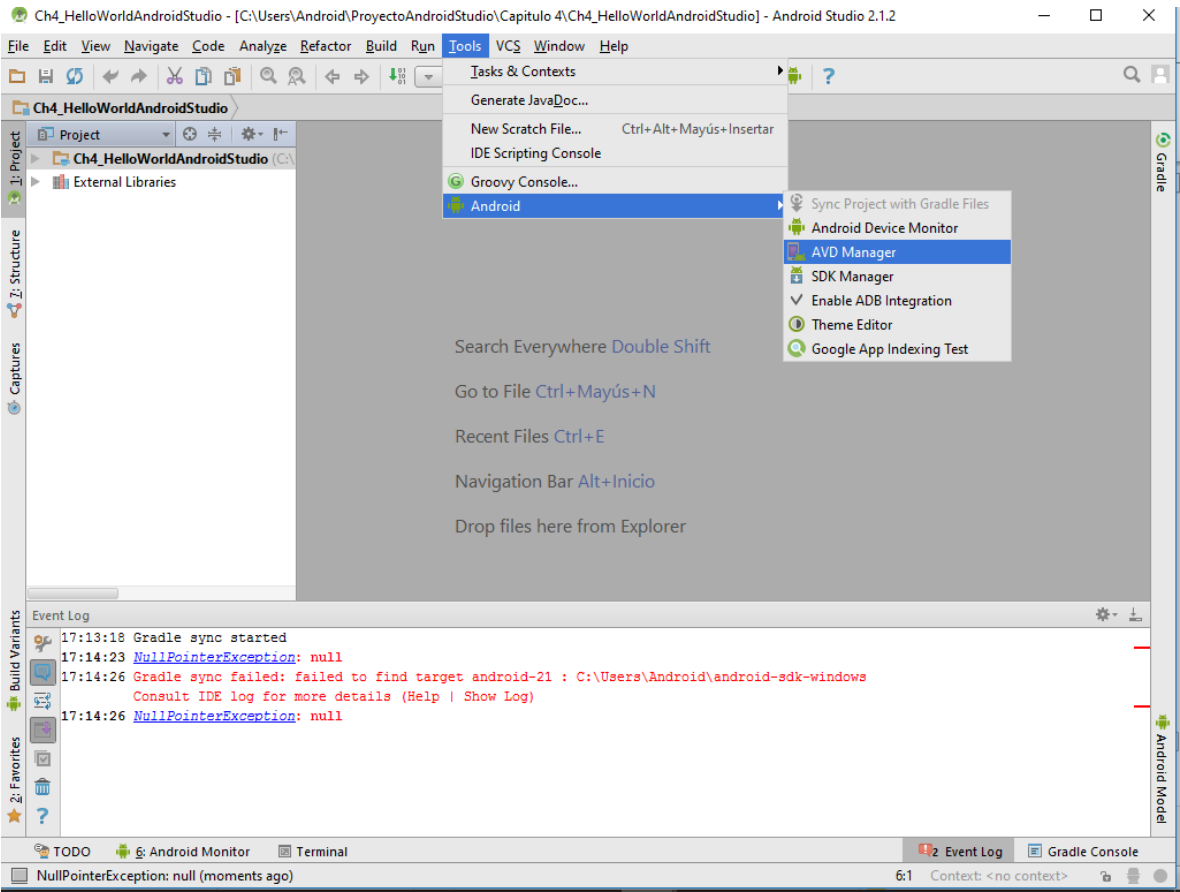
Volver a ejecutar {SDK\_FOLDER}\extras\intel\Hardware\_Accelerated\_Execution\_Manager\intelhaxm-android.exe:

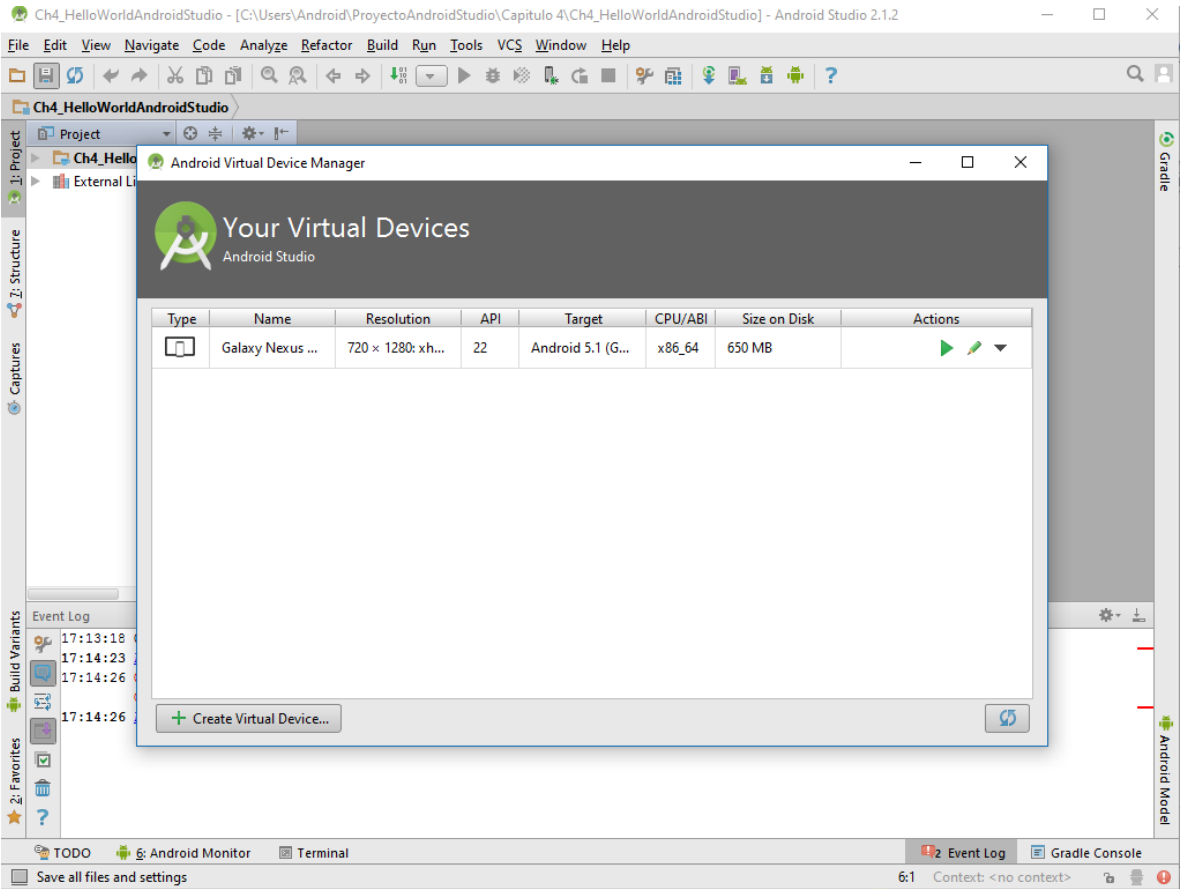




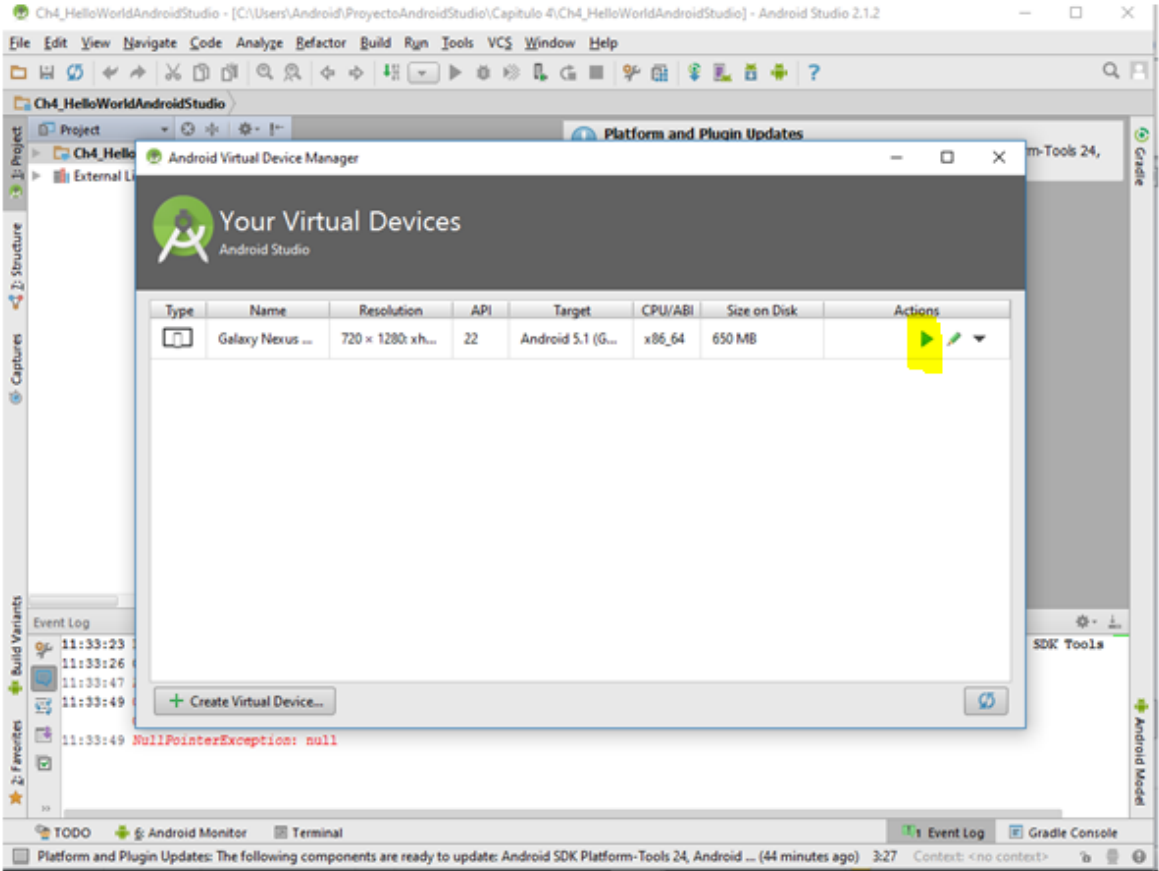


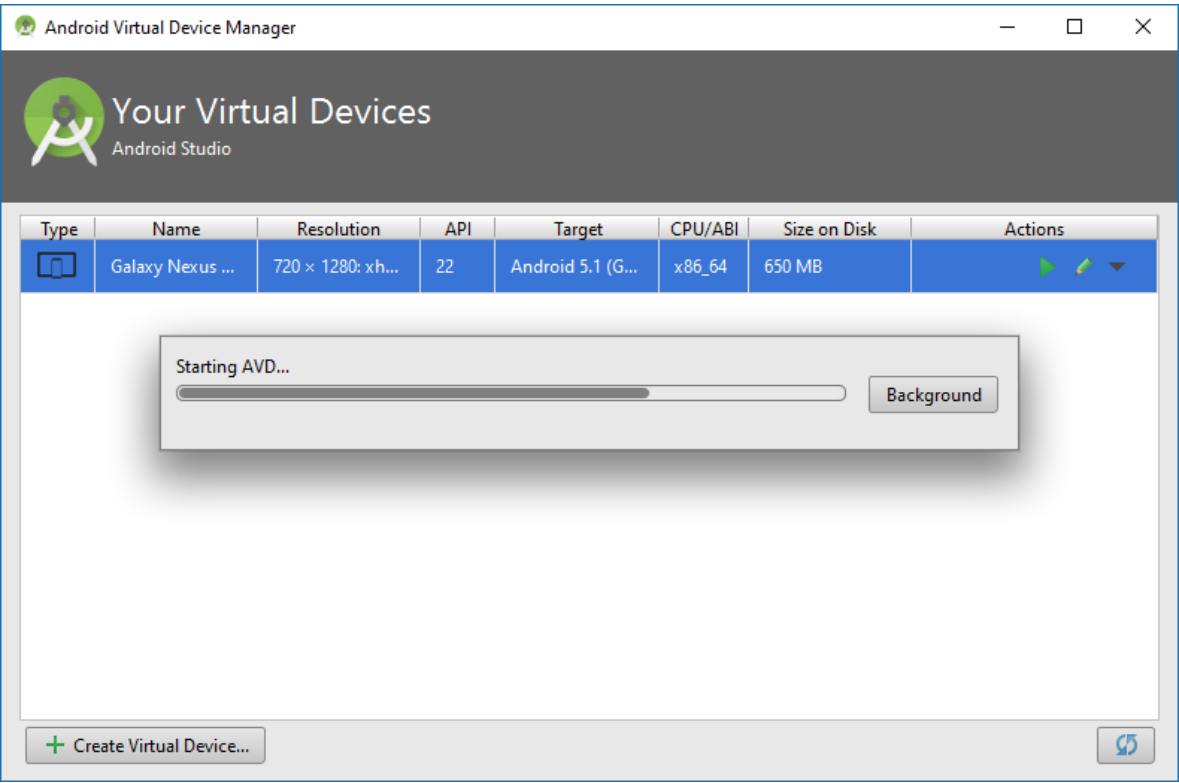
Ejecutar ahora el emulador, entrar al Android Studio:



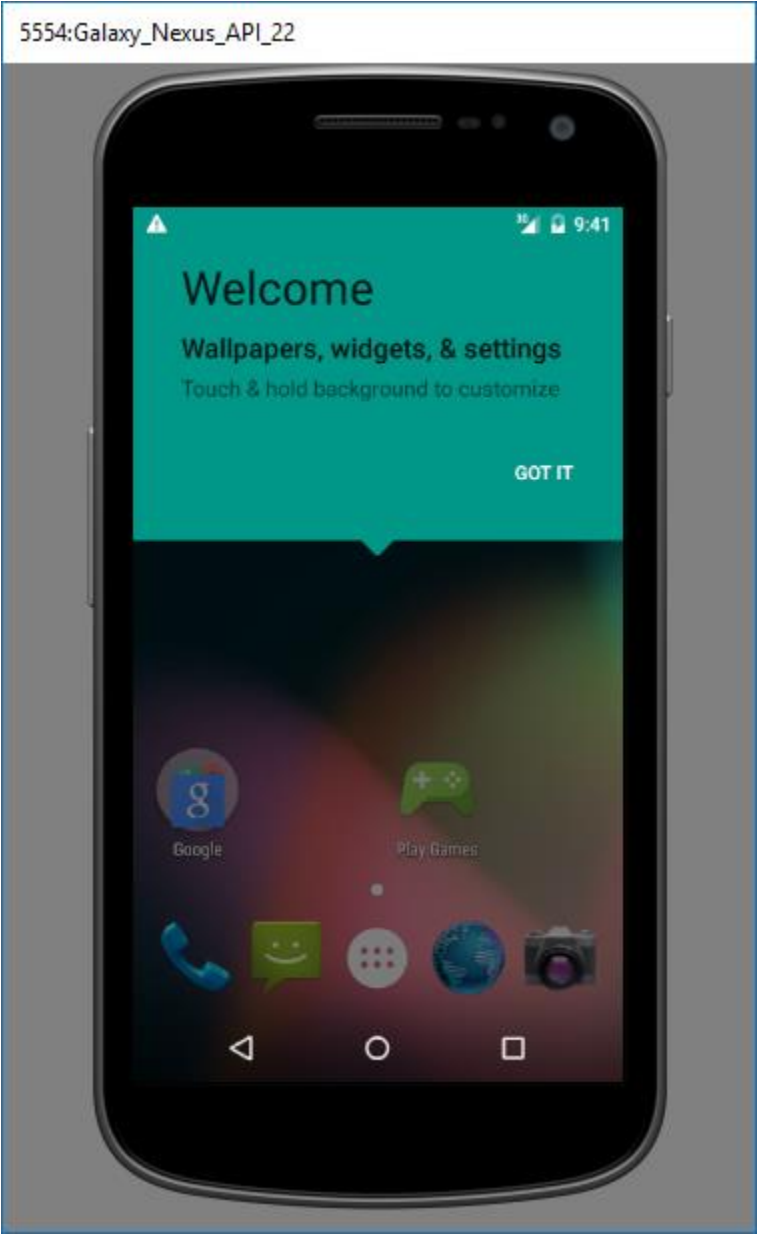


Para ejecutar el emulador, basta con hacer clic en el botón **play** que se encuentra al lado del nombre del emulador:







Tarda varios minutos en mostrar el emulador:



## Referencias:

-  <http://stackoverflow.com/questions/26355645/error-in-launching-avd-with-amd-processor>
-  <https://www.asus.com/support/faq/1013015/>