Deber 03

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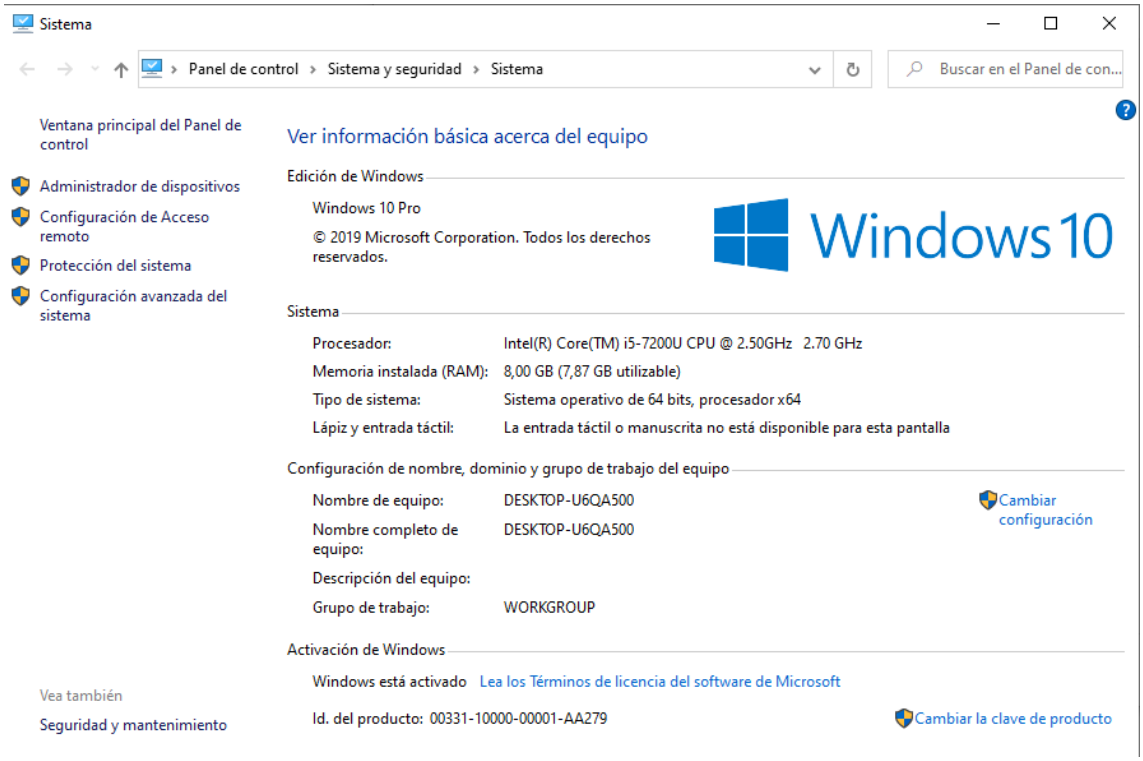
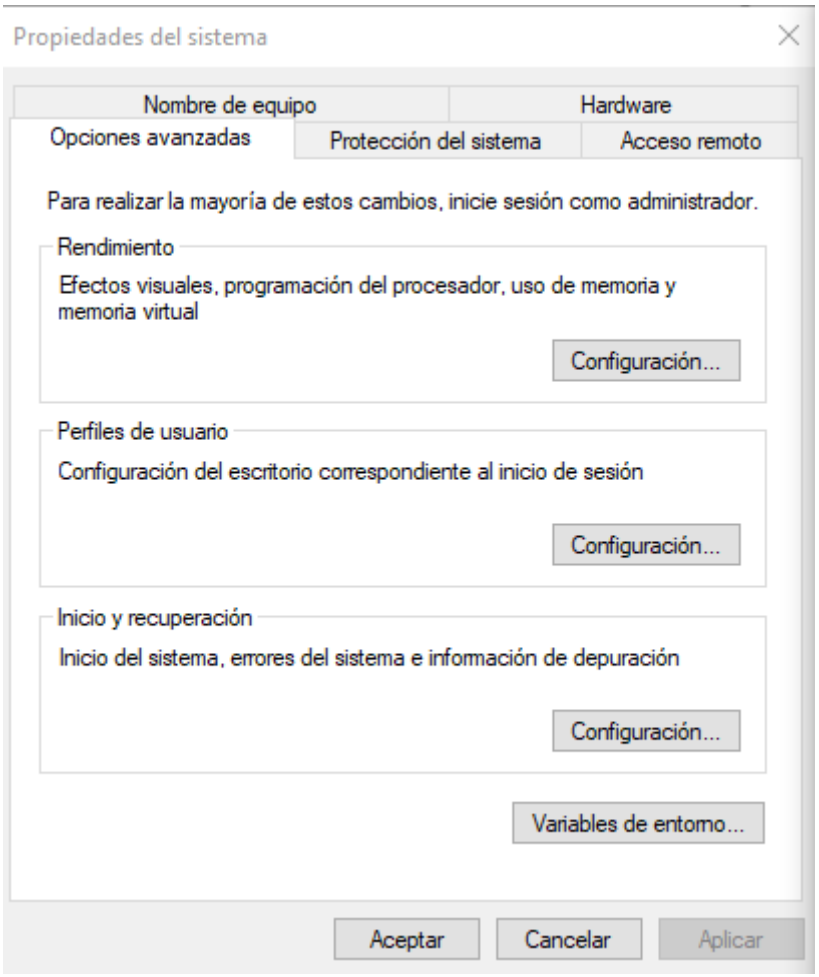
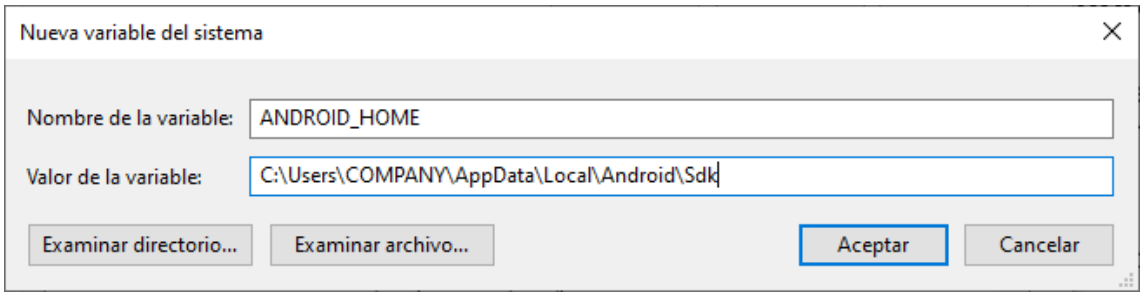
Fecha: 1 de Julio

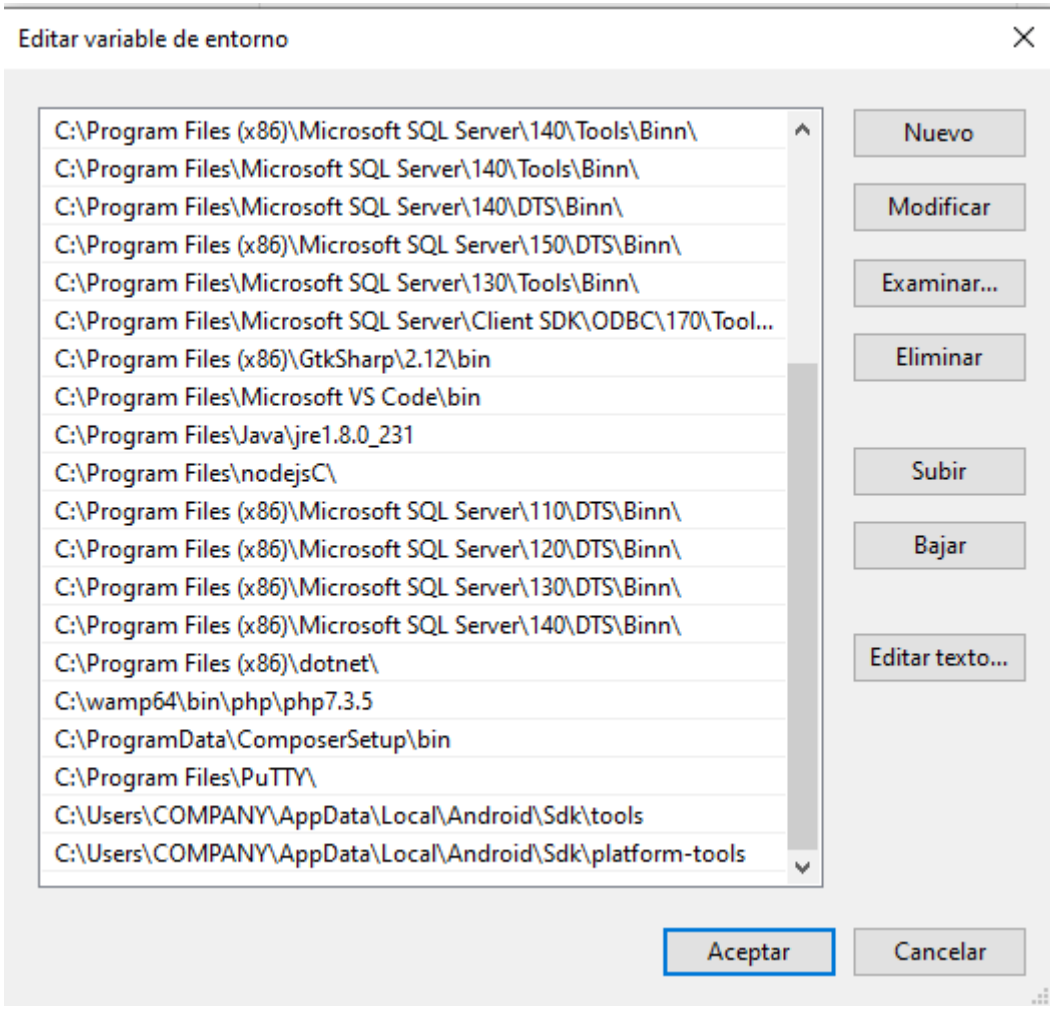
1) Establecer las variables de Entorno de Android SDK

Referencia. - https://www.360logica.com/blog/how-to-set-path-environmental-variable-for-sdk-in-windows/




Propiedades del sistema
Nombre de equipo
Hardware
Opciones avanzadas
Protección del sistema
Acceso remoto
Para realizar la mayoría de estos cambios, inicie sesión como administrador.
Rendimiento
Efectos visuales, programación del procesador, uso de memoria y memoria virtual
Configuración...
Perfiles de usuario
Configuración del escritorio correspondiente al inicio de sesión
Configuración...
Inicio y recuperación
Inicio del sistema, errores del sistema e información de depuración
Configuración...
Variables de entorno...
Aceptar
Cancelar
Aplicar


Nueva variable del sistema
Nombre de la variable:
ANDROID_HOME
Valor de la variable:
C:\Users\COMPANY\AppData\Local\Android\Sdk
Examinar directorio...
Examinar archivo...
Aceptar
Cancelar



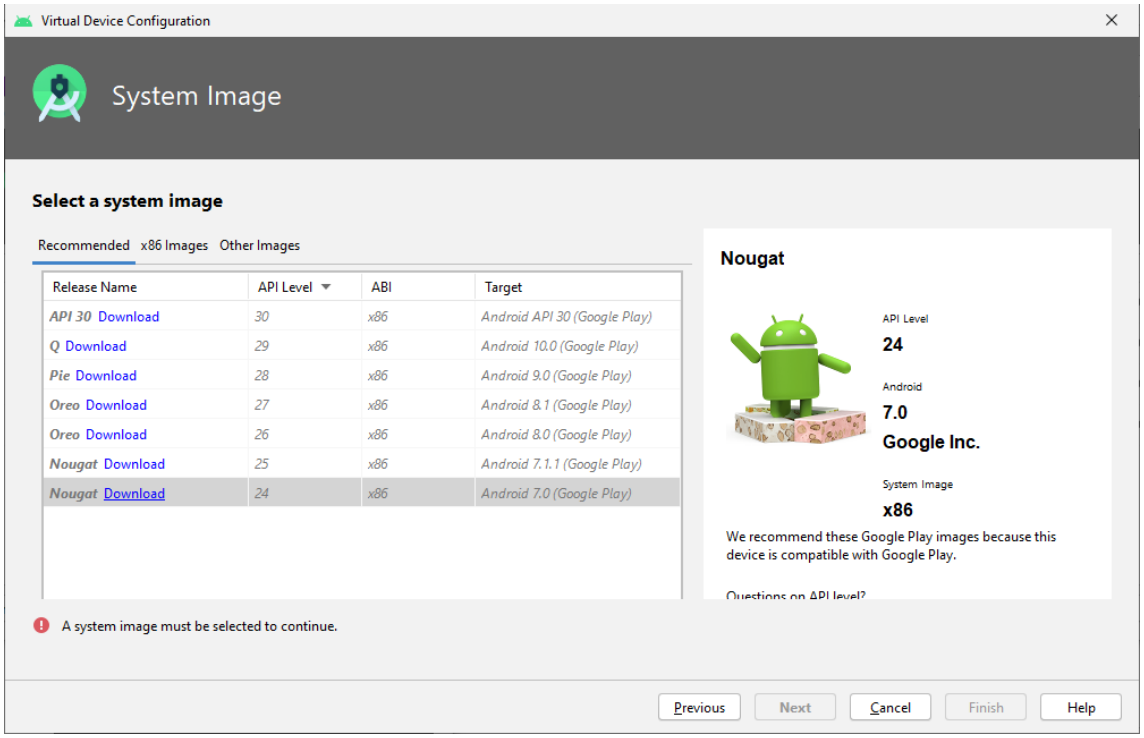

```
C:\Users\COMPANY>android
"android" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.
```

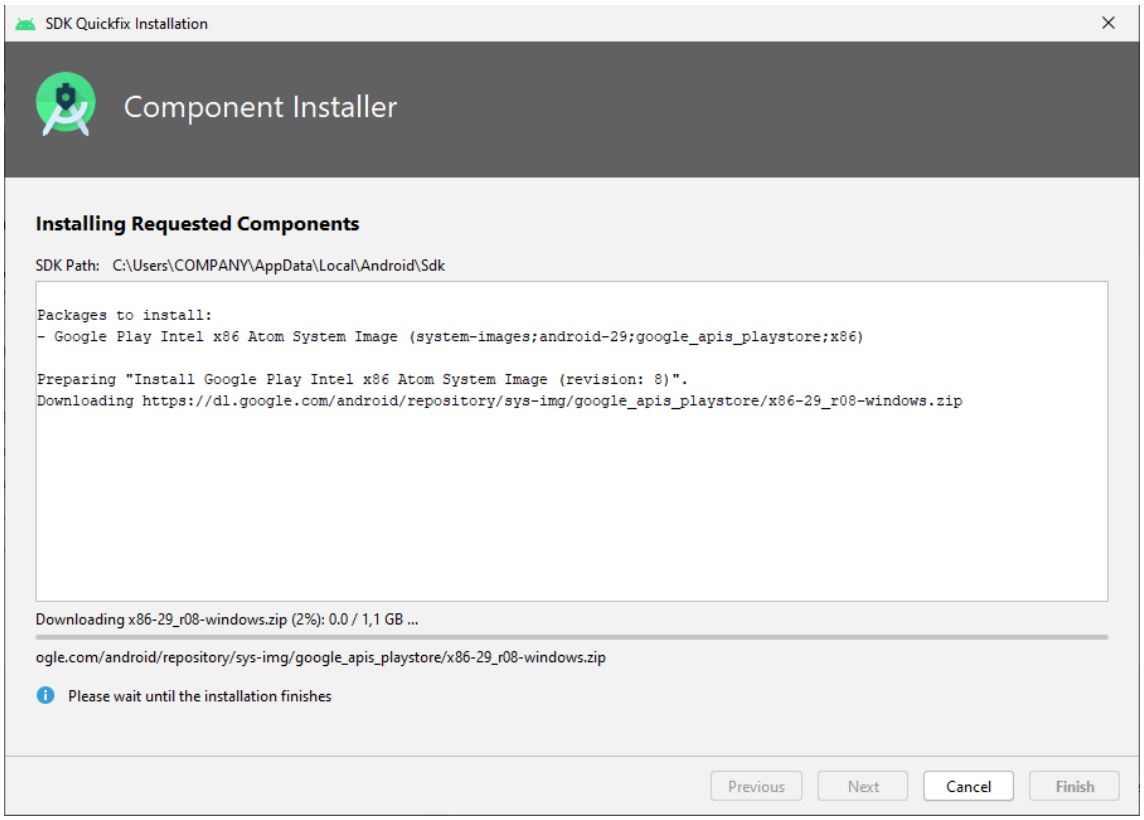
```
C:\Users\COMPANY>android
********************************************************************************
The "android" command is deprecated.
For manual SDK, AVD, and project management, please use Android Studio.
For command-line tools, use tools\bin\sdkmanager.bat
and tools\bin\avdmanager.bat
********************************************************************************

Invalid or unsupported command ""

Supported commands are:
android list target
android list avd
android list device
android create avd
android move avd
android delete avd
android list sdk
android update sdk
```

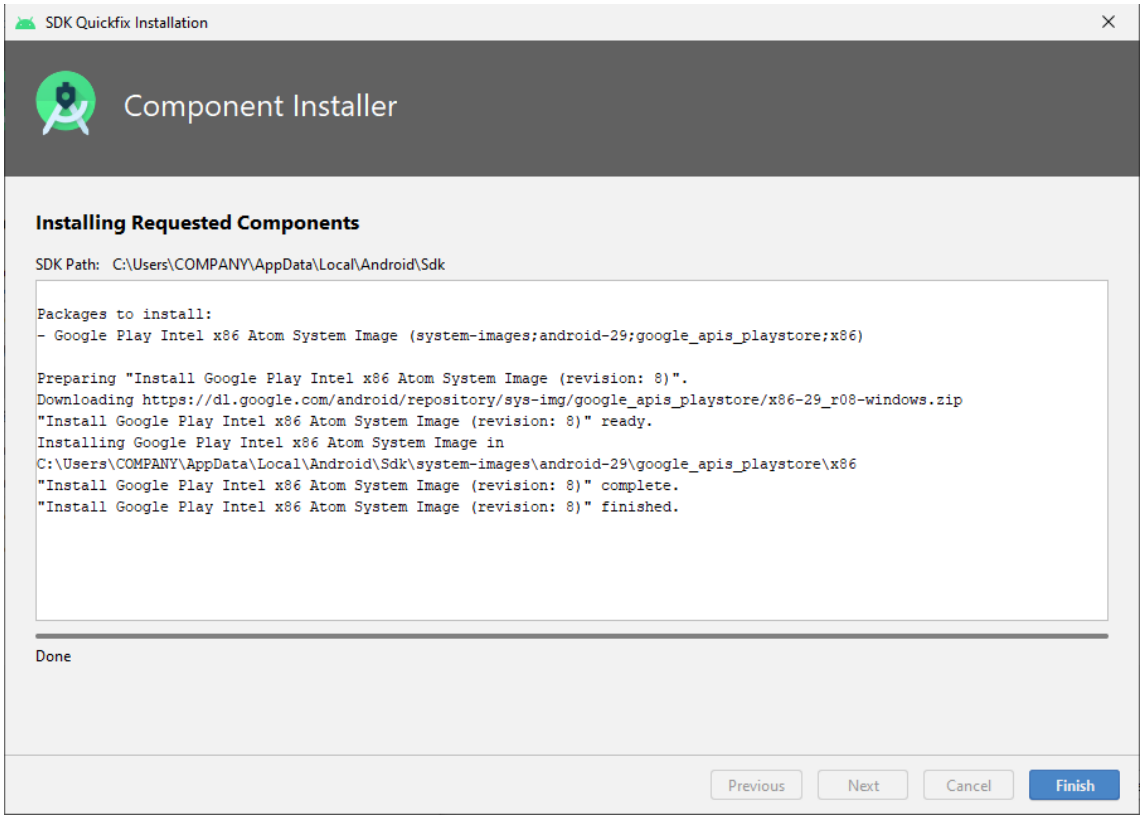
Símbolo del sistema

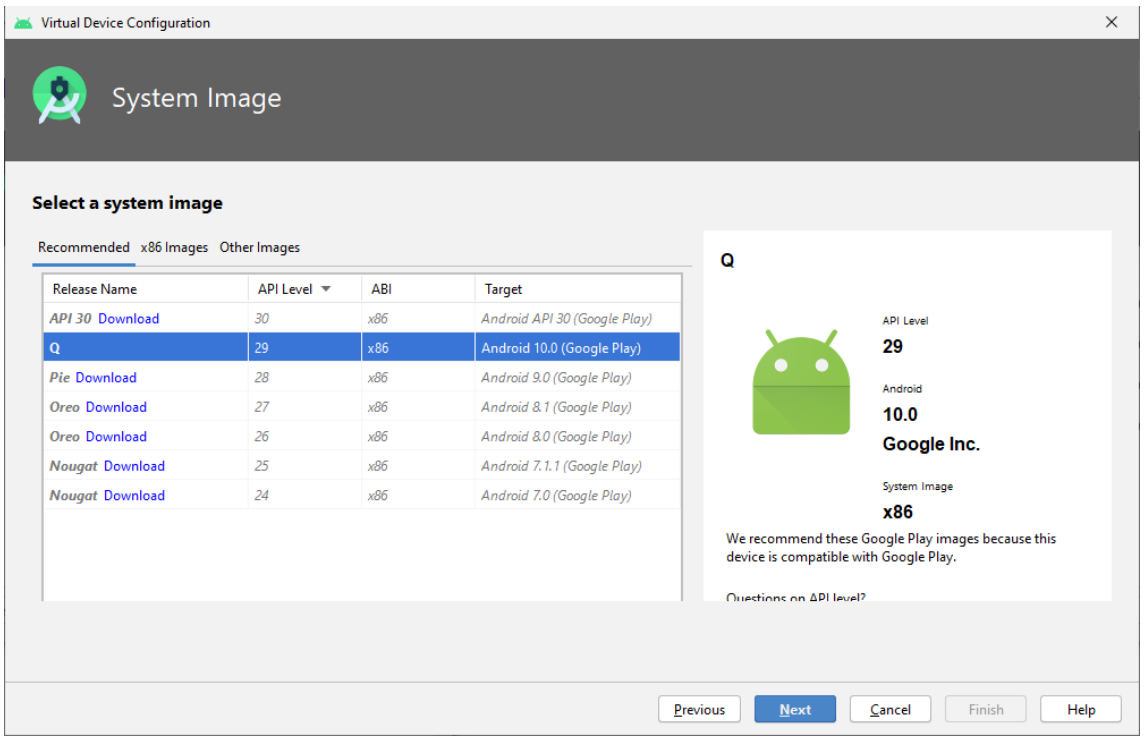
```
C:\Users\COMPANY>adb
Android Debug Bridge version 1.0.41
Version 29.0.6-6198805
Installed as C:\Users\COMPANY\AppData\Local\Android\Sdk\platform-tools\adb.exe

global options:
 -a         listen on all network interfaces, not just localhost
 -d         use USB device (error if multiple devices connected)
 -e         use TCP/IP device (error if multiple TCP/IP devices available)
 -s SERIAL  use device with given serial (overrides $ANDROID_SERIAL)
 -t ID      use device with given transport id
 -H         name of adb server host [default=localhost]
 -P         port of adb server [default=5037]
 -L SOCKET  listen on given socket for adb server [default=tcp:localhost:5037]

general commands:
 devices [-l]             list connected devices (-l for long output)
 help                     show this help message
 version                  show version num

networking:
 connect HOST[:PORT]      connect to a device via TCP/IP
 disconnect [[HOST]:PORT] disconnect from given TCP/IP device, or all
 forward --list           list all forward socket connections
 forward [--no-rebind] LOCAL REMOTE
     forward socket connection using:
       tcp:<port> (<local> may be "tcp:0" to pick any open port)
       localabstract:<unix domain socket name>
       localreserved:<unix domain socket name>
```

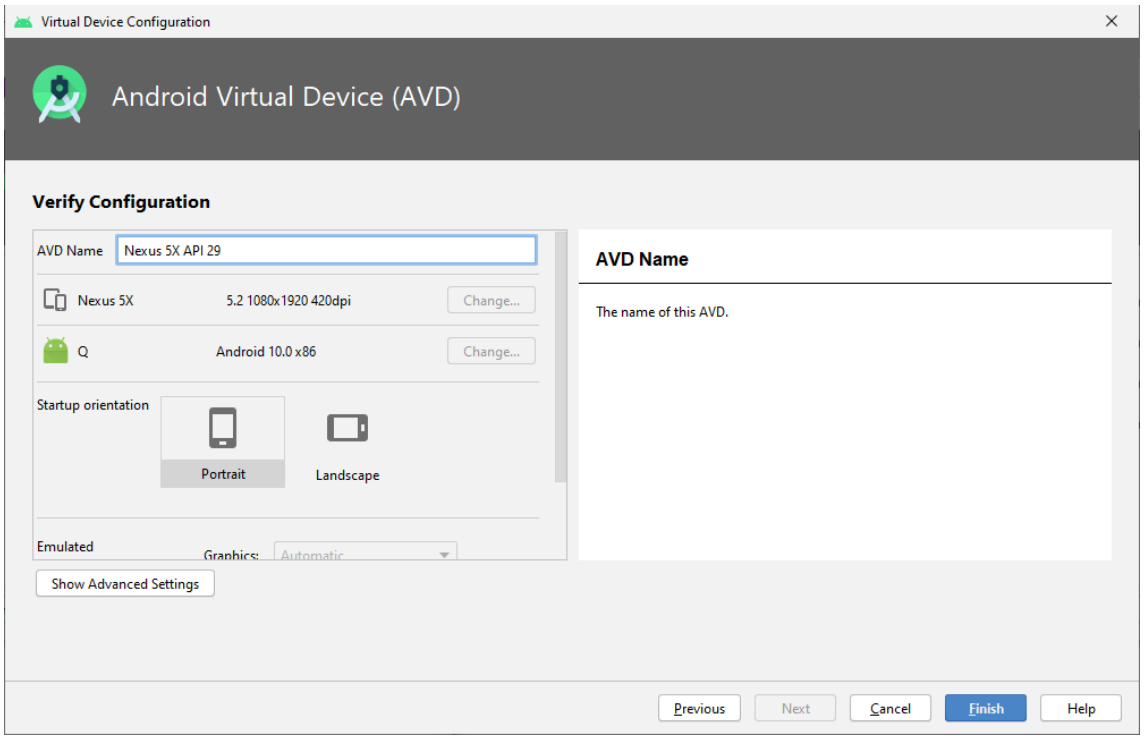
2) Instalar un emulador con SDK 29

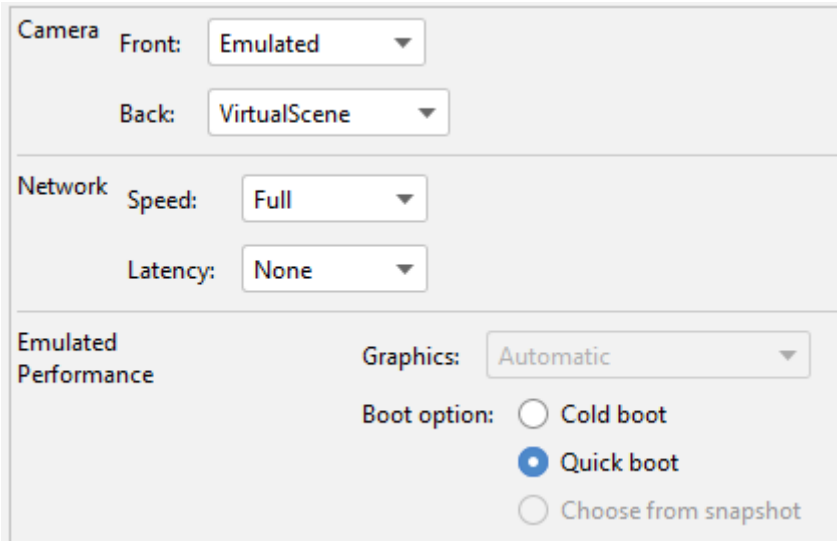


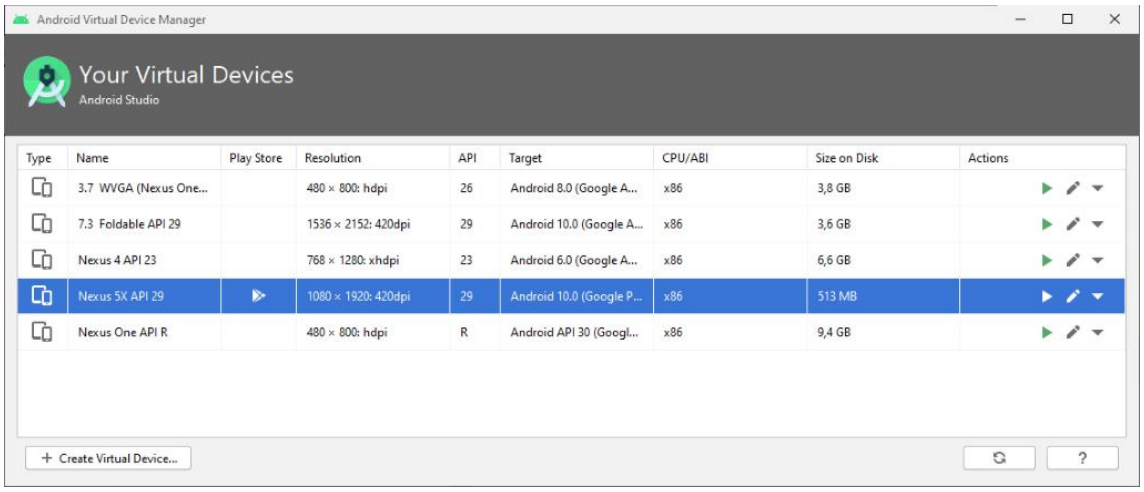


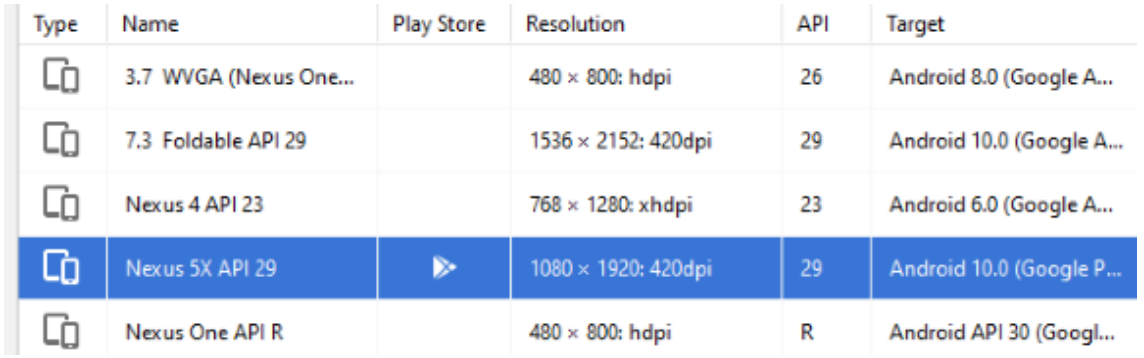

SDK Quickfix Installation
Component Installer
Installing Requested Components
SDK Path: C:\Users\COMPANY\AppData\Local\Android\Sdk
Packages to install:
- Google Play Intel x86 Atom System Image (system-images;android-29;google_apis_playstore;x86)
Preparing "Install Google Play Intel x86 Atom System Image (revision: 8)".
Downloading https://dl.google.com/android/repository/sys-img/google_apis_playstore/x86-29_r08-windows.zip
"Install Google Play Intel x86 Atom System Image (revision: 8)" ready.
Installing Google Play Intel x86 Atom System Image in
C:\Users\COMPANY\AppData\Local\Android\Sdk\system-images\android-29\google_apis_playstore\x86
"Install Google Play Intel x86 Atom System Image (revision: 8)" complete.
"Install Google Play Intel x86 Atom System Image (revision: 8)" finished.
Done
Previous
Next
Cancel
Finish


Virtual Device Configuration
System Image
Select a system image
Recommended
x86 Images
Other Images
Release Name
API Level
ABI
Target
API 30 Download
30
x86
Android API 30 (Google Play)
Q
29
x86
Android 10.0 (Google Play)
Pie Download
28
x86
Android 9.0 (Google Play)
Oreo Download
27
x86
Android 8.1 (Google Play)
Oreo Download
26
x86
Android 8.0 (Google Play)
Nougat Download
25
x86
Android 7.1.1 (Google Play)
Nougat Download
24
x86
Android 7.0 (Google Play)
Q
API Level
29
Android
10.0
Google Inc.
System Image
x86
We recommend these Google Play images because this device is compatible with Google Play.
Questions on API level?
Previous
Next
Cancel
Finish
Help


Virtual Device Configuration
Android Virtual Device (AVD)
Verify Configuration
AVD Name
Nexus 5X API 29
Nexus 5X
5.2 1080x1920 420dpi
Change...
Q
Android 10.0 x86
Change...
Startup orientation
Portrait
Landscape
Emulated
Graphics:
Automatic
Show Advanced Settings
AVD Name
The name of this AVD.
Previous
Next
Cancel
Finish
Help


Camera
Front:
Emulated
Back:
VirtualScene
Network
Speed:
Full
Latency:
None
Emulated Performance
Graphics:
Automatic
Boot option:
Cold boot
Quick boot
Choose from snapshot



3) OPCIONAL -> Si van a desplegar en su dispositivo REAL revisar la versión de Android que se tiene actualmente e instalar el SDK con esa version (Ejemplo: Si tengo la version 28 de Android, instalo el Android SDK 28)

Se instaló lo necesario en la api 23, dado que se tiene un Xiaomi Redmi 4 con Android 6. Ya se usaba esto en anteriores trabajos de Android que se realizó en el semestre anterior.