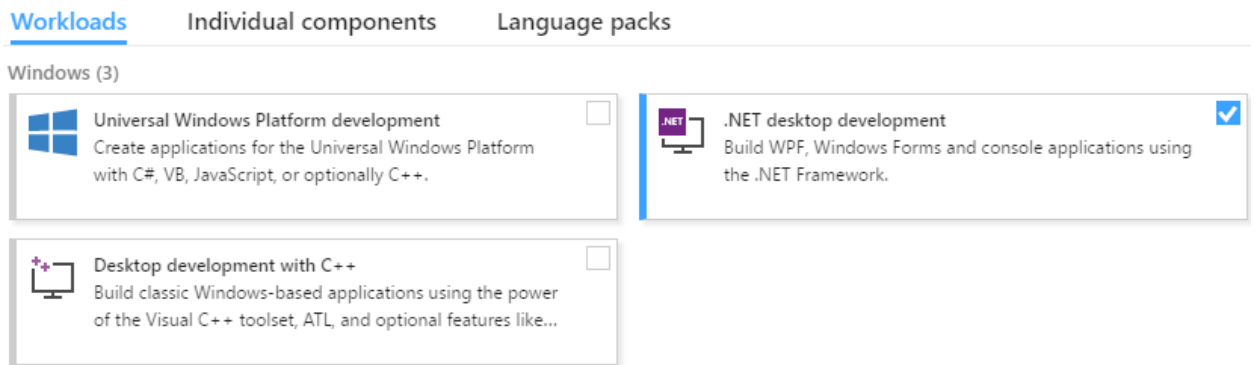


# Xamarin Installation Instruction

1) Visual Studio Community 2017

(<https://www.visualstudio.com/downloads/>)

2) Firstly, you need a .NETdesktop development package.



After that you need to install all this components in *individual components*:

## **.NET:**

- .NET Framework 4 targeting pack
- .NET Framework 4.5 targeting pack
- .NET Framework 4.5.1 targeting pack
- .NET Framework 4.5.2 targeting pack
- .NET Framework 4.6 targeting pack
- .NET Framework 4.6.1 SDK
- .NET Framework 4.6.1 targeting pack
- .NET Portable Library targeting pack

## **Cloud, database, and server :**

- CLR data types for SQL Server
- Data sources and service references

## **Code tools:**

- ClickOnce Publishing
- Git for Windows
- GitHub extension for Visual Studio
- NuGet package manager
- Static analysis tools
- Text Template Transformation

## **Compilers, build tools, and runtimes :**

- C# and Visual Basic Roslyn compilers
- MSBuild

**Debugging and testing:**

IntelliTrace

Just-In-Time debugger

Profiling tools

**Development activities:**

C# and Visual Basic

Live Unit Testing

Xamarin

Xamarin Remoted Simulator

**SDKs, libraries, and frameworks:**

Android NDK (R13B)

Android SDK setup (API level 23)

Java SE Development Kit (8.0.1120.15)

**Emulators:**

Google Android Emulator (API Level 23)

Intel Hardware Accelerated Execution Manager (HAXM)

After that you need to have the same:

## Summary

> Visual Studio core editor

> .NET desktop development

✓ Individual components \*

✓ NuGet package manager

✓ IntelliTrace

✓ Git for Windows

✓ Xamarin

✓ Xamarin Remoted Simulator

✓ Android NDK (R13B)

✓ Java SE Development Kit (8.0.1120.15)

✓ Android SDK setup (API level 23)

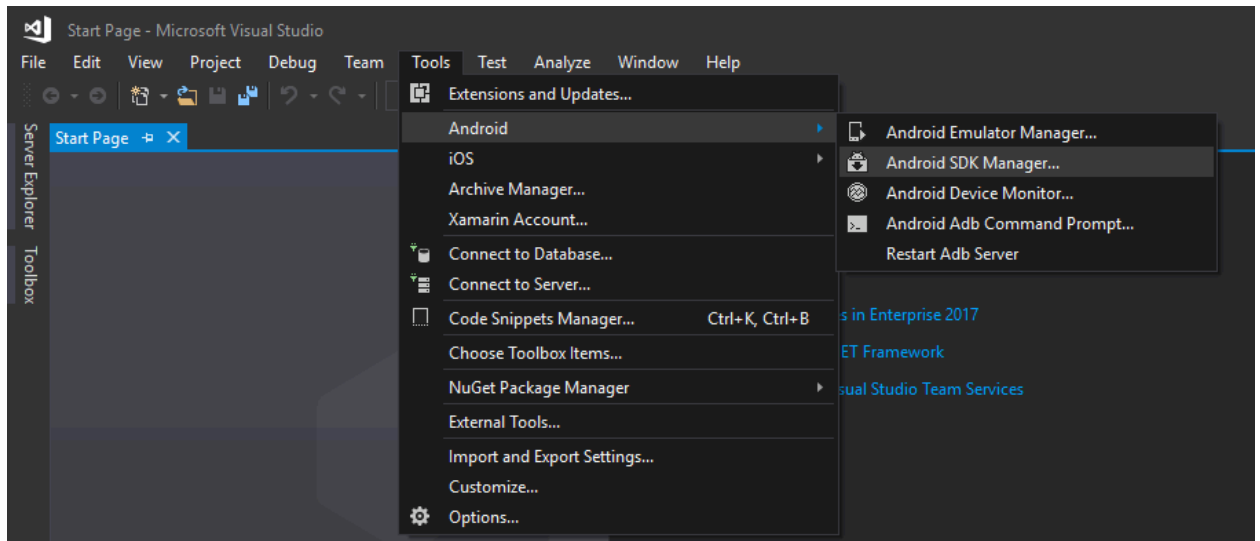
✓ Intel Hardware Accelerated Execution Manager (HA...

✓ Google Android Emulator (API Level 23)

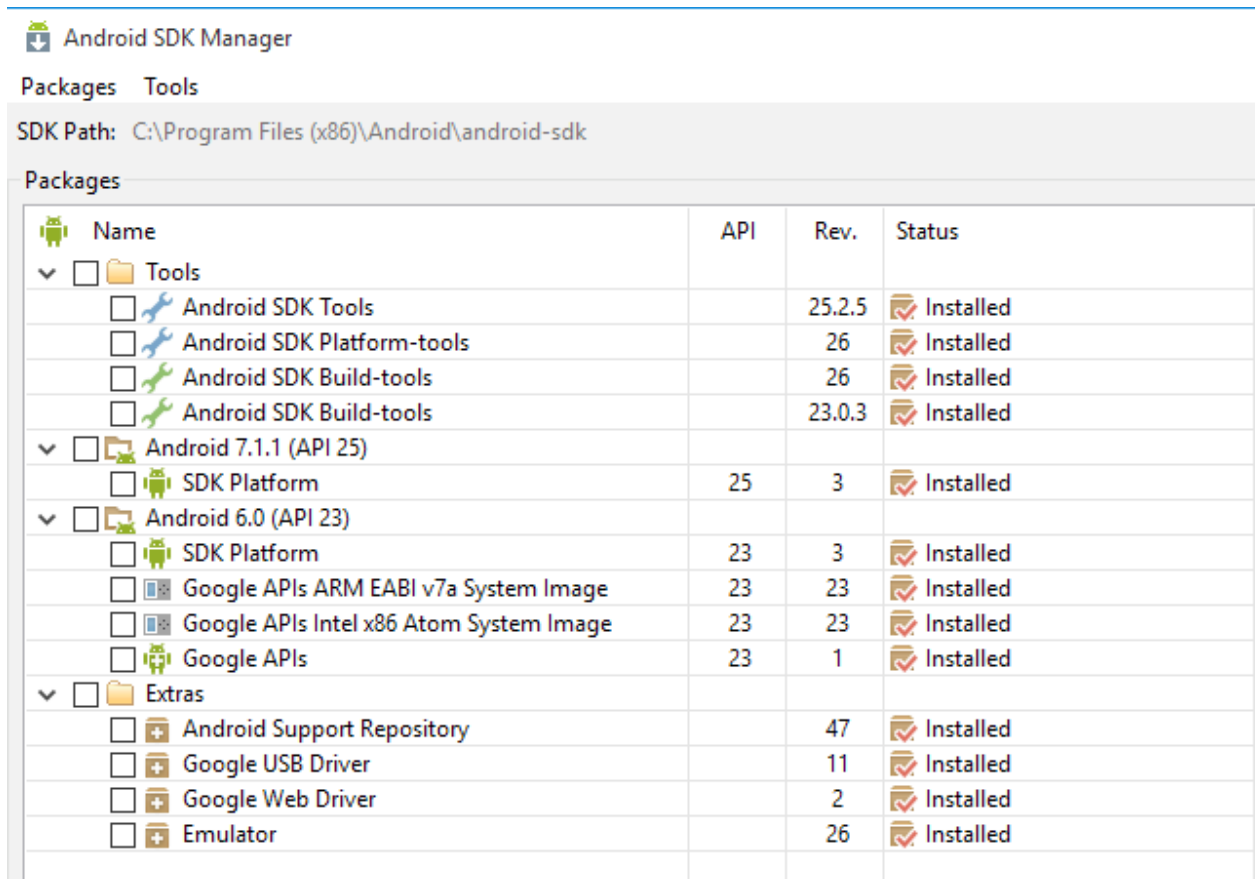
✓ GitHub extension for Visual Studio

3) Reboot the system

#### 4) Open Android SDK:

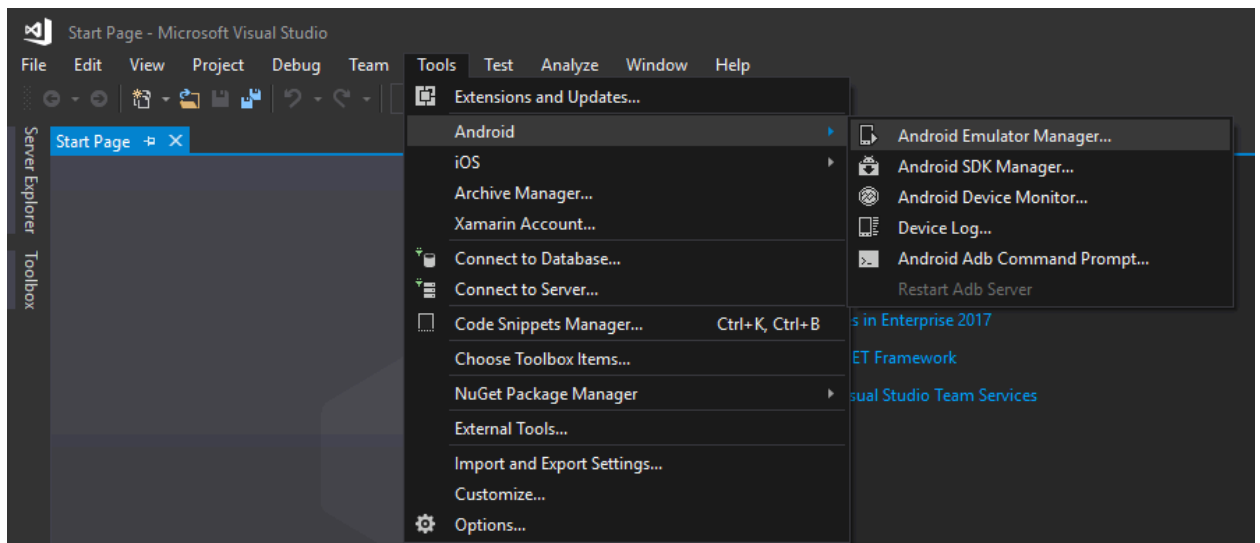


And pick the same components:



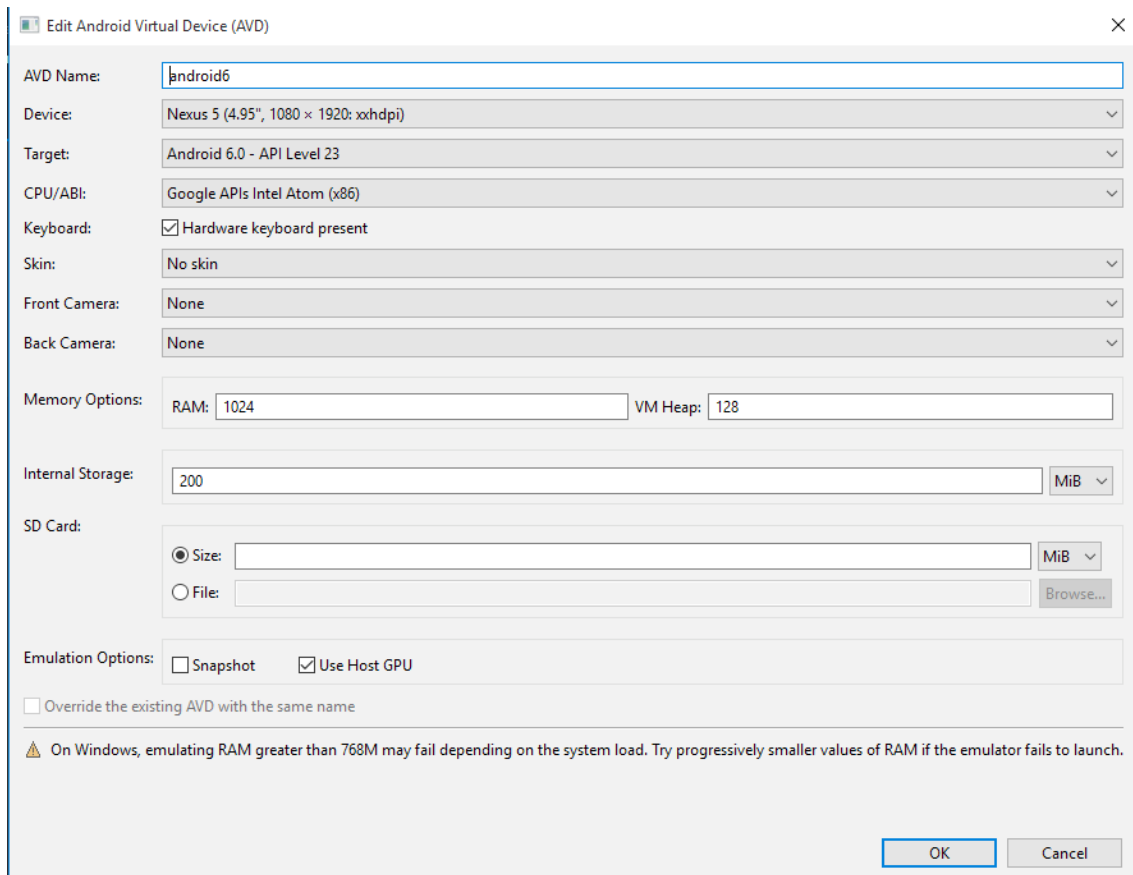
#### 5) Reboot the system

## 6) Open Android Emulator Manager (AVD)



Delete all pre-installed emulators

After that: Create a new emulator with this options



7) Tap "OK" and start the Emulator.  
It will take a lot when you do it first time. Please, be patient.

## Basic Errors

### 1. Problems with SDK components installation:

Run Visual Studio as administrator: open android SDK and repeat.

### 2. Problems with AVD manager:

#### 1) I don't have Intel HAXM

(<https://software.intel.com/en-us/articles/intel-hardware-accelerated-execution-manager-intel-haxm>)

Install it, reboot the system and try to run the emulator.

#### 2) You don't have Java SDK or JDE

(<http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html>) - JDE

(<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>) - SDK

Reboot and try to run the emulator.