

ADB (Android Debug Bridge)

Android Debug Bridge (adb) is a versatile command line tool that lets you communicate with an emulator instance or connected Android-powered device. It is a client-server program that includes three components:

- A client, which runs on your development machine. You can invoke a client from a shell by issuing an adb command. Other Android tools such as DDMS also create adb clients.
- A server, which runs as a background process on your development machine. The server manages communication between the client and the adb daemon running on an emulator or device.
- A daemon, which runs as a background process on each emulator or device instance.

Install Android SDK Platform-tools

First download from (SDK Tools Only > Other Download Options):

<https://developer.android.com/intl/es/sdk/index.html>

The screenshot shows the 'Download Android Studio' page. The sidebar on the left contains links: Download, Installing the SDK, Adding SDK Packages, Workflow, Android Studio, Tools Help, Build System, Performance Tools, Testing Tools, Support Library, Data Binding Library, Revisions, and NDK. The main content area has a header 'Other Download Options' and a sub-section 'SDK Tools Only'. Below this is a table of SDK tools for Windows, Mac OS X, and Linux. Another section 'All Android Studio Packages' is partially visible at the bottom.

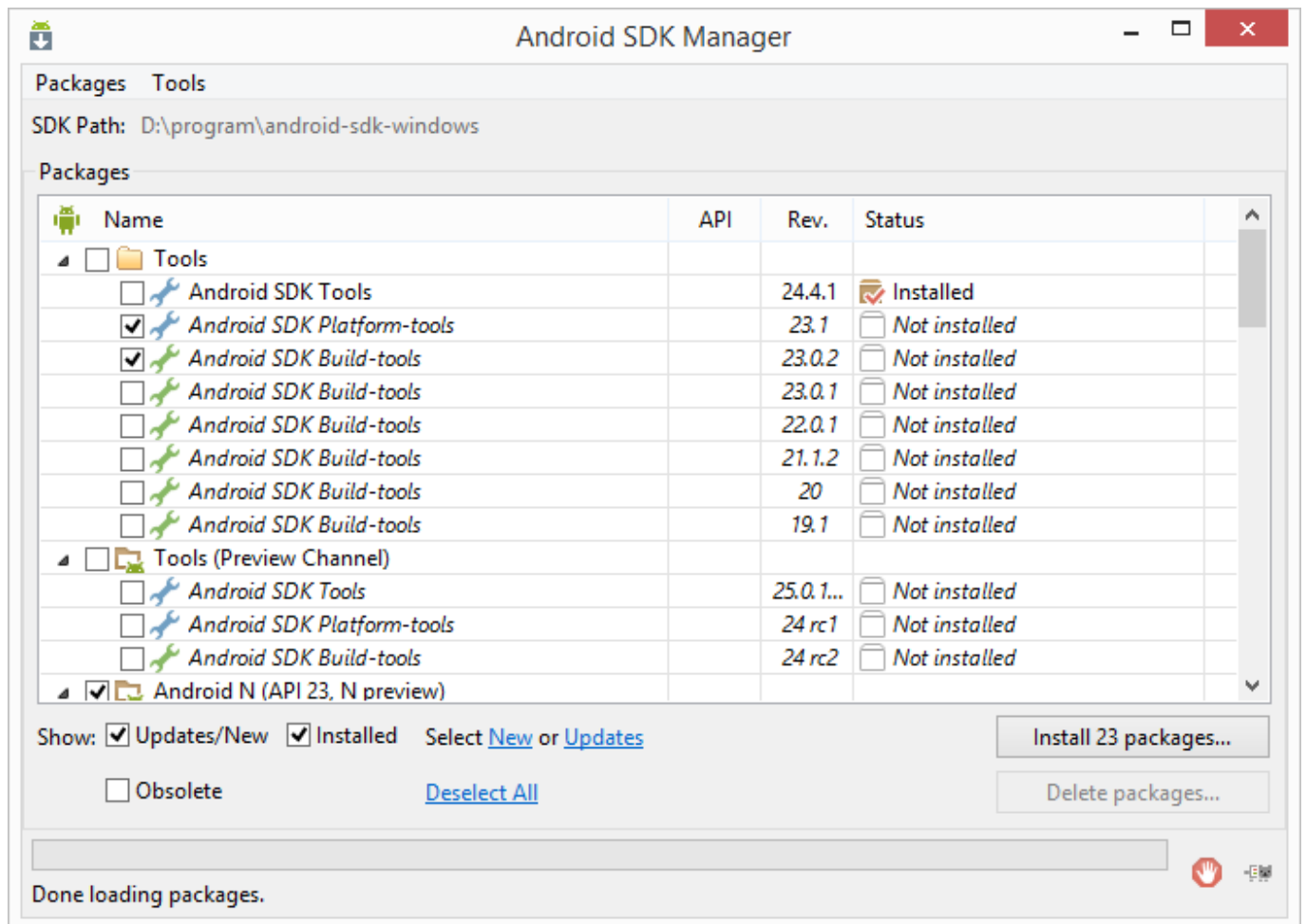
Platform	Package	Size	SHA-1 Checksum
Windows	installer_r24.4.1-windows.exe (Recommended)	151659917 bytes	f9b59d72413649d31e633207e31f456443e7ea0b
	android-sdk_r24.4.1-windows.zip	199701062 bytes	66b6a6433053c152b22bf8cab19c0f3fef4eba49
Mac OS X	android-sdk_r24.4.1-macosx.zip	102781947 bytes	85a9cccb0b1f9e6f1f616335c5f07107553840cd
Linux	android-sdk_r24.4.1-linux.tgz	326412652 bytes	725bb360f0f7d04eacccff5a2d57abdd49061326d

In order to start developing applications, you must install the Platform-tools and at least one version of the Android platform, using the SDK Manager.

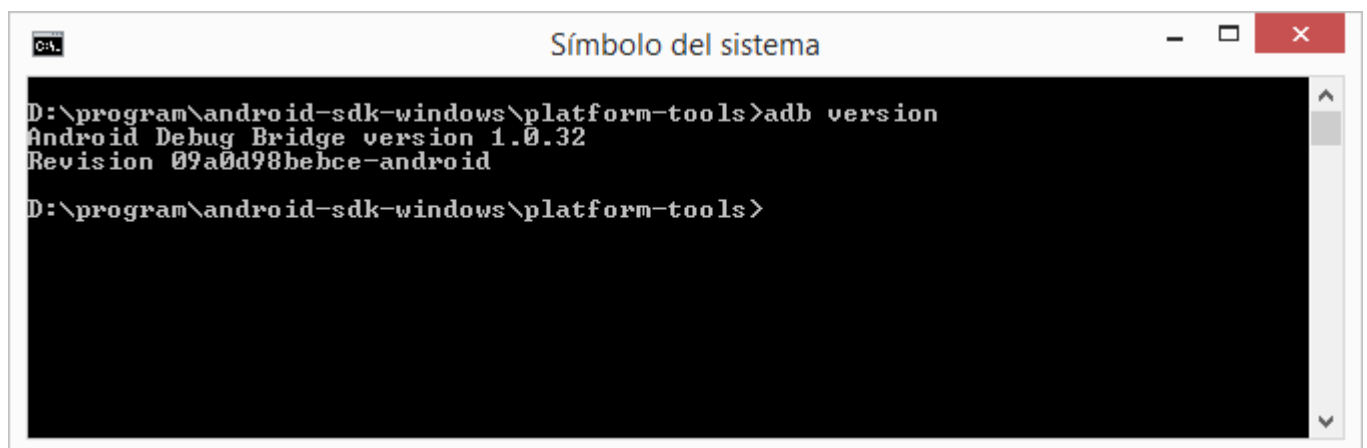
Platform-tools contains build tools that are periodically updated to support new features in the Android platform (which is why they are separate from basic SDK tools), including adb, dexdump, and others.

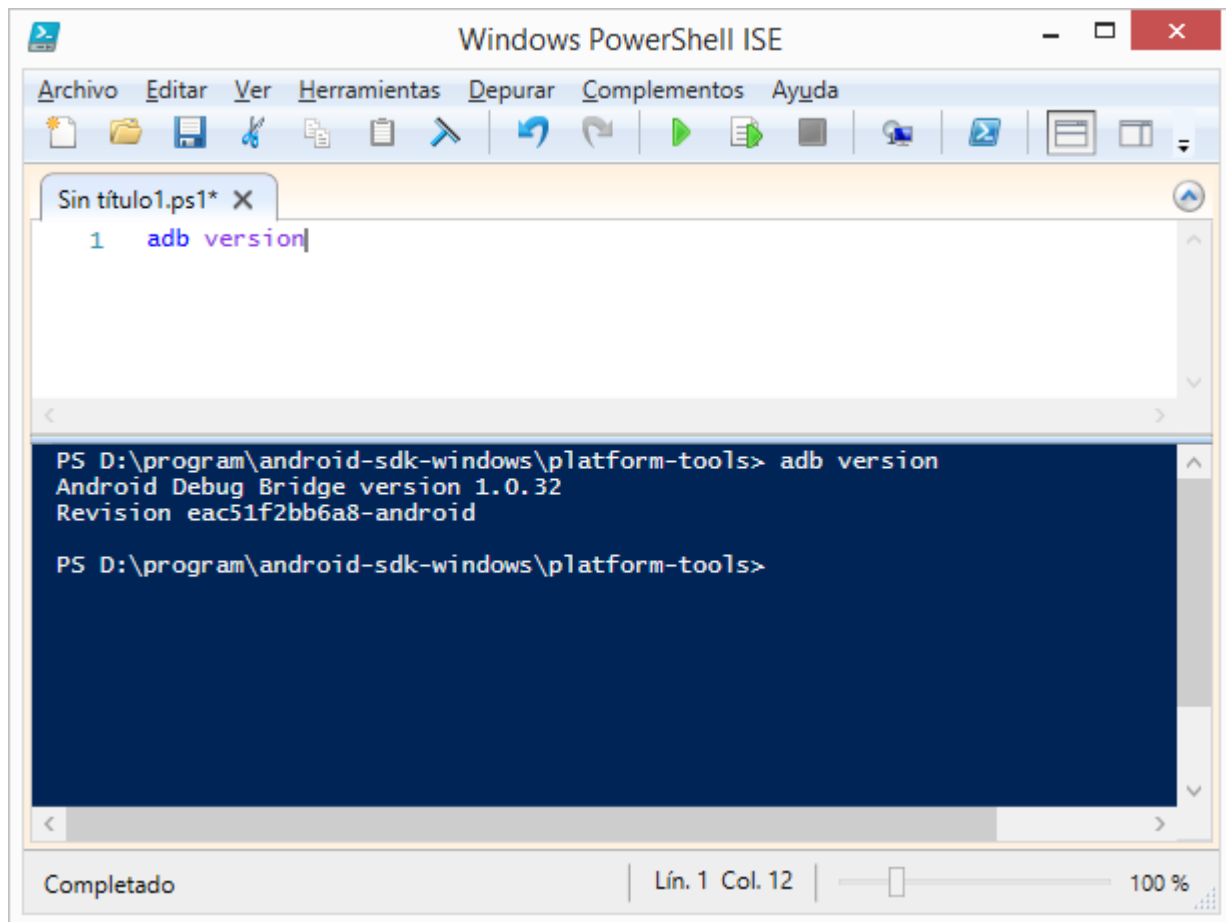
To install Platform-tools, Android platforms and other add-ons, you must have an Internet connection, so if you plan to use the SDK while offline, please make sure to download the necessary components while online.

To start the SDK Manager, please execute the program «SDK Manager.exe».



You can find the adb tool in /platform-tools/.



A screenshot of the Windows PowerShell ISE (Integrated Scripting Environment) window. The title bar reads "Windows PowerShell ISE". The menu bar includes "Archivo", "Editar", "Ver", "Herramientas", "Depurar", "Complementos", and "Ayuda". The toolbar contains various icons for file operations, editing, and execution. The main editor area shows a single line of code: "1 adb version". Below the editor is a console window with a dark blue background, displaying the output of the command: "PS D:\program\android-sdk-windows\platform-tools> adb version", "Android Debug Bridge version 1.0.32", "Revision eac51f2bb6a8-android", and "PS D:\program\android-sdk-windows\platform-tools>". The status bar at the bottom indicates "Completado", "Lín. 1 Col. 12", and a zoom level of "100 %".

```
Sin título1.ps1* X
1  adb version

PS D:\program\android-sdk-windows\platform-tools> adb version
Android Debug Bridge version 1.0.32
Revision eac51f2bb6a8-android

PS D:\program\android-sdk-windows\platform-tools>
```

ADB commands

Prints a list of all attached emulator/device instances

```
[crayon-6a9d4eb0b8ca8199147976/]
```

Prints the adb version number

```
[crayon-6a9d4eb0b8cad926984753/]
```

Starts a remote shell in the target emulator/device instance

```
[crayon-6a9d4eb0b8caf728171788/]
```

More information about Android Debug Bridge

<https://developer.android.com/intl/es/tools/help/adb.html>