

Instalación y configuración de JDK 11 y Maven 3.6

La siguiente guía pretende guiar al lector para descargar, instalar y configurar el java development kit 11 y el gestor de paquetes Maven 3.6.

Los pasos descritos abajo tendrán que seguirse uno a uno de forma secuencial.

JDK

1.- Descarga de jdk 11.

a) acceder a la siguiente url

<https://www.oracle.com/technetwork/java/javase/downloads/jdk11-downloads-5066655.html>

Nos abrirá la siguiente pantalla

b) marcaremos el botón de radio “Accept Licence Agreement”

The screenshot displays the Oracle JDK 11 download page. On the left, there is a sidebar with links to Java Card, Java TV, Community, and Java Magazine. The main content area features a yellow box titled 'Important changes in Oracle JDK 11 License' with text about the updated license terms. Below this, there is a section for 'See also' with links to the Java Developer Newsletter, Java Developer Day, and Java Magazine. The 'JDK 11.0.2 checksum' section is also visible. On the right, there is a 'Java Resources' section with links to NetBeans IDE, Java Mission Control, Java APIs, Technical Articles, Demos and Videos, Forums, Java Magazine, Developer Training, Tutorials, and Java.com. The 'Java SE Development Kit 11.0.2' section is highlighted, showing a message that the user must accept the Oracle Technology Network License Agreement. Below this message, there are two radio buttons: 'Accept License Agreement' (which is highlighted with a red box) and 'Decline License Agreement'. A table of download links is provided, listing the product/file description, file size, and download link for various operating systems (Linux, macOS, Solaris SPARC, Windows).

Product / File Description	File Size	Download
Linux	147.28 MB	jdk-11.0.2_linux-x64_bin.deb
Linux	154.01 MB	jdk-11.0.2_linux-x64_bin.rpm
Linux	171.32 MB	jdk-11.0.2_linux-x64_bin.tar.gz
macOS	166.13 MB	jdk-11.0.2_osx-x64_bin.dmg
macOS	166.49 MB	jdk-11.0.2_osx-x64_bin.tar.gz
Solaris SPARC	186.78 MB	jdk-11.0.2_solaris-sparcv9_bin.tar.gz
Windows	150.94 MB	jdk-11.0.2_windows-x64_bin.exe
Windows	170.96 MB	jdk-11.0.2_windows-x64_bin.zip

c) y seleccionaremos el link “jdk-11.0.2_windows-x64_bin.exe” y

Java SE Development Kit 11.0.2

You must accept the [Oracle Technology Network License Agreement for Oracle Java SE](#) to download this software.

Thank you for accepting the Oracle Technology Network License Agreement for Oracle Java SE; you may now download this software.

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Windows	170.96 MB	jdk-11.0.2_windows-x64_bin.zip

Comenzando descarga

Read the new terms carefully before downloading and using this product.

Oracle also offers this software under the GPL License on [jdk.java.net/11](#)

See also:

- [Java Developer Newsletter](#): From your Oracle account, select **Subscriptions**, expand **Technology**, and subscribe to **Java**.
- [Java Developer Day](#) hands-on workshops (free) and other events
- [Java Magazine](#)

JDK 11.0.2 checksum

Java SE Development Kit 11.0.2


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 jdk-11.0.2_window...exe
0.2/151 MB. Retain 45 min.

[Mostrar todo](#) X

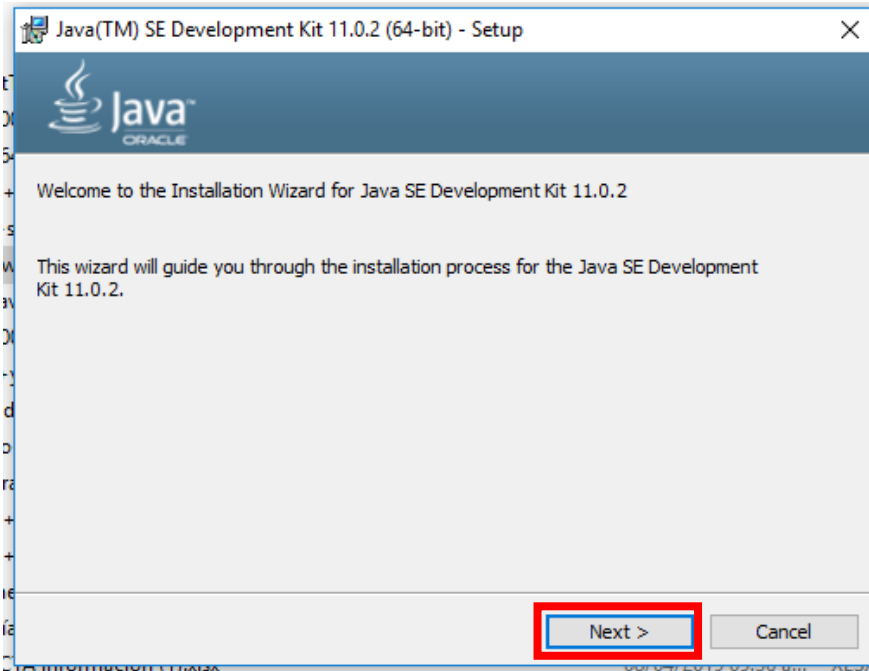
Una vez terminada la descarga procederemos a ejecutar el archivo descargado.

2.- Instalación de JDK 11

a) Ejecutamos el archivo descargado

Programas - servicios - repositorio de aplicaciones	10/04/2019 03:38 am	11.0.2 (64-bit)	154,560 KB
jdk-11.0.2_windows-x64_bin.exe	10/04/2019 03:38 am	Aplicación	154,560 KB
jdk-11.0.2_windows-x64_bin.exe	10/04/2019 03:38 am	Aplicación	154,560 KB

b) seguimos el wizard de instalación

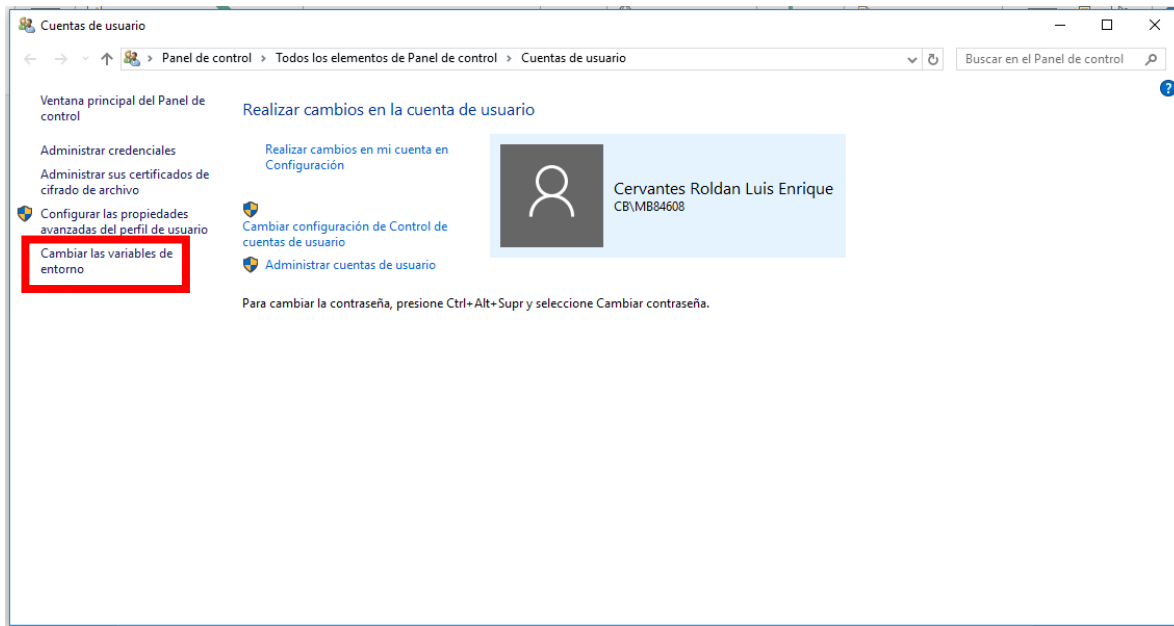


Hasta llegar a la siguiente pantalla

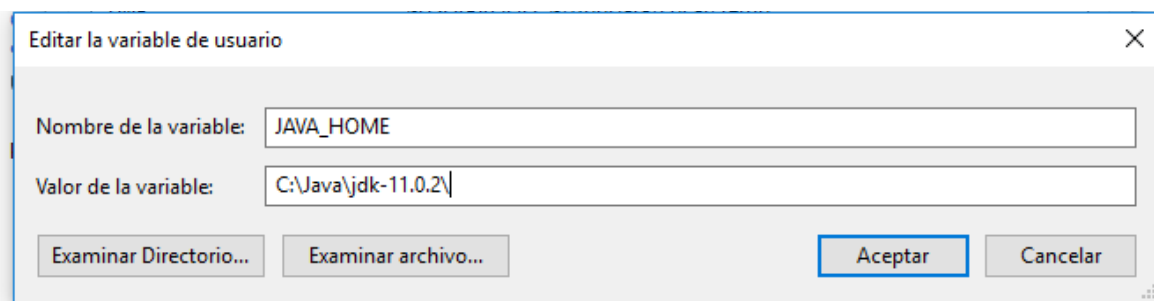
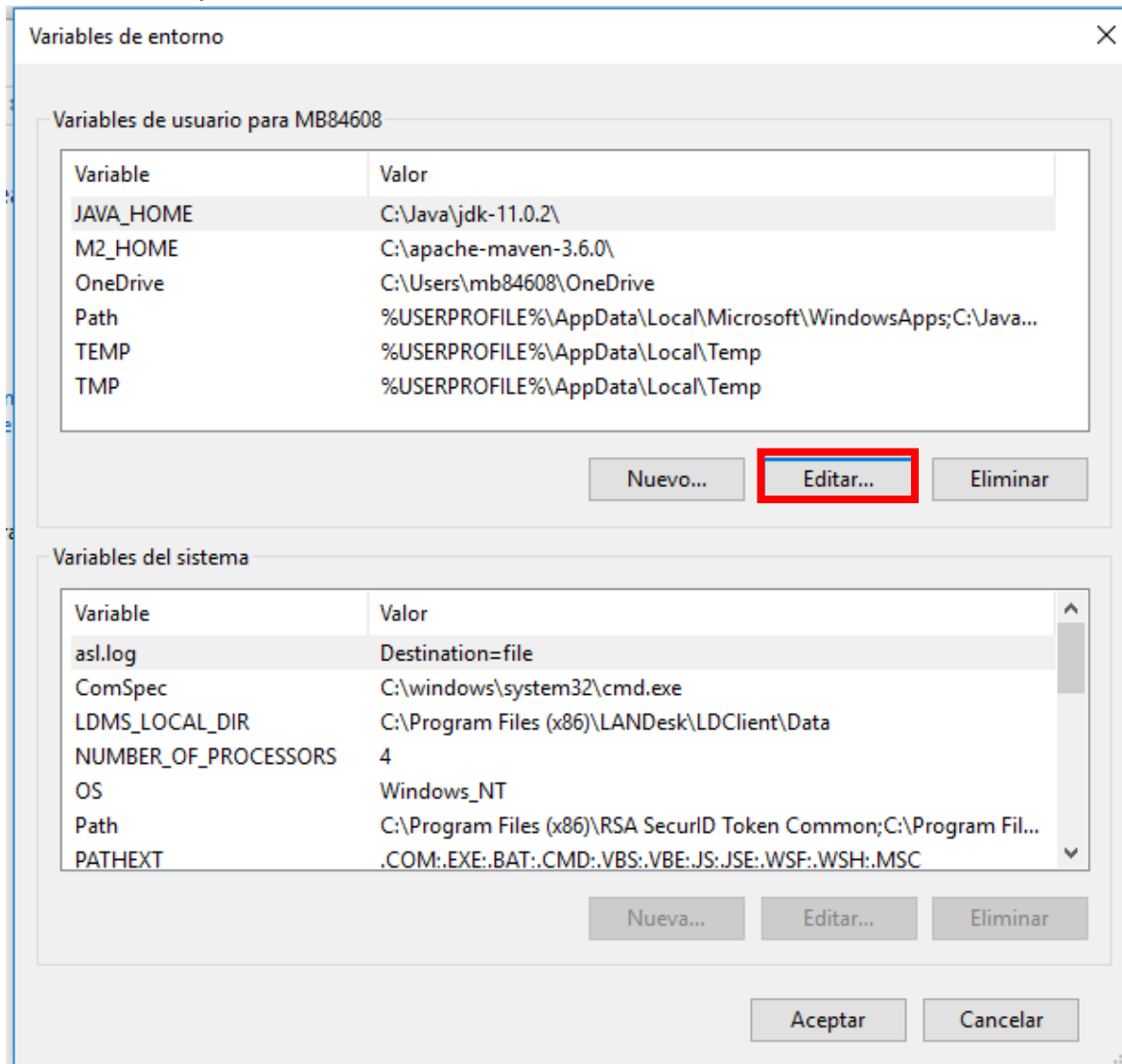


3.- configuración

a) En inicio buscaremos “Cuentas de usuario” y seleccionaremos la opción del panel lateral “Cambiar las variables de entorno”

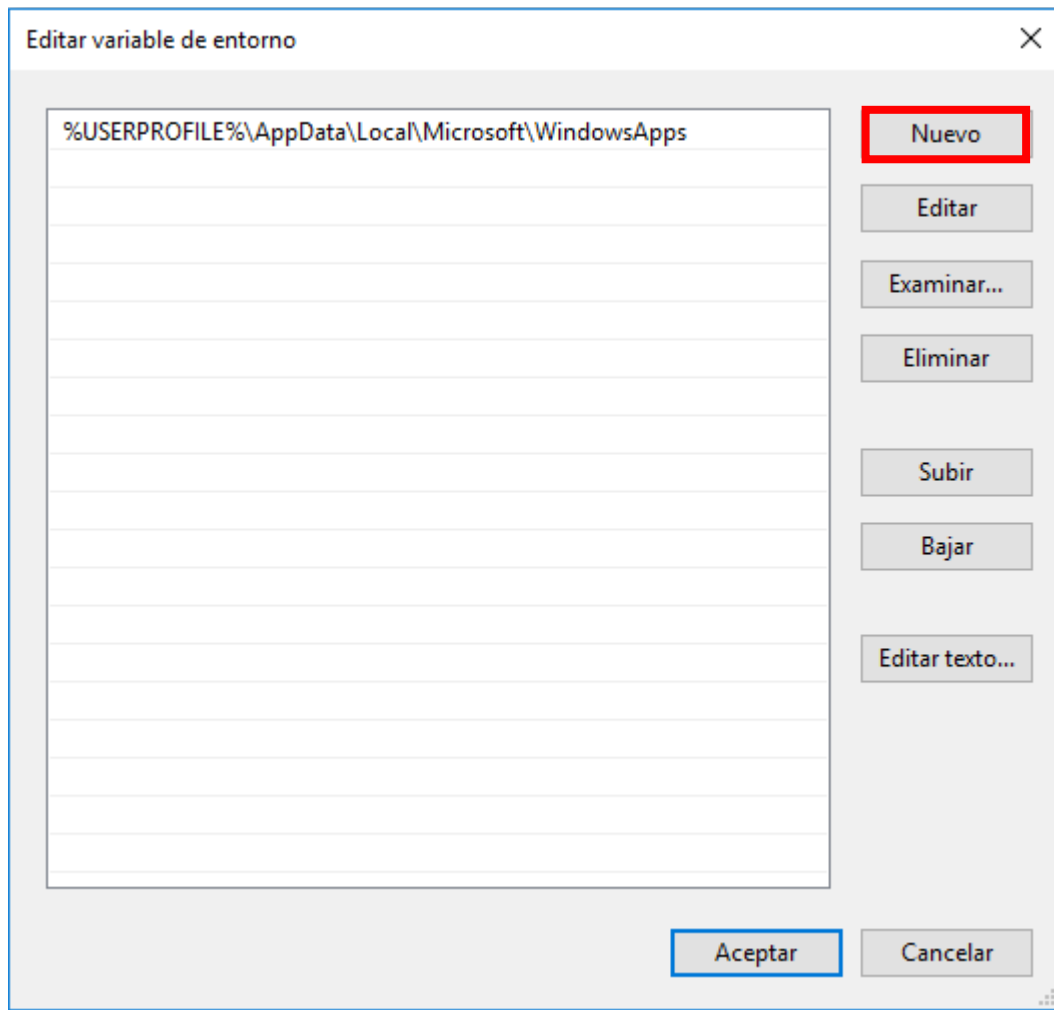


b) damos clic en el boton editar y agregamos el nombre de variable "JAVA_HOME" y la ruta donde se instalo java.

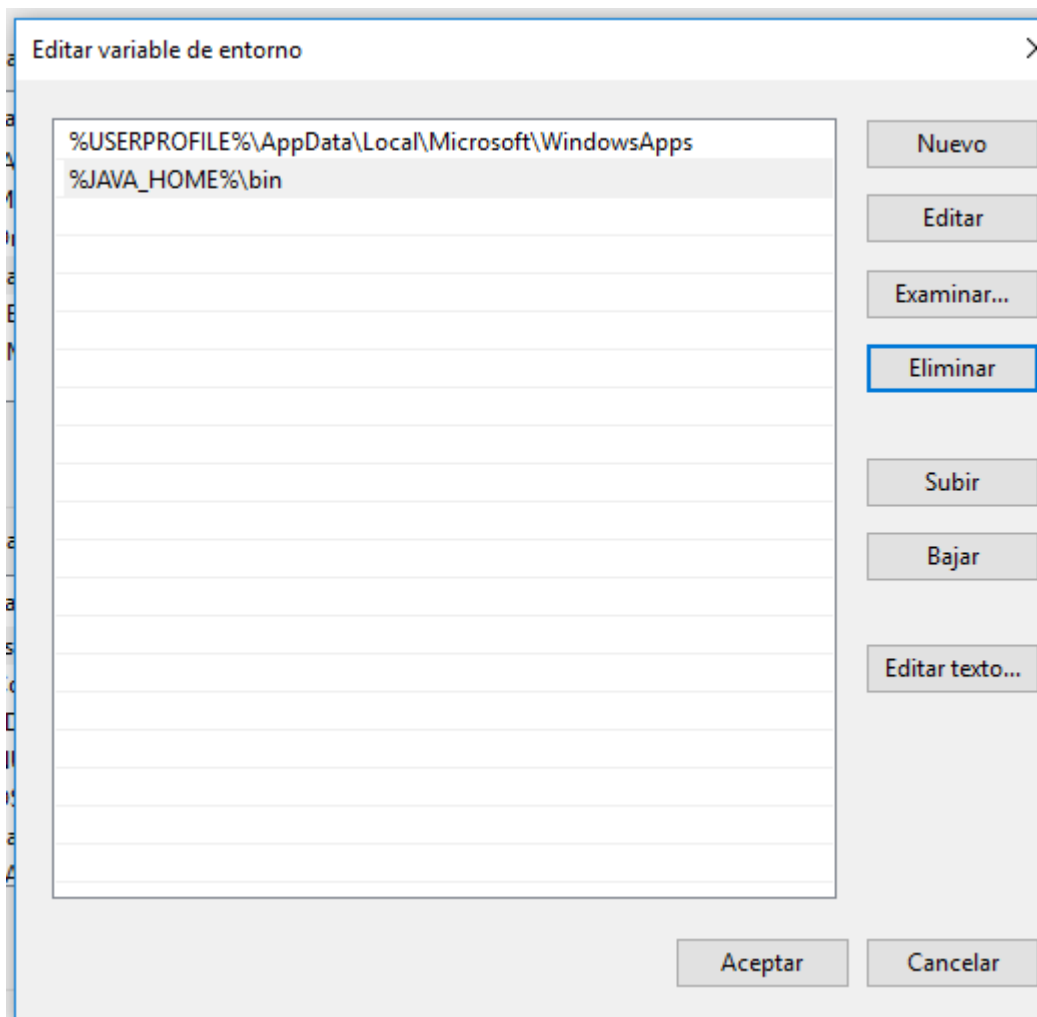


c) Seleccionamos la variable “path” y editamos.

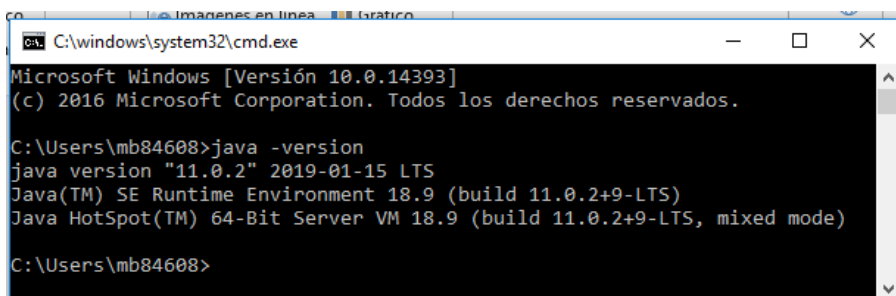
Path	%USERPROFILE%\AppData\Local\Microsoft\WindowsApps;C:\Java...
------	--



Y agregamos "%JAVA_HOME%\bin"



Con esto queda configurado java, para comprobarlo abriremos una terminal y ejecutaremos el comando "java -version" y debe respondernos lo mismo que en la siguiente imagen



```
C:\windows\system32\cmd.exe
Microsoft Windows [Versión 10.0.14393]
(c) 2016 Microsoft Corporation. Todos los derechos reservados.

C:\Users\mb84608>java -version
java version "11.0.2" 2019-01-15 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.2+9-LTS)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.2+9-LTS, mixed mode)

C:\Users\mb84608>
```

Maven

1.- Descarga de Maven

a) acceder a la siguiente url <https://maven.apache.org/download.cgi>

deslizar hacia abajo hasta la sección files y seleccionar “apache-maven-3.6.1-bin.zip”

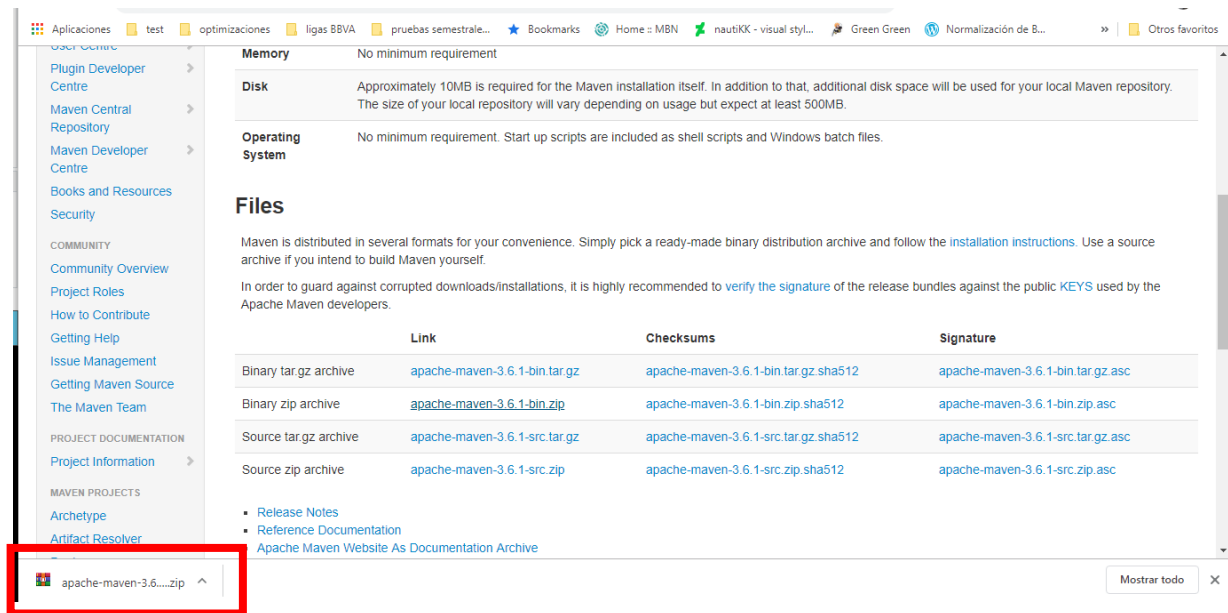
Files

Maven is distributed in several formats for your convenience. Simply pick a ready-made binary distribution archive and follow the [installation instructions](#). Use a source archive if you intend to build Maven yourself.

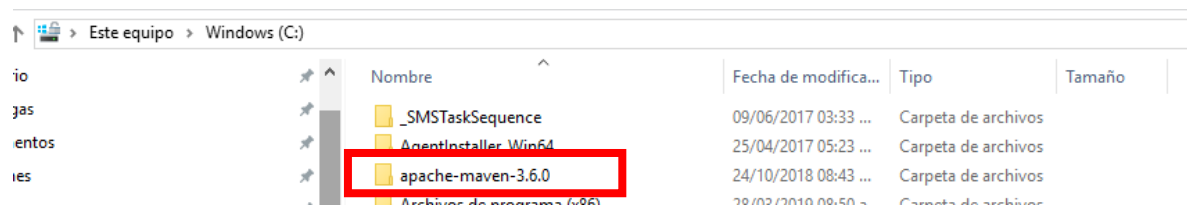
In order to guard against corrupted downloads/installations, it is highly recommended to [verify the signature](#) of the release bundles against the public [KEYS](#) used by the Apache Maven developers.

	Link	Checksums	Signature
Binary tar.gz archive	apache-maven-3.6.1-bin.tar.gz	apache-maven-3.6.1-bin.tar.gz.sha512	apache-maven-3.6.1-bin.tar.gz.asc
Binary zip archive	apache-maven-3.6.1-bin.zip	apache-maven-3.6.1-bin.zip.sha512	apache-maven-3.6.1-bin.zip.asc
Source tar.gz archive	apache-maven-3.6.1-src.tar.gz	apache-maven-3.6.1-src.tar.gz.sha512	apache-maven-3.6.1-src.tar.gz.asc
Source zip archive	apache-maven-3.6.1-src.zip	apache-maven-3.6.1-src.zip.sha512	apache-maven-3.6.1-src.zip.asc

Comienza la descarga

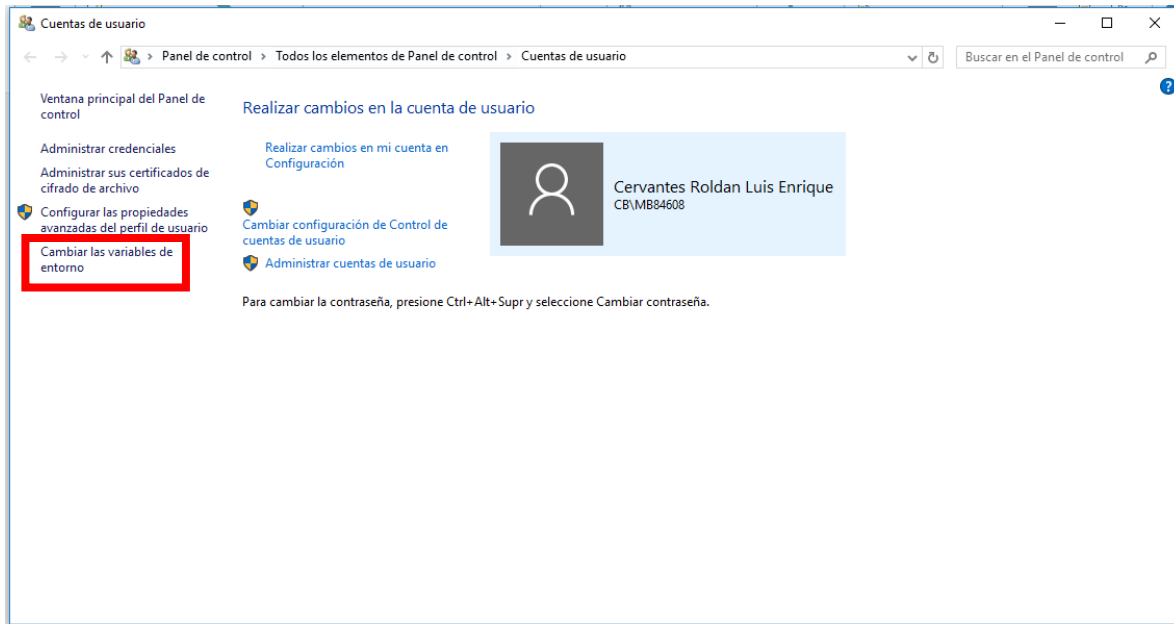


b) Descomprimos el archivo en disco local C

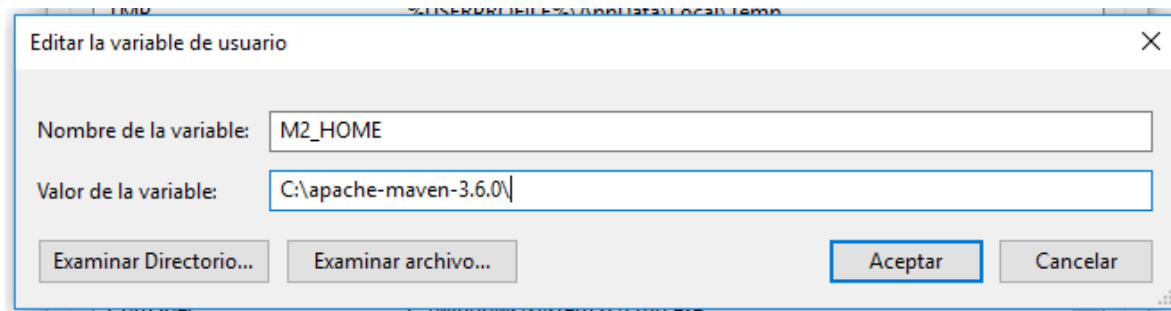
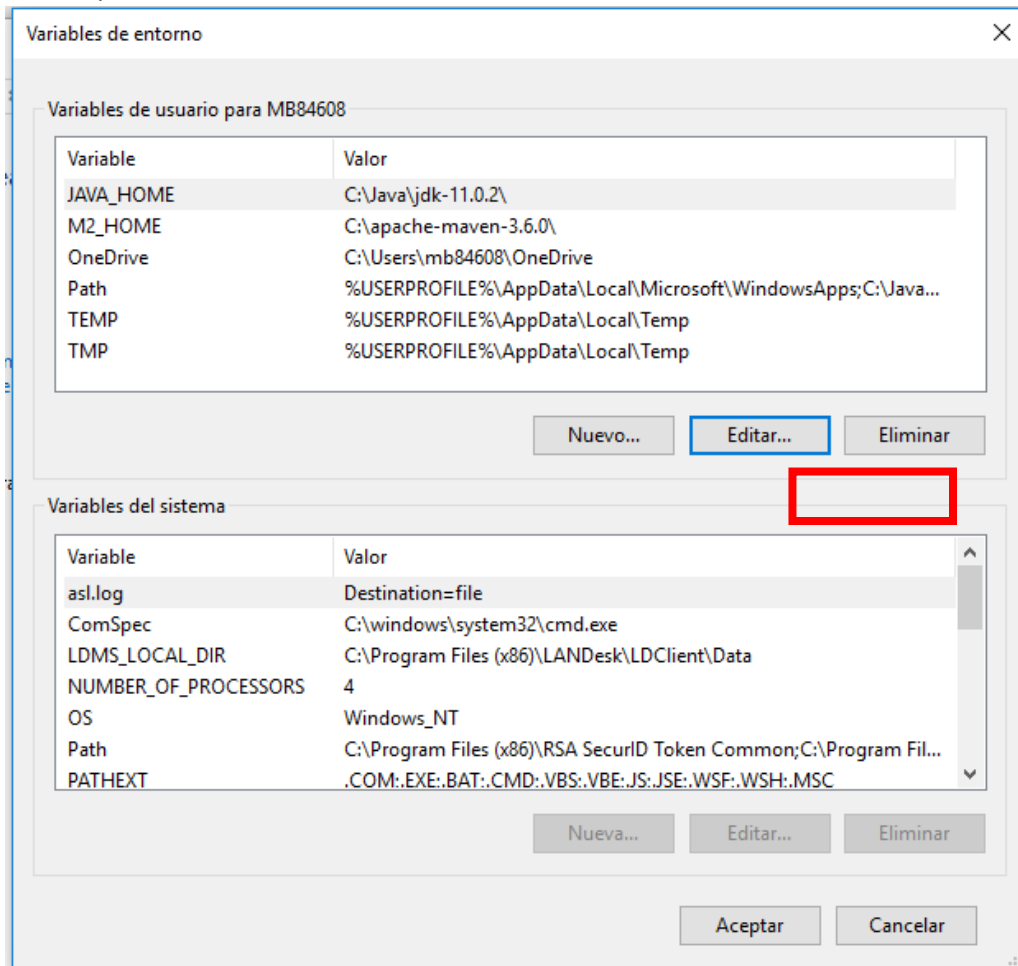


2.- Configuración

a) En inicio buscaremos “Cuentas de usuario” y seleccionaremos la opción del panel lateral “Cambiar las variables de entorno”

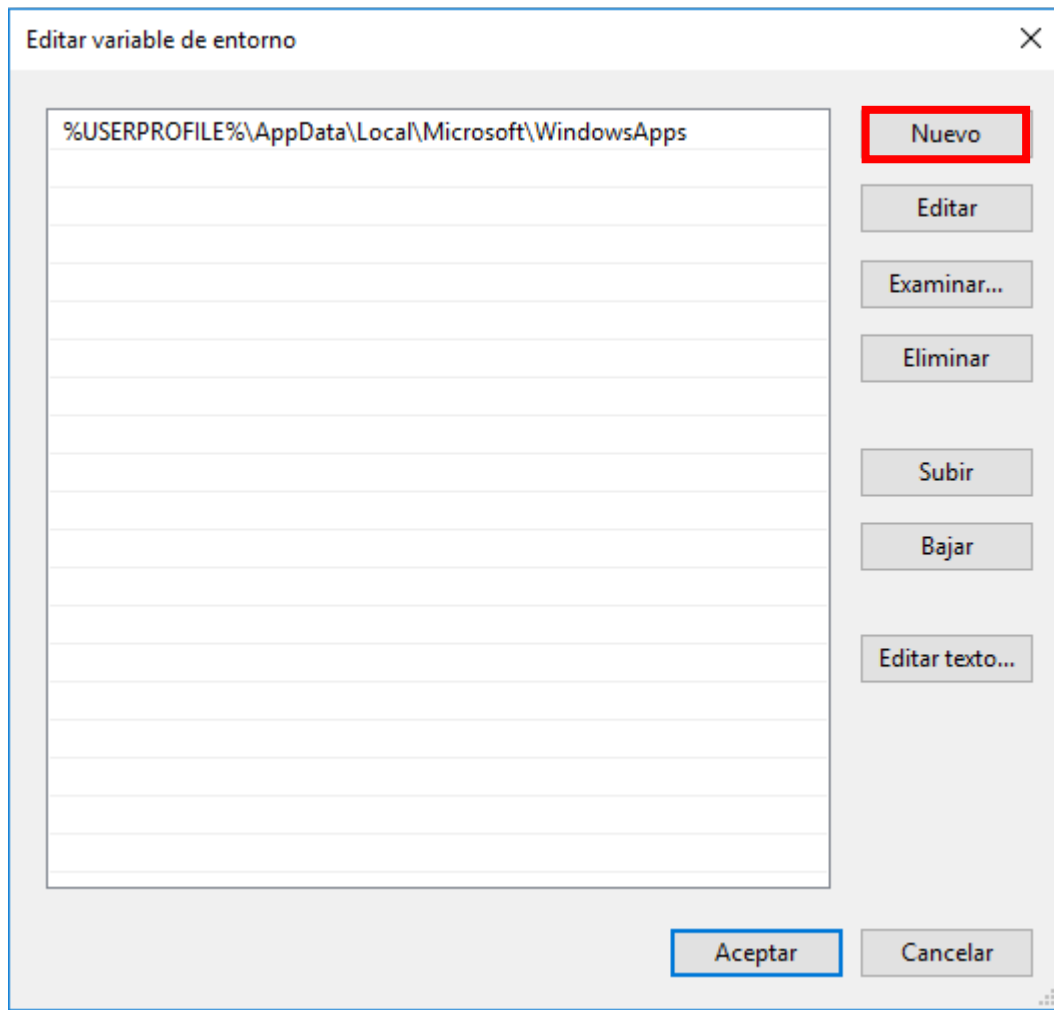


b) damos clic en el boton editar y agregamos el nombre de variable “M2_HOME” y la ruta donde descomprimos maven.

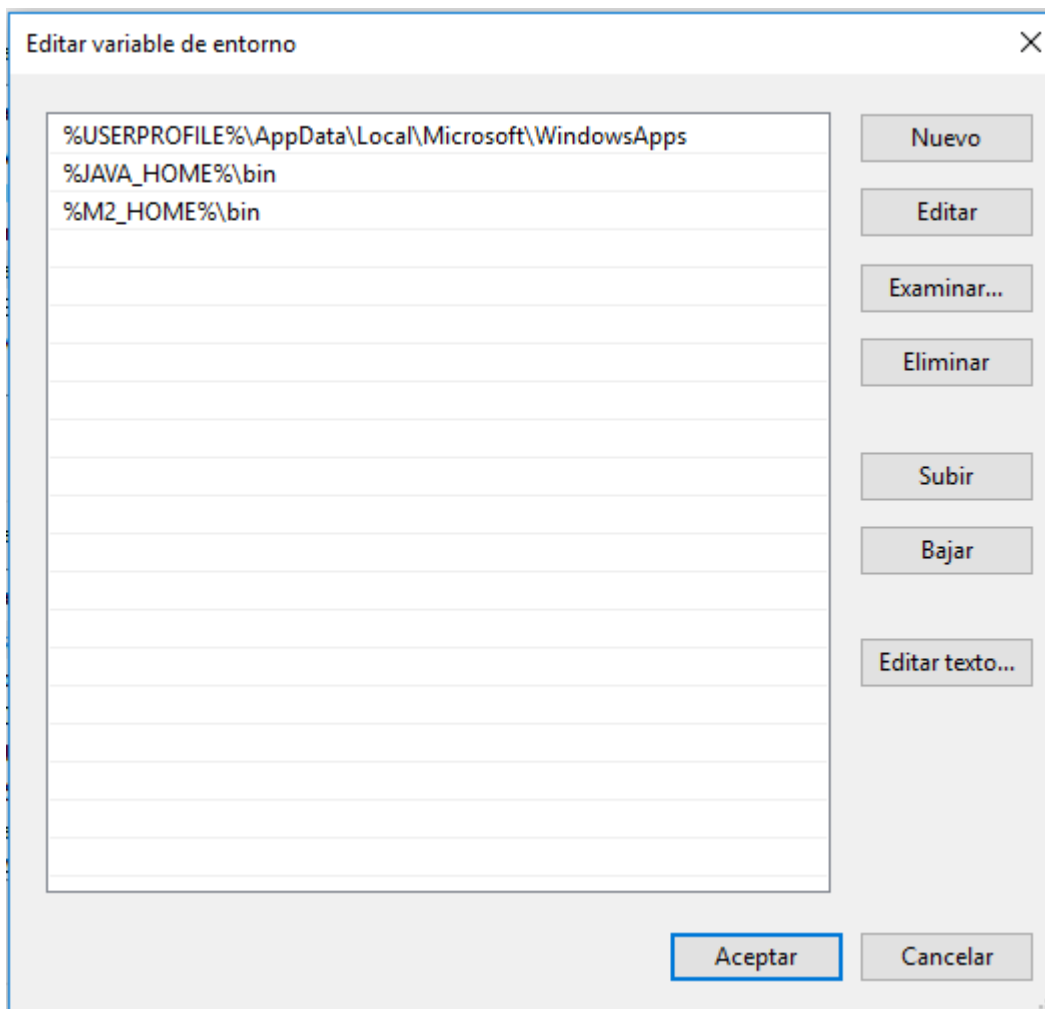


c) Seleccionamos la variable “path” y editamos.

Path	%USERPROFILE%\AppData\Local\Microsoft\WindowsApps;C:\Java...
------	--



Y agregamos "%M2_HOME%\bin"



Con esto queda configurado maven, para comprobarlo abriremos una terminal y ejecutaremos el comando "mvn -version" y debe respondernos lo mismo que en la siguiente imagen.

```
C:\windows\system32\cmd.exe
Microsoft Windows [Versión 10.0.14393]
(c) 2016 Microsoft Corporation. Todos los derechos reservados.

C:\Users\mb84608>mvn -version
Apache Maven 3.6.0 (97c98ec64a1fdfee7767ce5fffb20918da4f719f3; 2018-10-24T13:41:47-05:00)
Maven home: C:\apache-maven-3.6.0\bin\..
Java version: 11.0.2, vendor: Oracle Corporation, runtime: C:\Java\jdk-11.0.2
Default locale: es_MX, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

C:\Users\mb84608>
```