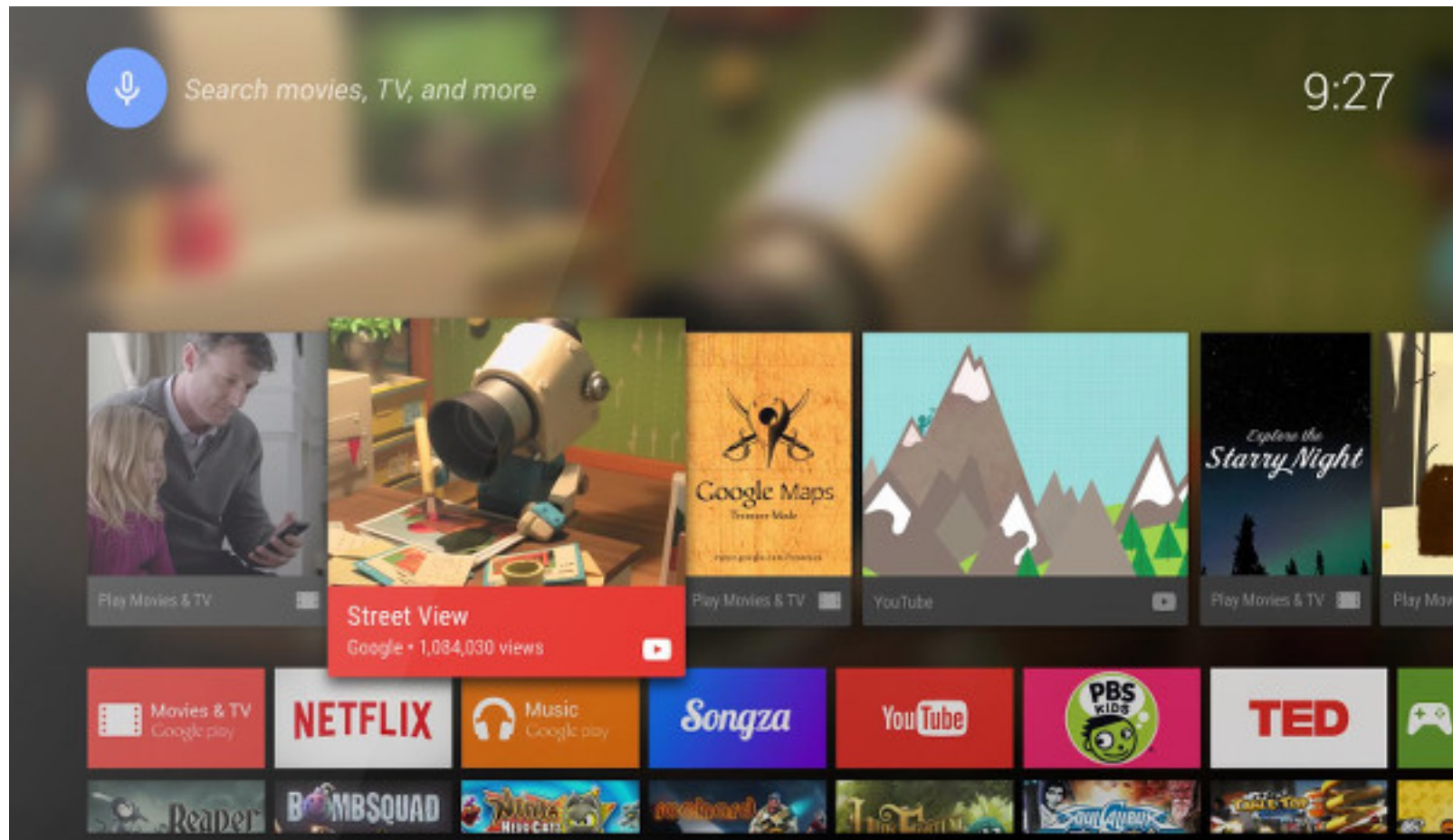


# Android TV



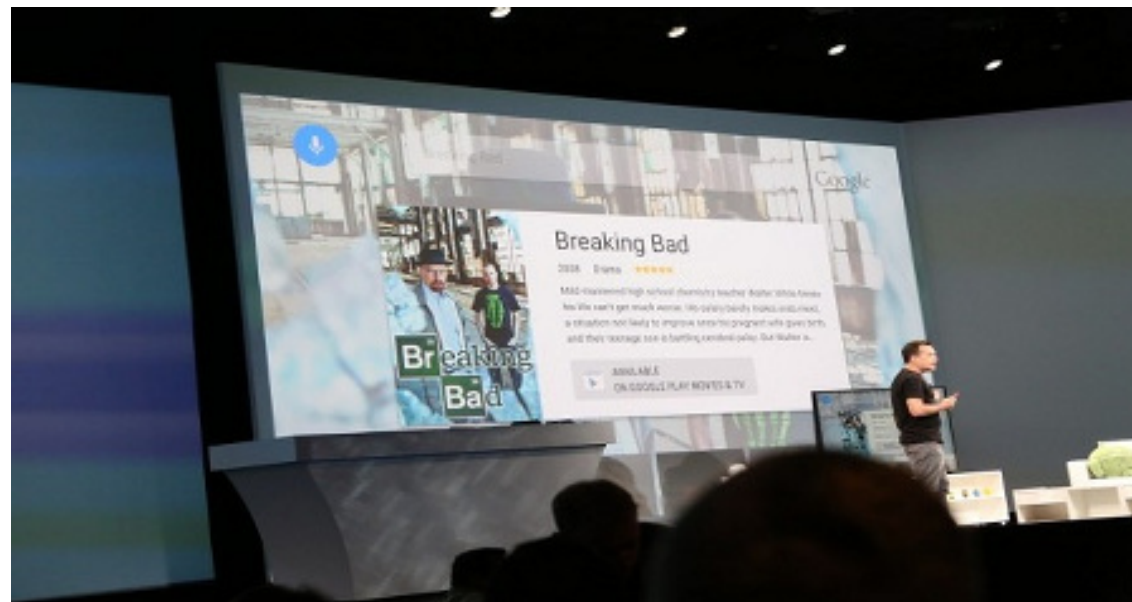
Rogelio Ferreira Escutia



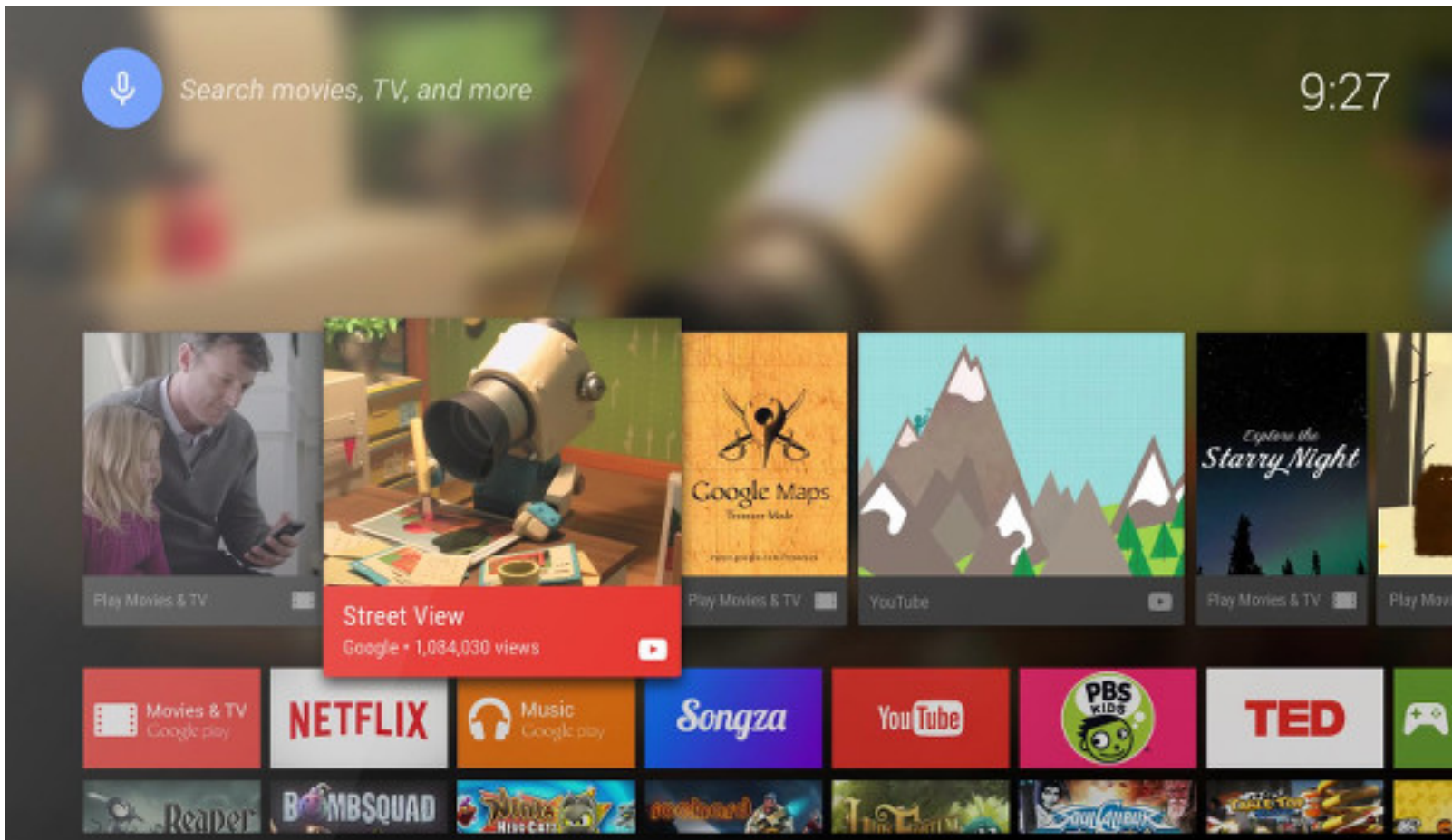
# *Conceptos*

# Android TV

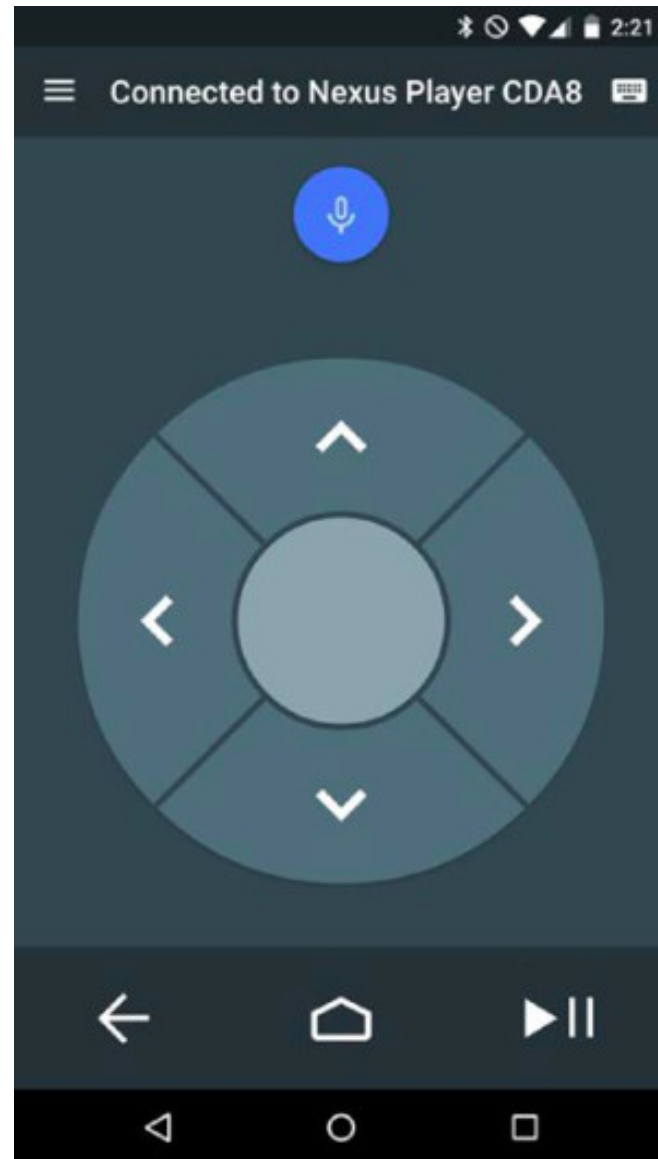
- **Android TV es una plataforma de televisión interactiva desarrollado por Google.**
- **Fué introducida en junio del 2014.**
- **Es una versión de Android optimizada para televisión.**



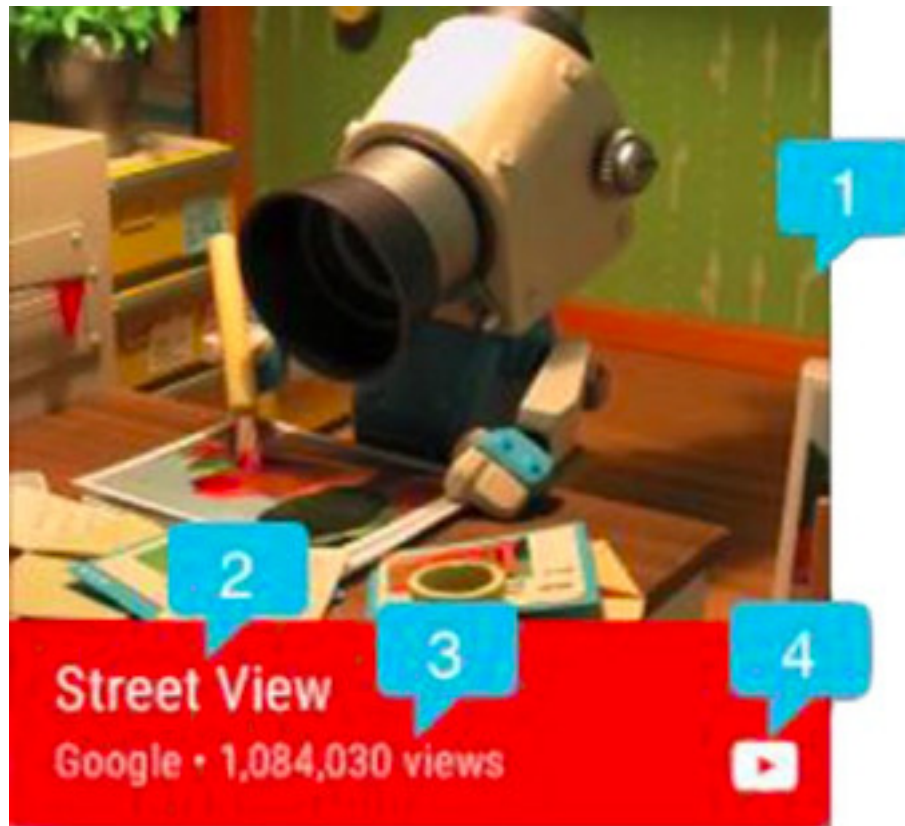
# Pantalla principal



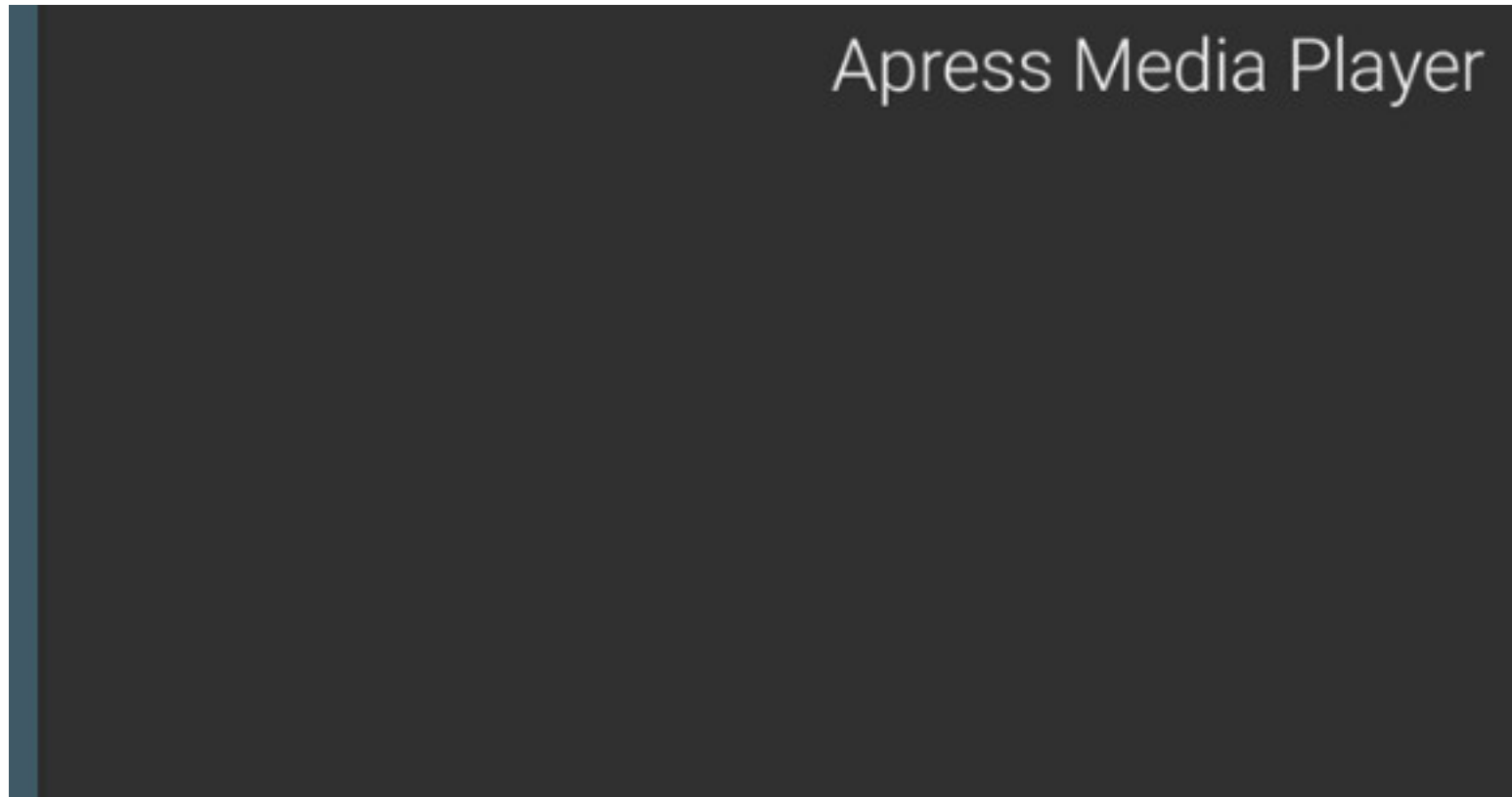
# Remote Control App



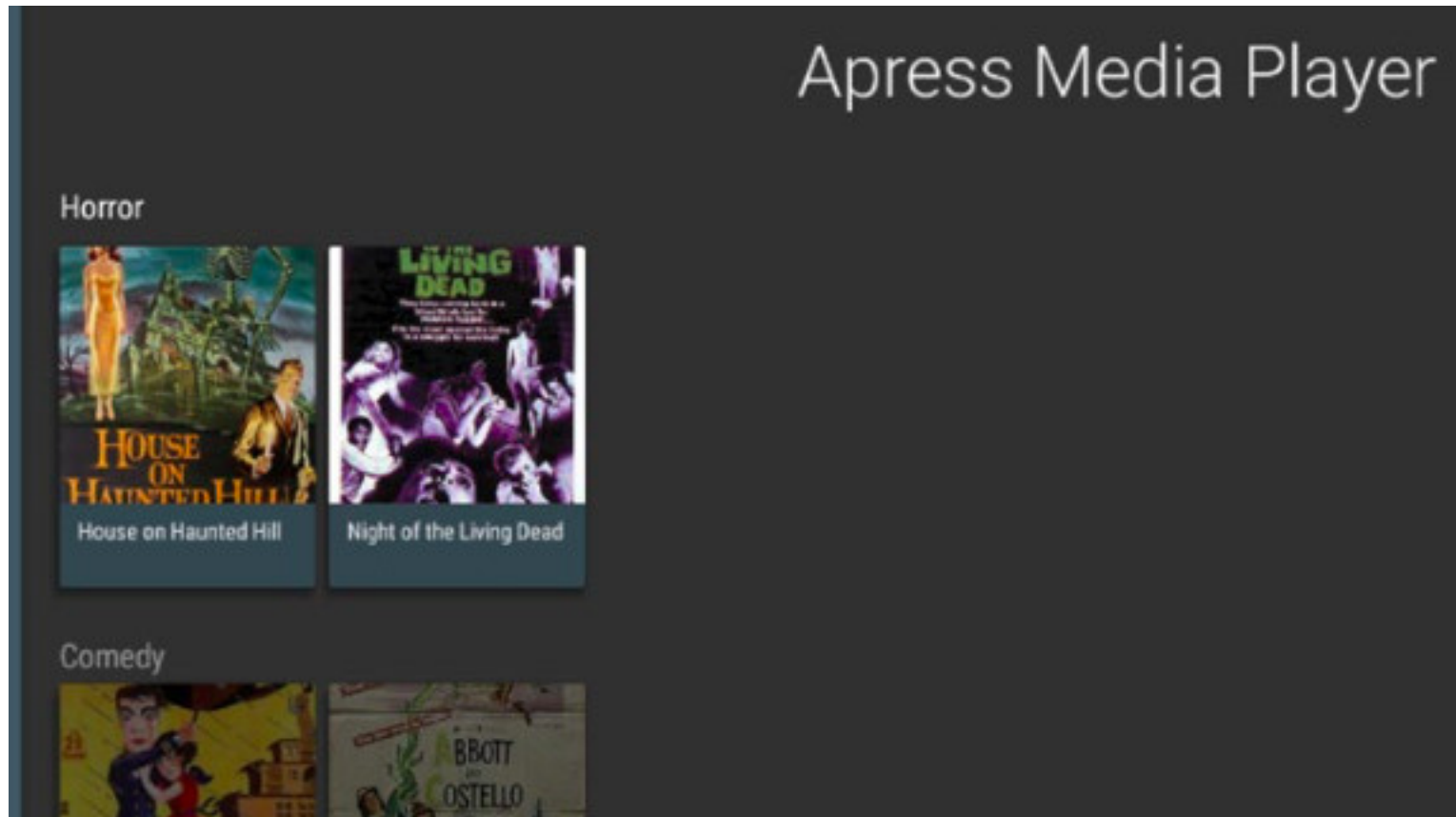
# Recomendation Card



# Crear una aplicación

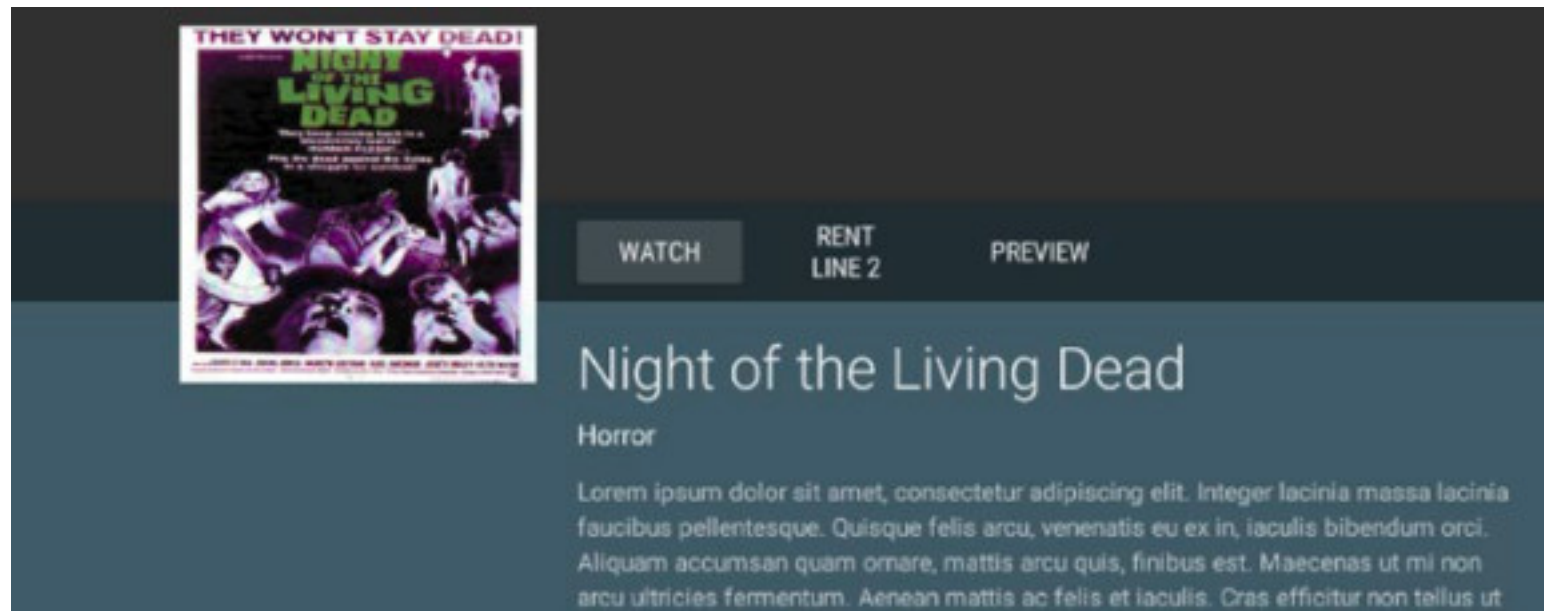


# Aplicación (browser)

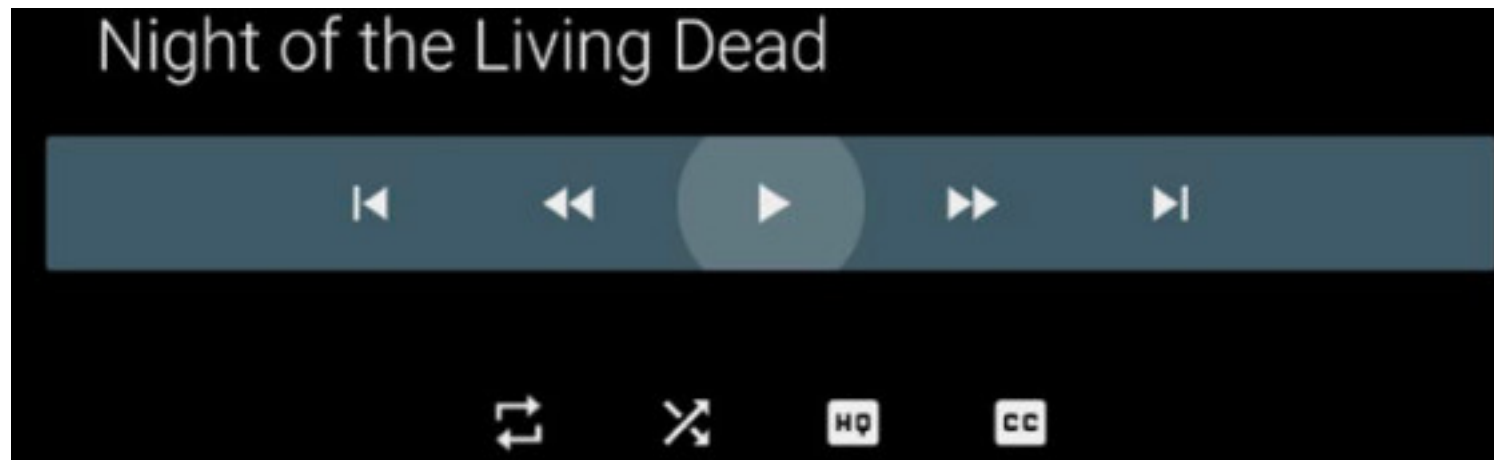




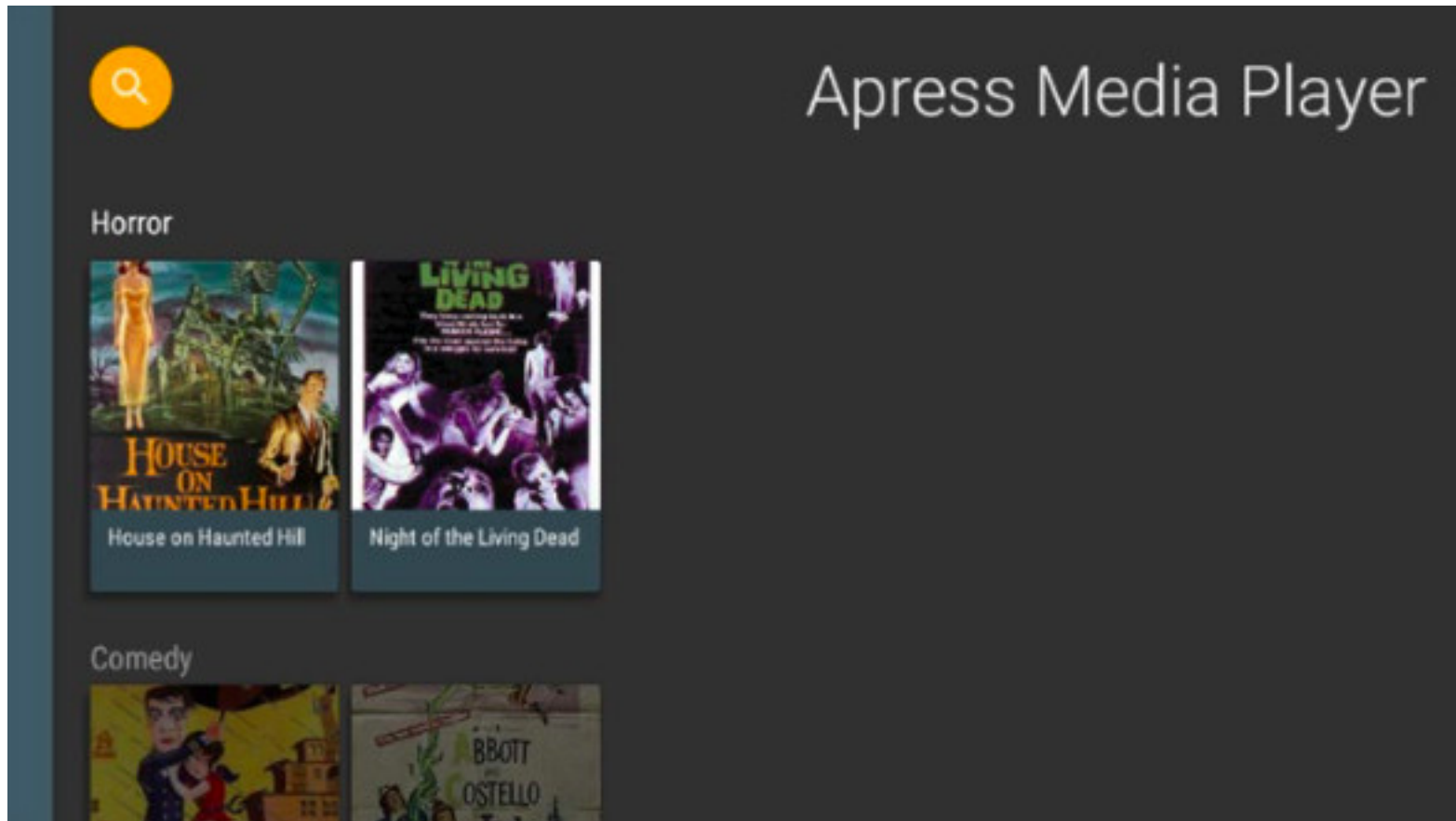
# Cargar recursos



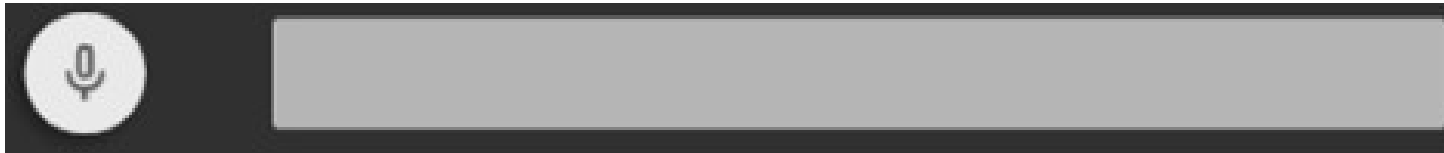
# Controles de video



# Buscador

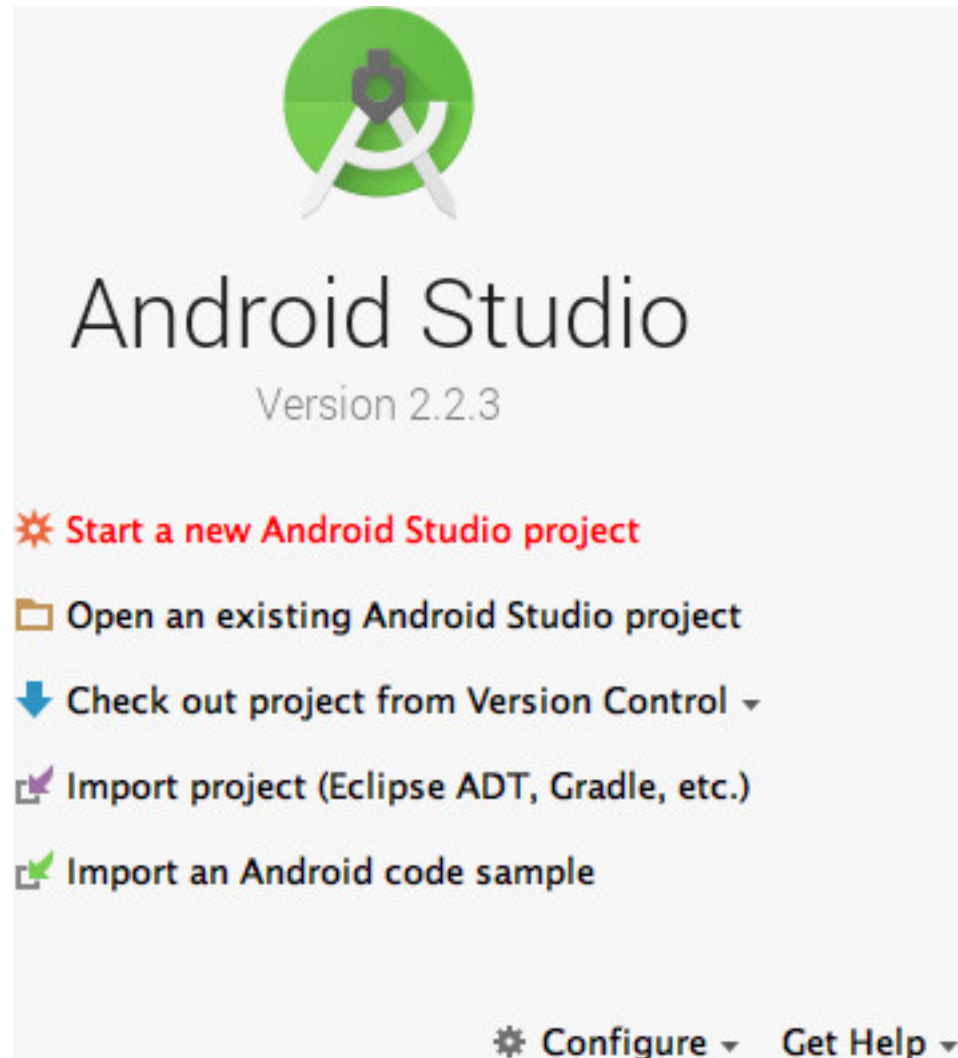


# Buscador

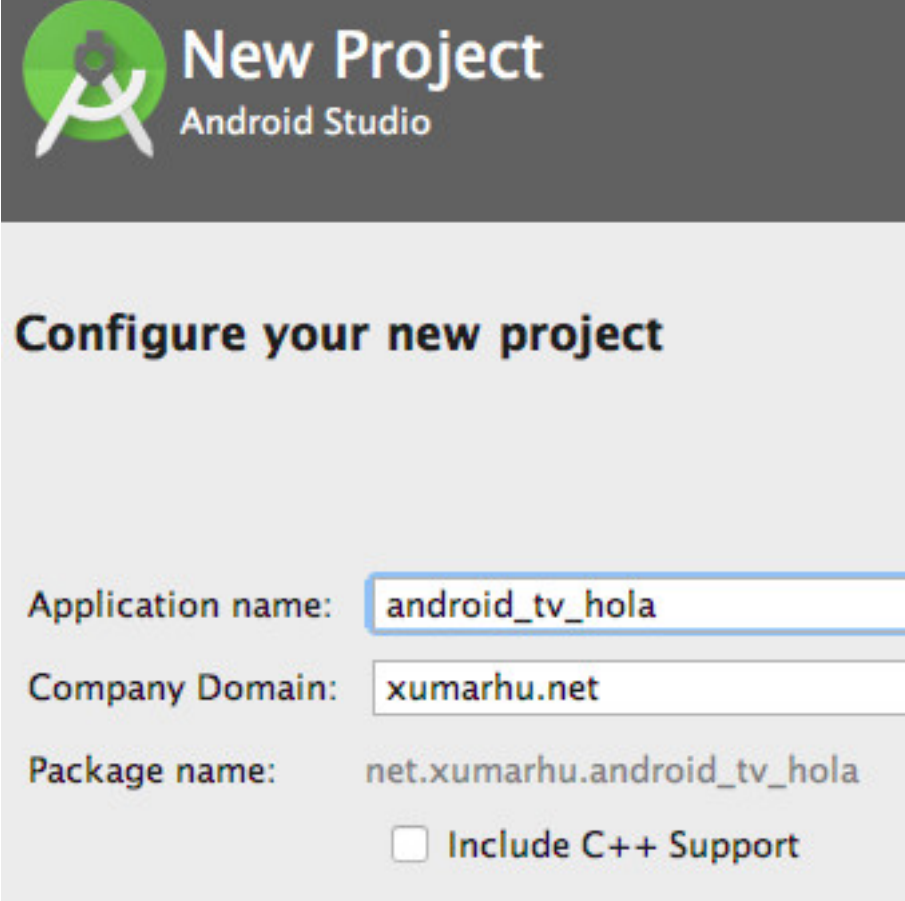


# *Creación de un Proyecto*

# Crear un nuevo proyecto



# Nombre del proyecto



**New Project**  
Android Studio

**Configure your new project**

Application name:

Company Domain:

Package name: net.xumarhu.android\_tv\_hola

Include C++ Support

# Seleccionar API



**Target Android Devices**

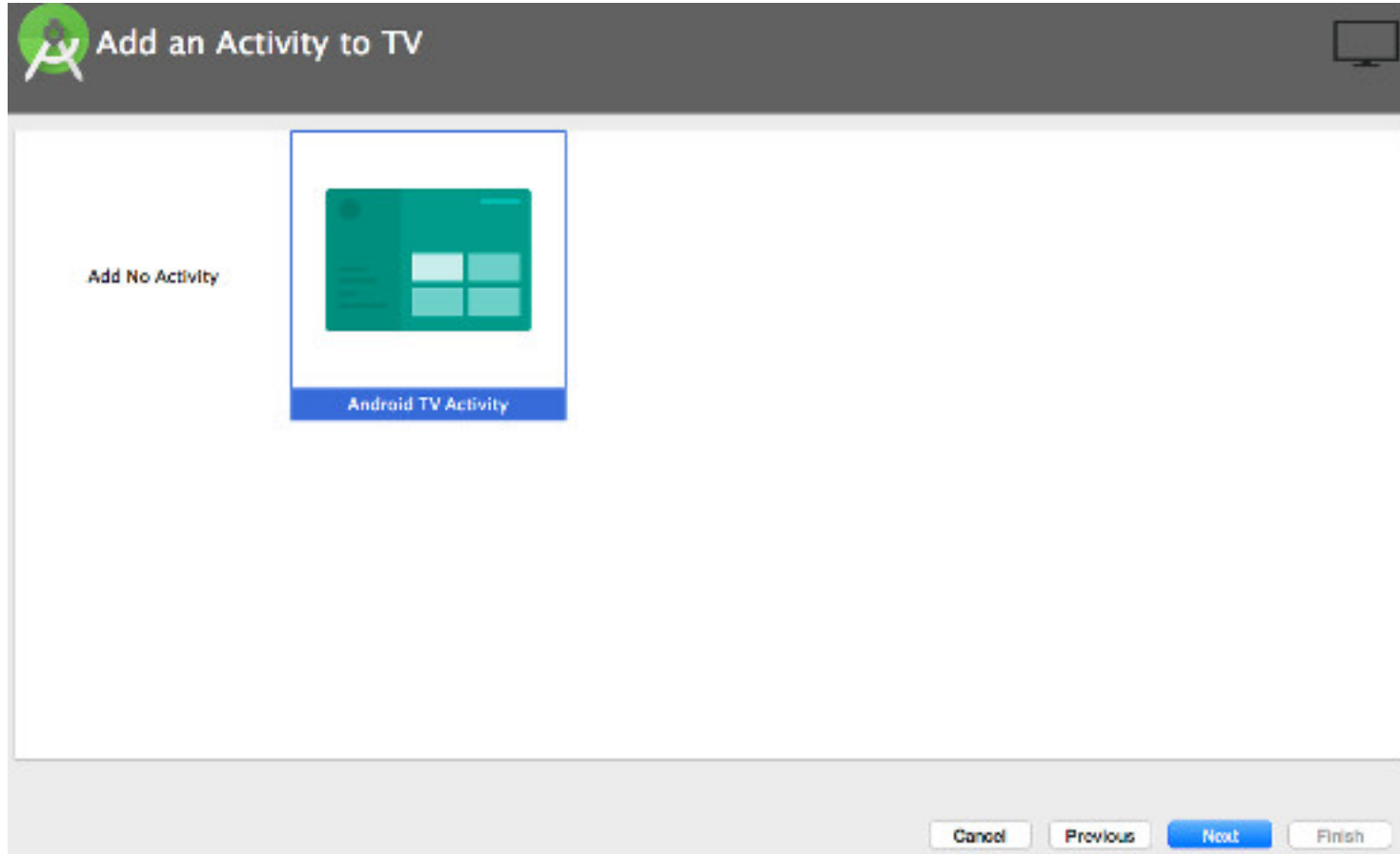
Select the form factors your app will run on

Different platforms may require separate SDKs


- Phone and Tablet
  - Minimum SDK: API 21: Android 5.0 (Lollipop)
  - Lower API levels target more devices, but have fewer features. By targeting API 21 and later, your app will only run on devices that are active on the Google Play Store.  
[Help me choose](#)
- Wear
  - Minimum SDK: API 21: Android 5.0 (Lollipop)
- TV
  - Minimum SDK: API 21: Android 5.0 (Lollipop)
- Android Auto
- Glass
  - Minimum SDK: Glass Development Kit Preview (API 19)



# Seleccionar Activity




# Ajustando Activity



## Customize the Activity

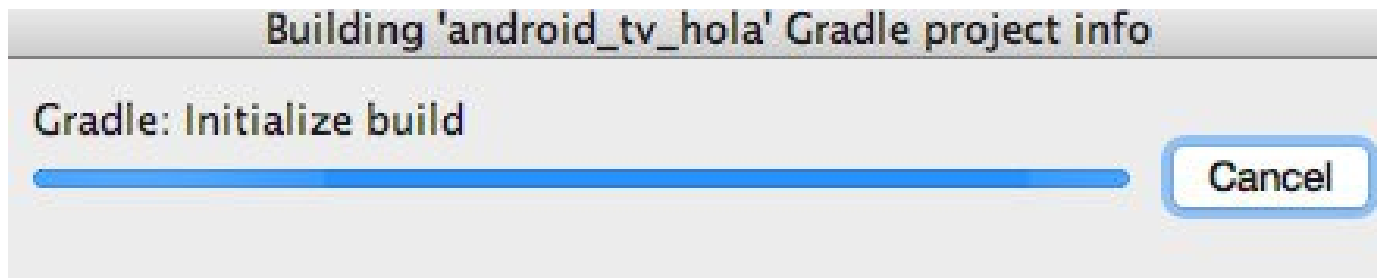
Creates a new Android TV activity using Leanback Support library.

Activity Name:	MainActivity
Main Layout Name:	activity_main
Main Fragment:	MainFragment
Title:	MainActivity Title
Details Activity:	DetailsActivity
Details Layout Name:	activity_details
Details Fragment:	VideoDetailsFragment

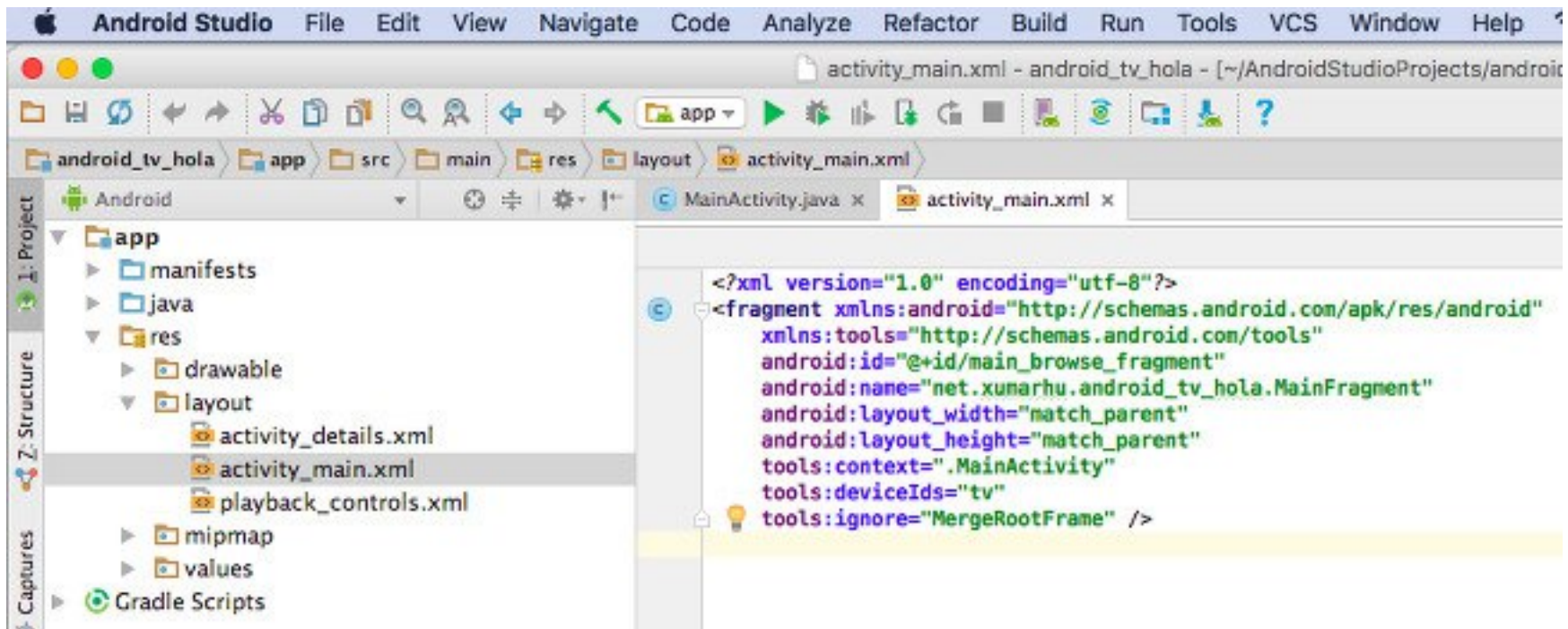


Android TV Activity

# Creando el proyecto

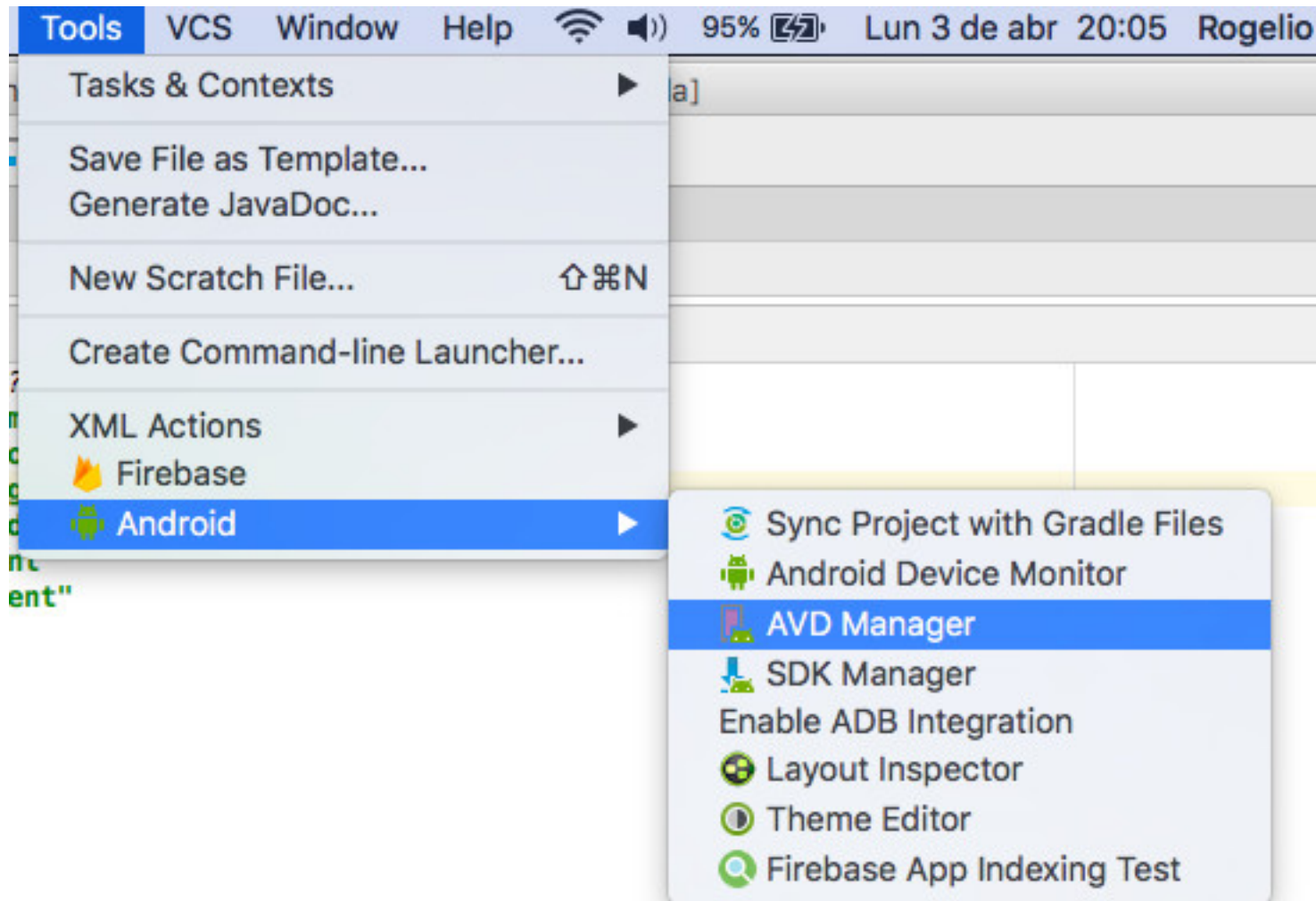


# Proyecto listo



```
<?xml version="1.0" encoding="utf-8"?>
<fragment xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main_browse_fragment"
    android:name="net.xunarhu.android_tv_hola.MainFragment"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    tools:deviceIds="tv"
    tools:ignore="MergeRootFrame" />
```

# Crear un nuevo AVD



# Crear un nuevo AVD



# Crear un nuevo AVD

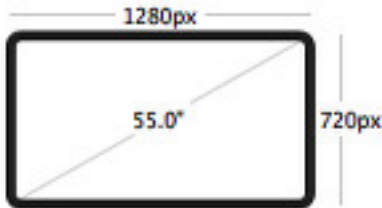
Select Hardware  
Android Studio

Choose a device definition

Q\*


Category	Name	Size	Resolution	Density
TV	Android TV (720p)	55.0"	1280x720	tvdpi
Wear	Android TV (1080p)	55.0"	1920x1080	xhdpi
Phone				
Tablet				

**Android TV (720p)**



Size: xlarge  
Ratio: long  
Density: tvdpi

# Crear un nuevo AVD


 **System Image**  
Android Studio

Select a system image

Recommended x86 Images Other Images

Release Name	API Level	ABI	Target
Nougat <a href="#">Download</a>	25	x86	Android 7.1.1 (with Android T
Nougat <a href="#">Download</a>	24	x86	Android 7.0 (with Android T
Marshmallow <a href="#">Download</a>	23	x86	Android 6.0 (with Android T
Lollipop <a href="#">Download</a>	22	x86	Android 5.1 (with Android T

**Nougat**



API Level  
**25**

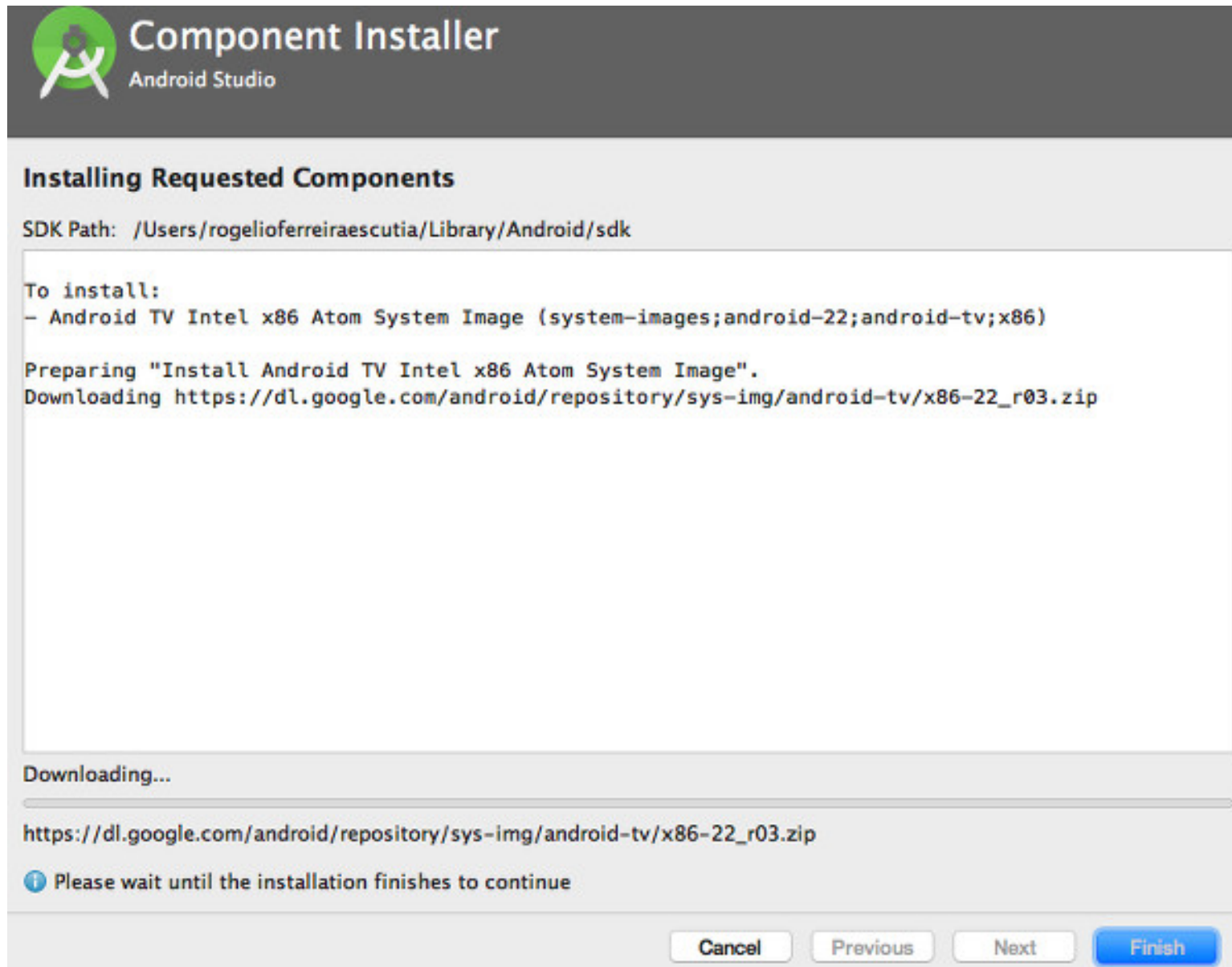
Android  
**7.1.1**

**Android**


System Image  
**x86**



# Crear un nuevo AVD



# Crear un nuevo AVD


 **System Image**  
Android Studio

Select a system image

Recommended x86 Images Other Images

Release Name	API Level	ABI	Target
<a href="#">Nougat Download</a>	25	x86	Android 7.1.1 (with Android T
<a href="#">Nougat Download</a>	24	x86	Android 7.0 (with Android T
<a href="#">Marshmallow Download</a>	23	x86	Android 6.0 (with Android T
<b>Lollipop</b>	<b>22</b>	<b>x86</b>	<b>Android 5.1 (with Android T</b>

**Lollipop**



API Level  
**22**

Android  
**5.1**  
**Android**

System Image  
**x86**

# Crear un nuevo AVD

The screenshot shows the 'Android Virtual Device (AVD)' configuration window in Android Studio. The window title is 'Android Virtual Device (AVD)' with the Android Studio logo. The main section is titled 'Verify Configuration'. It contains several settings:

- AVD Name:** A text field containing 'Android TV (720p) API 22'.
- Device:** A section with a 'Change...' button. It shows 'Android TV (720p)' with resolution '55.0 1280x720 tvdpi'.
- System Image:** A section with a 'Change...' button. It shows 'Lollipop' with API level 'Android 5.1 x86'.
- Startup orientation:** Two radio buttons: 'Portrait' and 'Landscape'. 'Landscape' is selected.
- Emulated Performance:** A section with a 'Graphics:' dropdown menu set to 'Automatic'.
- Device Frame:** A checkbox labeled 'Enable Device Frame' which is checked.

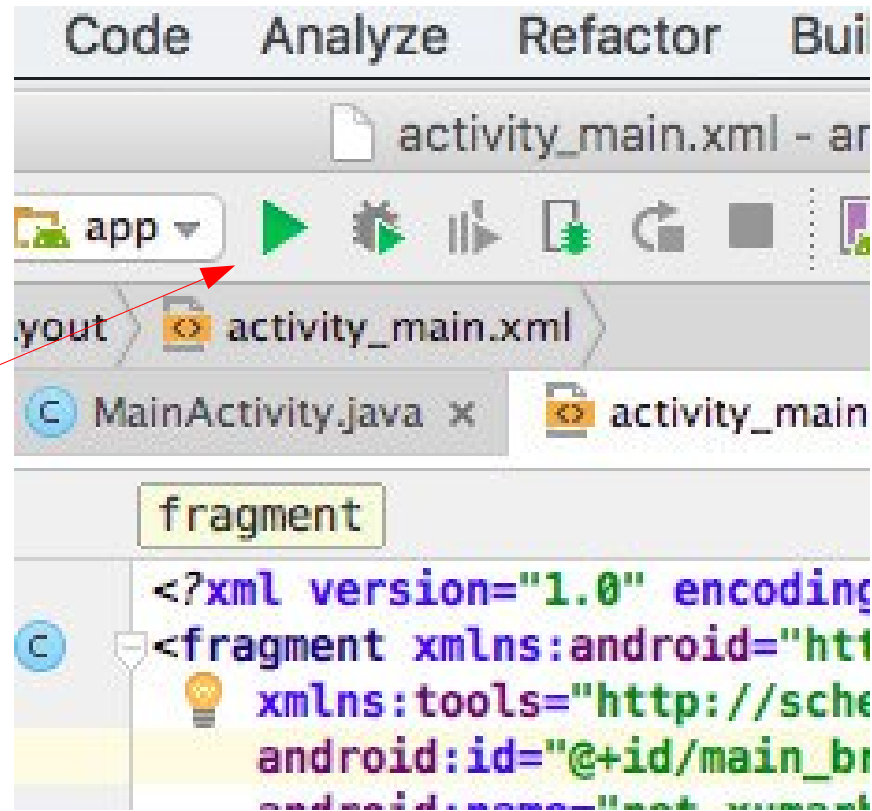
At the bottom left, there is a 'Show Advanced Settings' button. At the bottom right, there are four buttons: '?', 'Cancel', 'Previous', 'Next', and 'Finish'.

# Crear un nuevo AVD

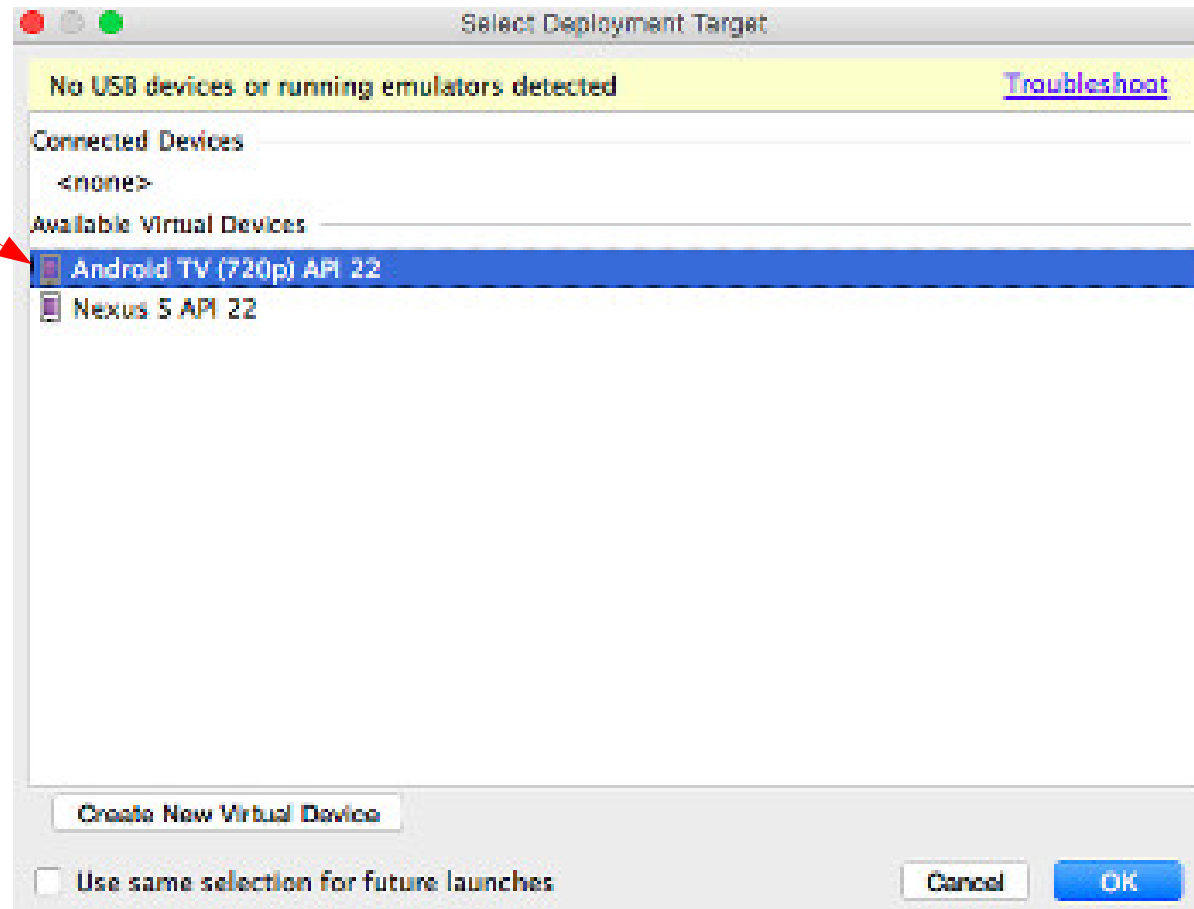
 Your Virtual Devices  
Android Studio

Type	Name	Resolution	API	Target	CPU/ABI	Size on Disk	Actions
	Android TV (720p) API 22	1280 x 720: tvdpi	22	Android 5.1 (Android TV)	x86	650 MB	  
	Nexus S API 22	1080 x 1920: 420dpi	22	Android 5.1 (Google APIs)	x86	1 GB	  

# Ejecución



# Ejecución





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                      http://www.xumarhu.net/***

***Twitter:           http://twitter.com/rogeplus  
Facebook:       http://www.facebook.com/groups/xumarhu.net/***