



UNIVERSIDAD DE LAS AMÉRICAS

**FACULTAD DE INGENIERÍA Y CIENCIAS
APLICADAS**

ICBS0003-2441

ANÁLISIS Y VISUALIZACIÓN DE DATOS

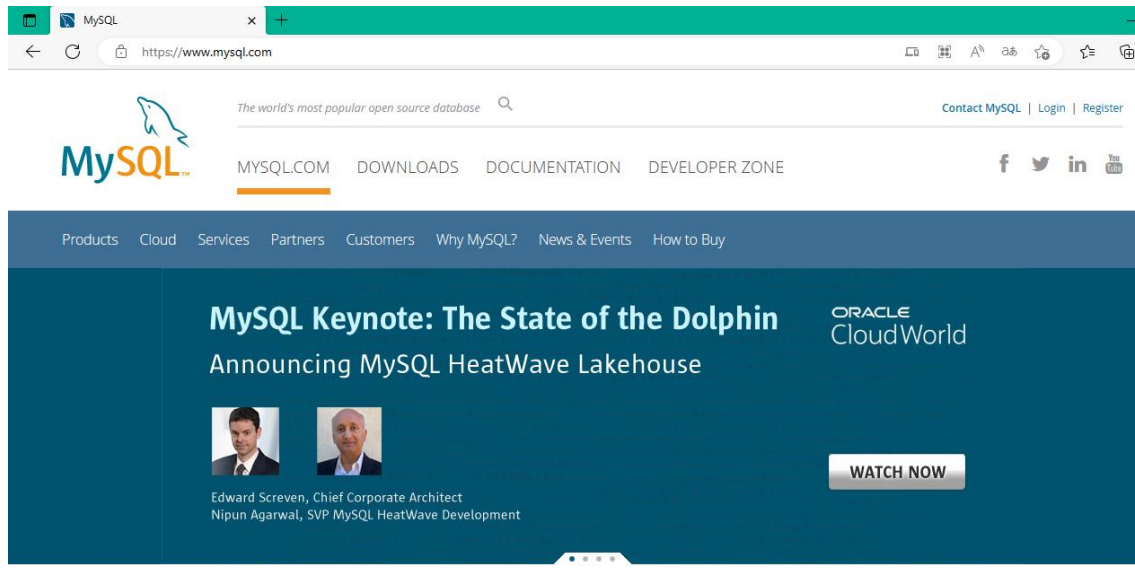
**MANUAL DE INSTALACIÓN INFRAESTRUCTURA
DE BI**

**CARLOS MEJIA, CALEB NARANJO, FABIÁN
CRUZ**

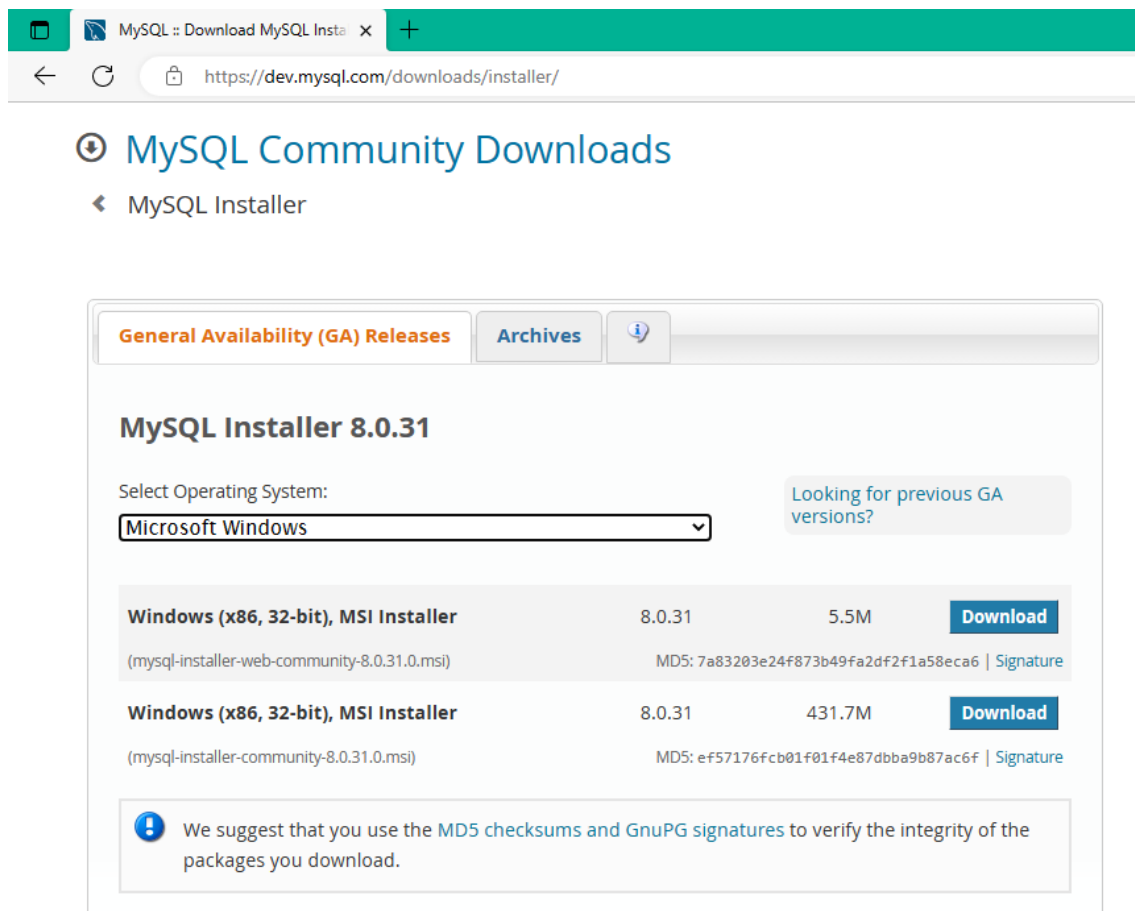
MySQL 8.0.31

Ingresa a la página oficial de MySQL

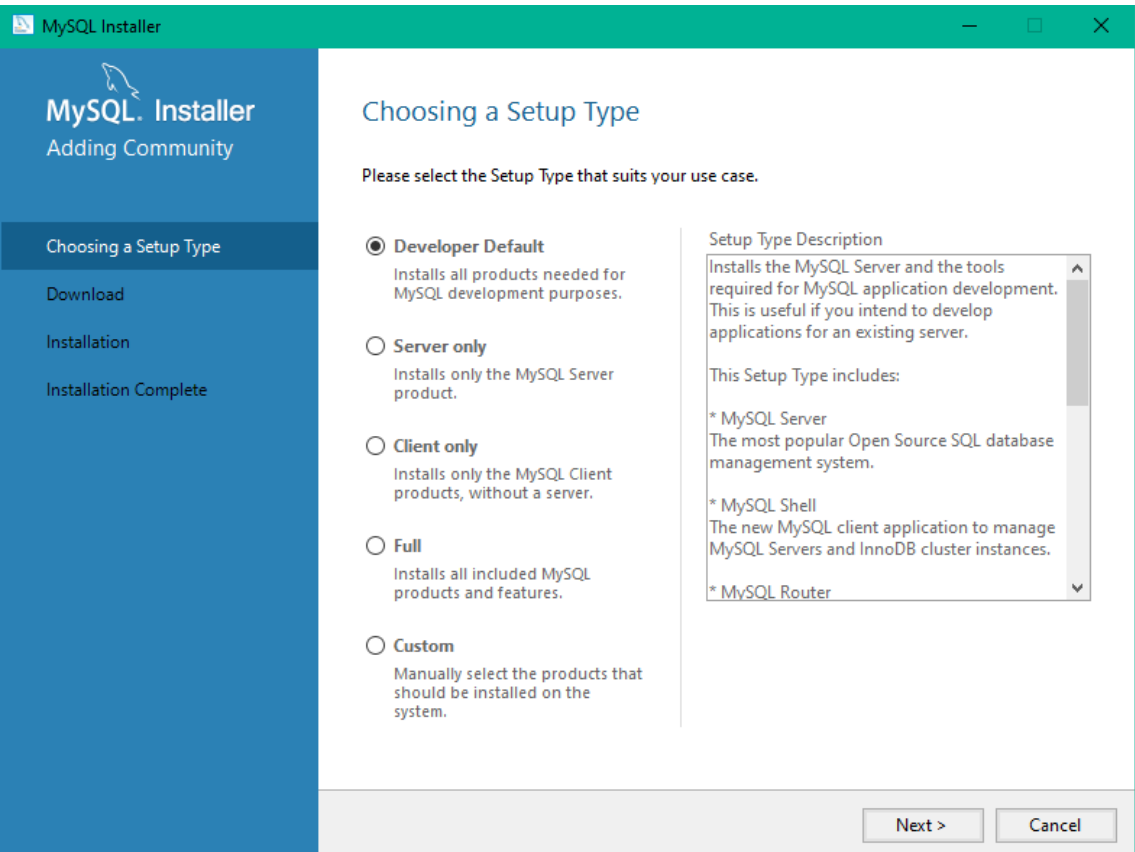
<https://www.mysql.com/>



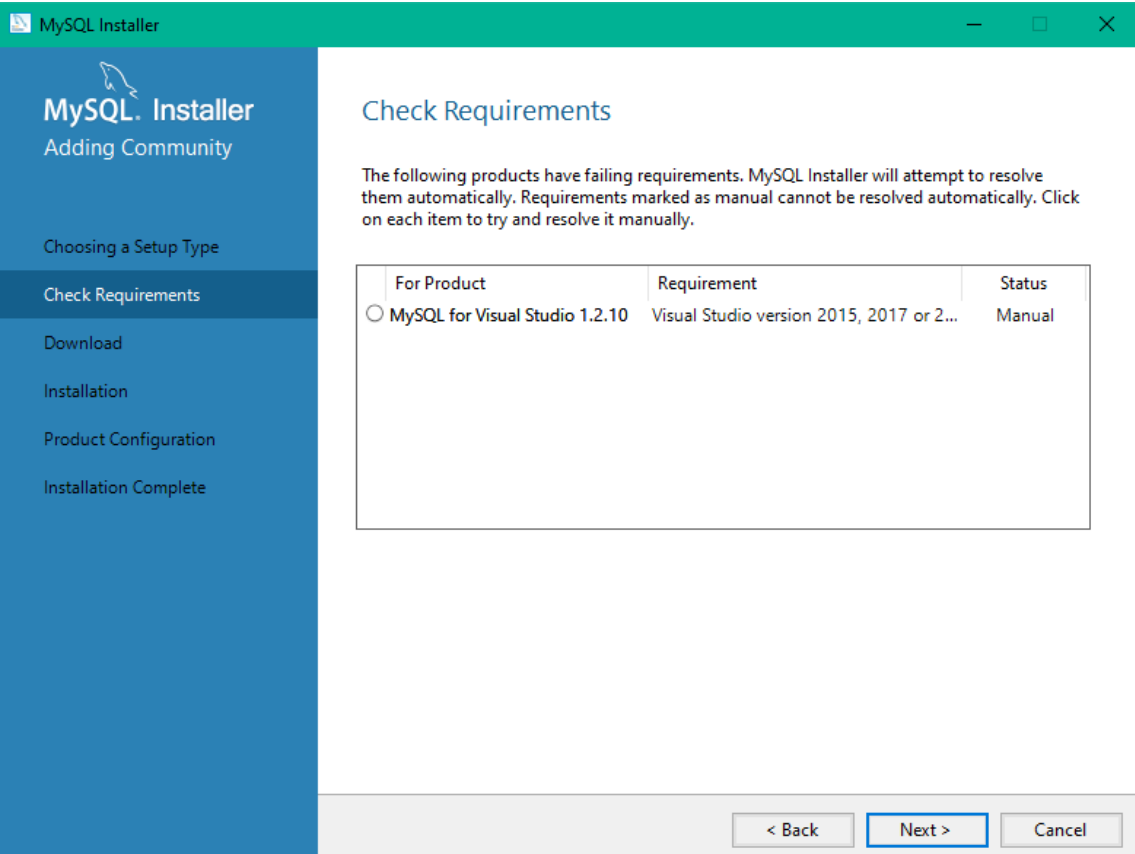
Elegir el instalador para Windows.



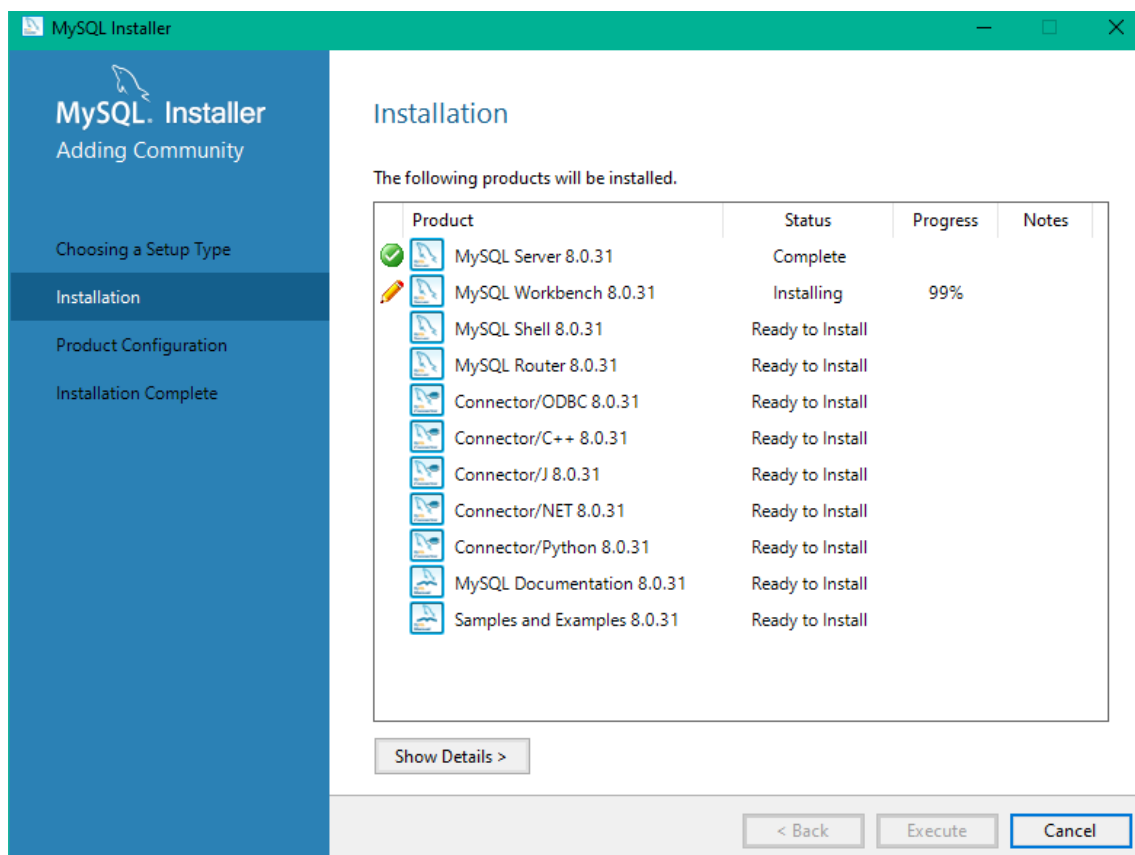
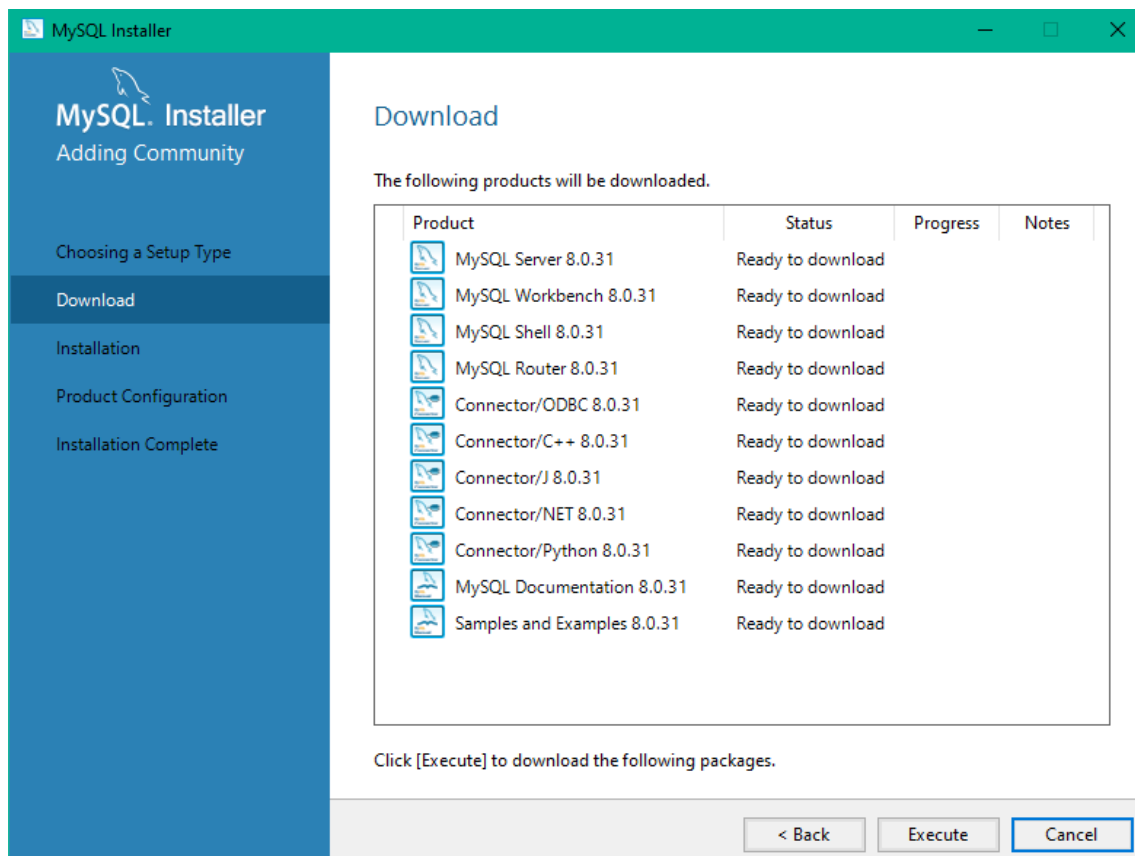
Inicia la instalación y se escoge el tipo de configuración.

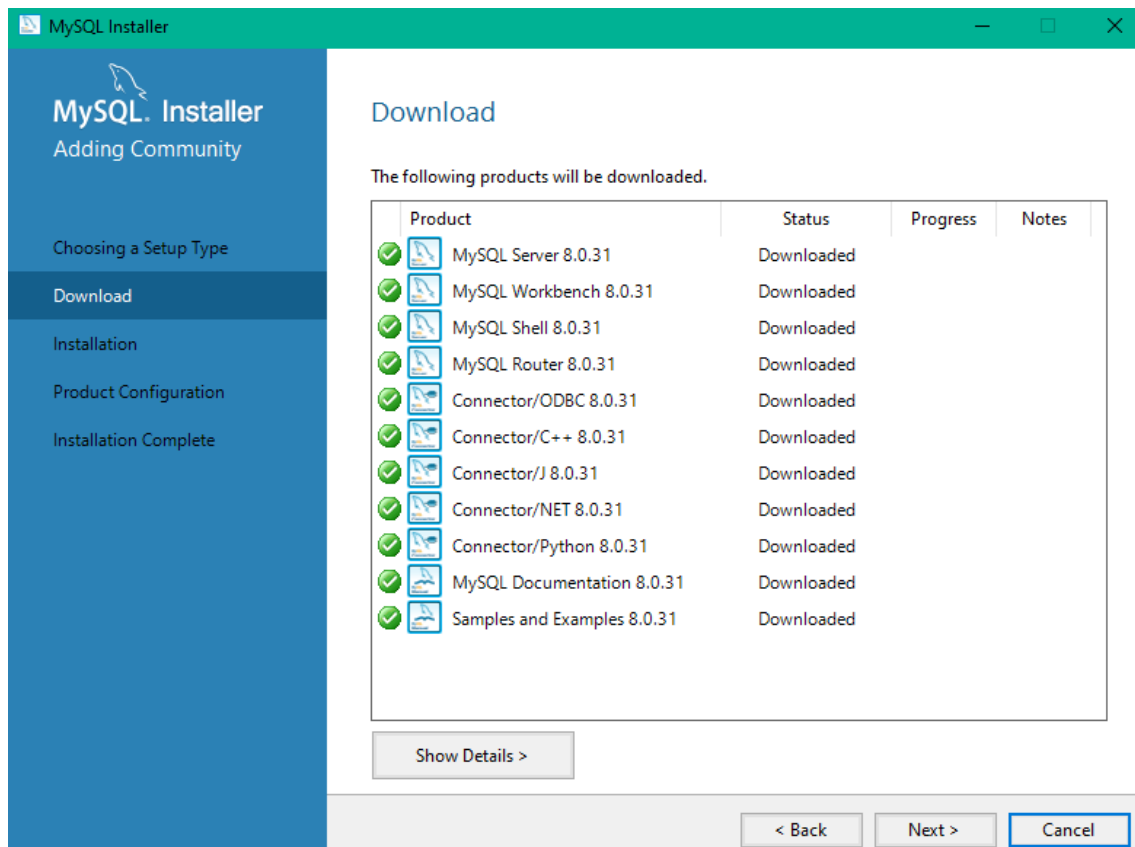


Se comprueban los requisitos.

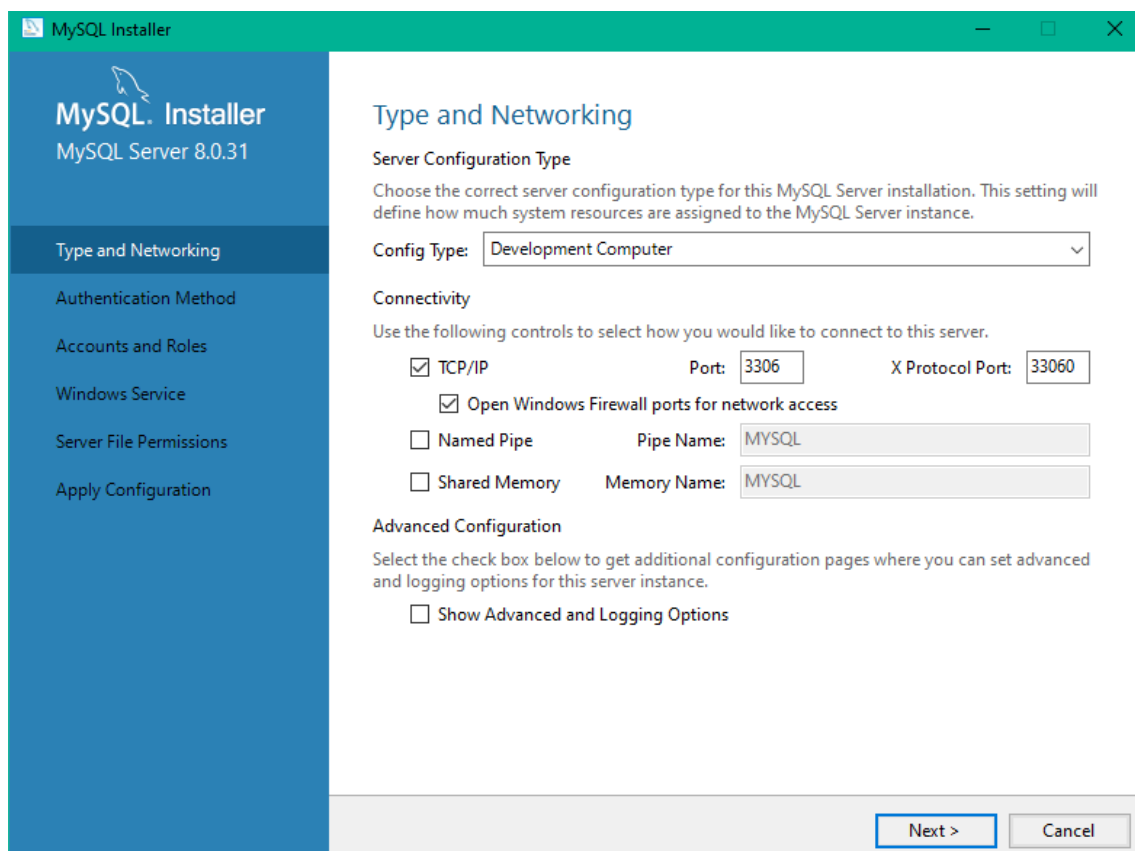


Se descargarán los siguientes productos:

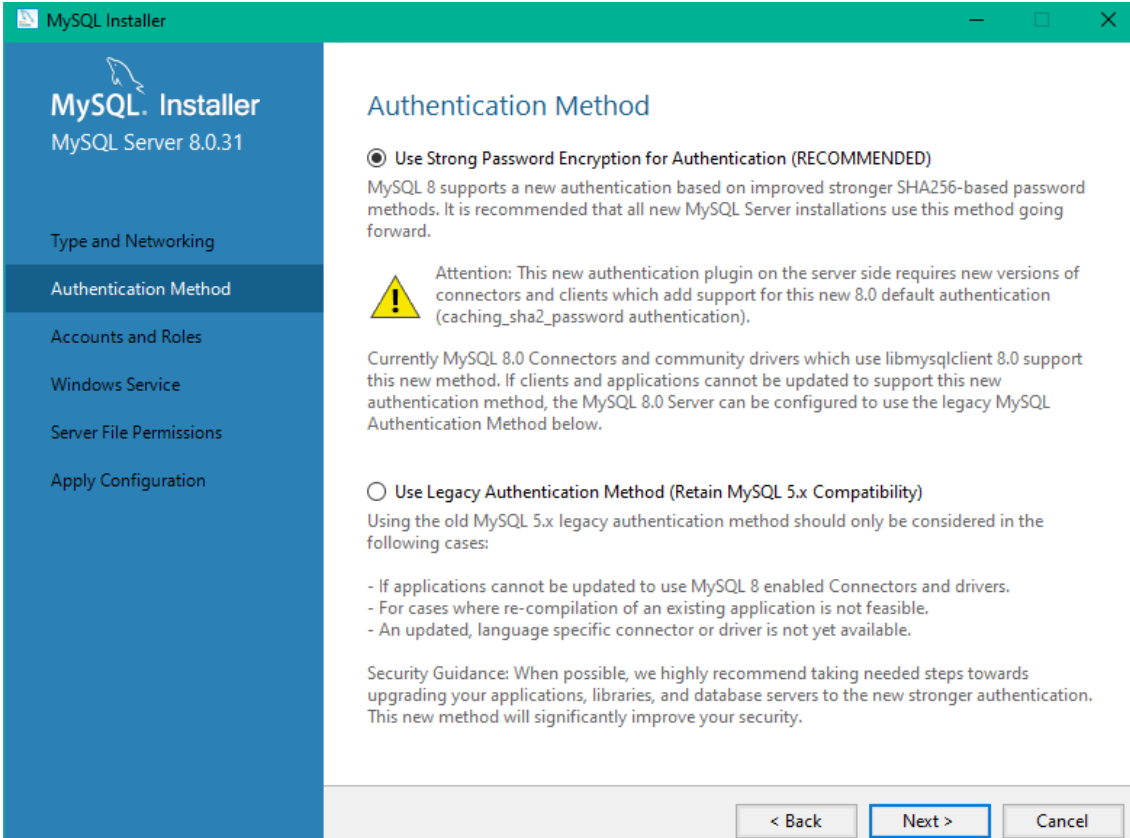




Se configura el tipo y las redes.



Información sobre el Método de Autenticación:



The screenshot shows the 'Authentication Method' screen of the MySQL Installer. The left sidebar lists the installation steps: Type and Networking, Authentication Method (selected), Accounts and Roles, Windows Service, Server File Permissions, and Apply Configuration. The main area is titled 'Authentication Method' and contains two radio button options. The first option, 'Use Strong Password Encryption for Authentication (RECOMMENDED)', is selected. It includes a warning icon and text stating that MySQL 8 supports a new authentication method based on improved stronger SHA256-based password methods. It also mentions that this method requires new versions of connectors and clients. The second option, 'Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)', is unselected and includes text explaining that it should only be considered in specific cases where updating is not feasible. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

MySQL. Installer
MySQL Server 8.0.31

Type and Networking

Authentication Method

Accounts and Roles

Windows Service


Server File Permissions

Apply Configuration

Authentication Method

☒ **Use Strong Password Encryption for Authentication (RECOMMENDED)**

MySQL 8 supports a new authentication based on improved stronger SHA256-based password methods. It is recommended that all new MySQL Server installations use this method going forward.

 Attention: This new authentication plugin on the server side requires new versions of connectors and clients which add support for this new 8.0 default authentication (caching_sha2_password authentication).

Currently MySQL 8.0 Connectors and community drivers which use libmysqlclient 8.0 support this new method. If clients and applications cannot be updated to support this new authentication method, the MySQL 8.0 Server can be configured to use the legacy MySQL Authentication Method below.

☐ **Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)**

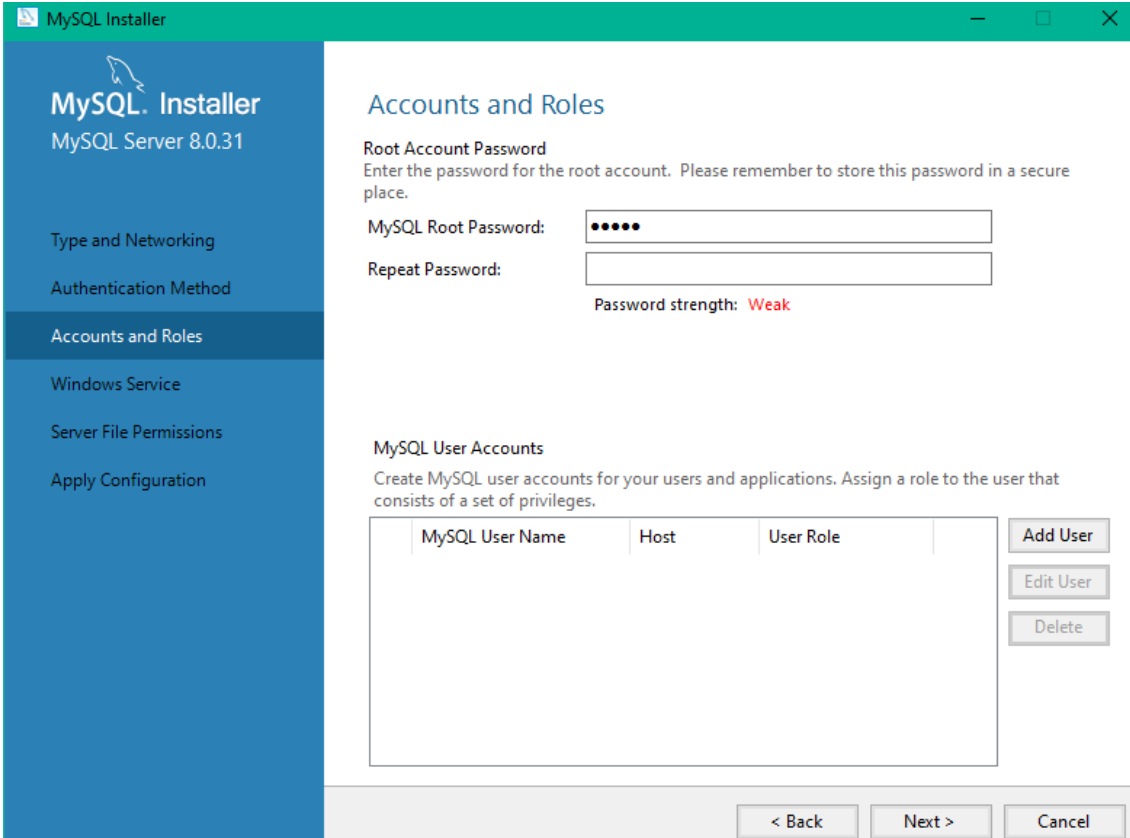
Using the old MySQL 5.x legacy authentication method should only be considered in the following cases:

- If applications cannot be updated to use MySQL 8 enabled Connectors and drivers.
- For cases where re-compilation of an existing application is not feasible.
- An updated, language specific connector or driver is not yet available.

Security Guidance: When possible, we highly recommend taking needed steps towards upgrading your applications, libraries, and database servers to the new stronger authentication. This new method will significantly improve your security.

< Back Next > Cancel

Escoger una contraseña para la cuenta de root.



The screenshot shows the 'Accounts and Roles' screen of the MySQL Installer. The left sidebar lists the installation steps: Type and Networking, Authentication Method, Accounts and Roles (selected), Windows Service, Server File Permissions, and Apply Configuration. The main area is titled 'Accounts and Roles' and contains a section for 'Root Account Password'. It prompts the user to enter a password for the root account and provides two input fields: 'MySQL Root Password' and 'Repeat Password'. The password strength is indicated as 'Weak'. Below this, there is a section for 'MySQL User Accounts' which includes a table with columns for 'MySQL User Name', 'Host', and 'User Role'. To the right of the table are buttons for 'Add User', 'Edit User', and 'Delete'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

MySQL. Installer
MySQL Server 8.0.31

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

Accounts and Roles

Root Account Password

Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

Password strength: **Weak**

MySQL User Accounts

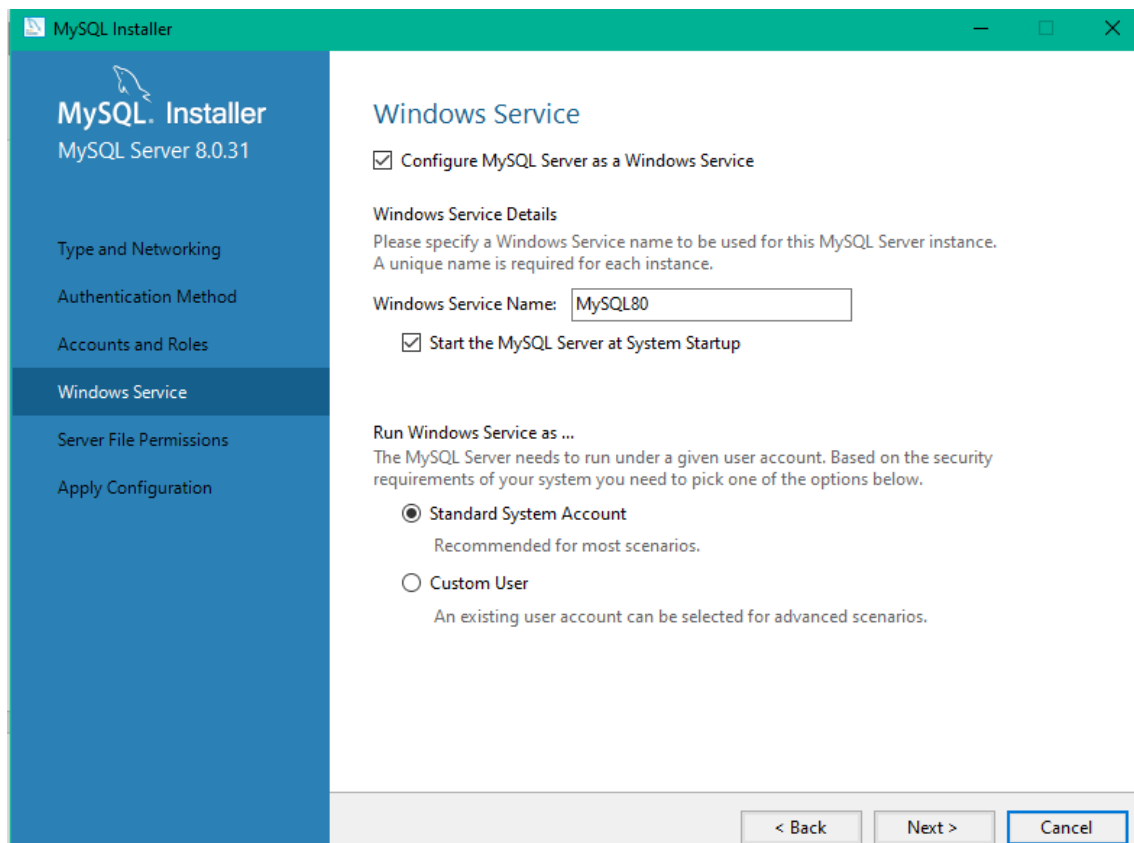
Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
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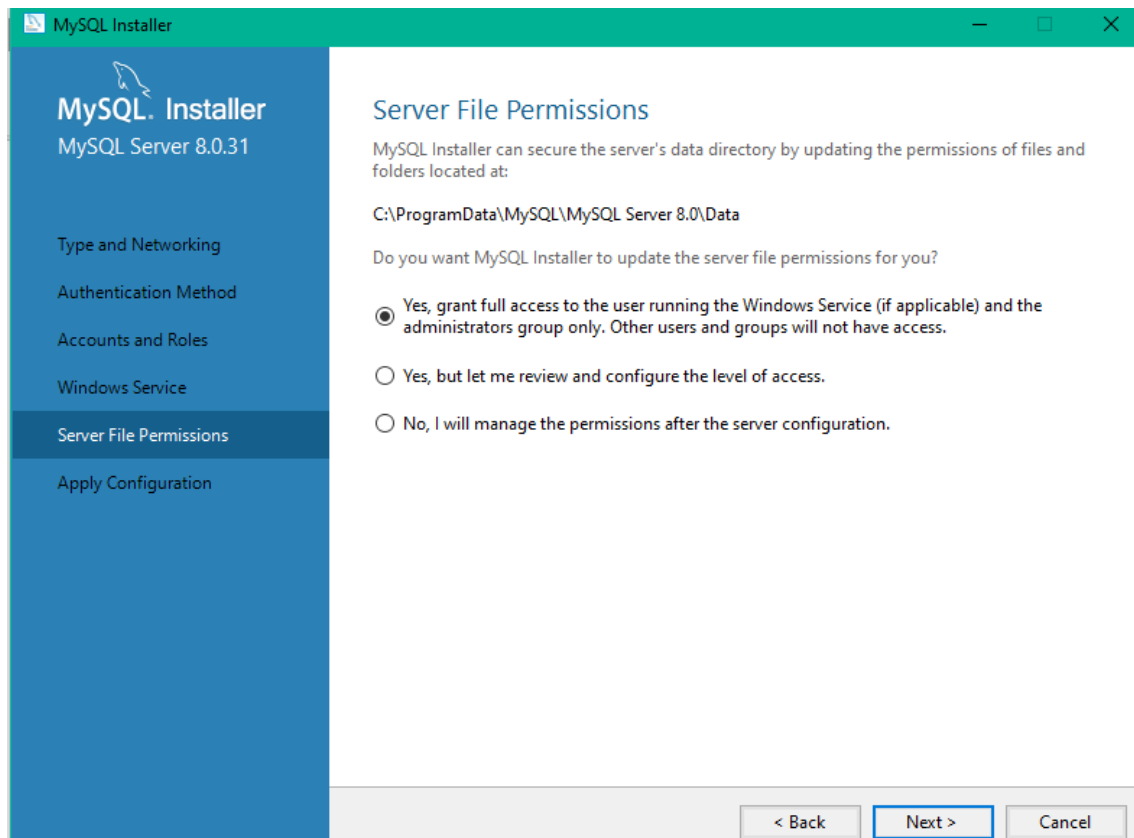
Add User Edit User Delete

< Back Next > Cancel

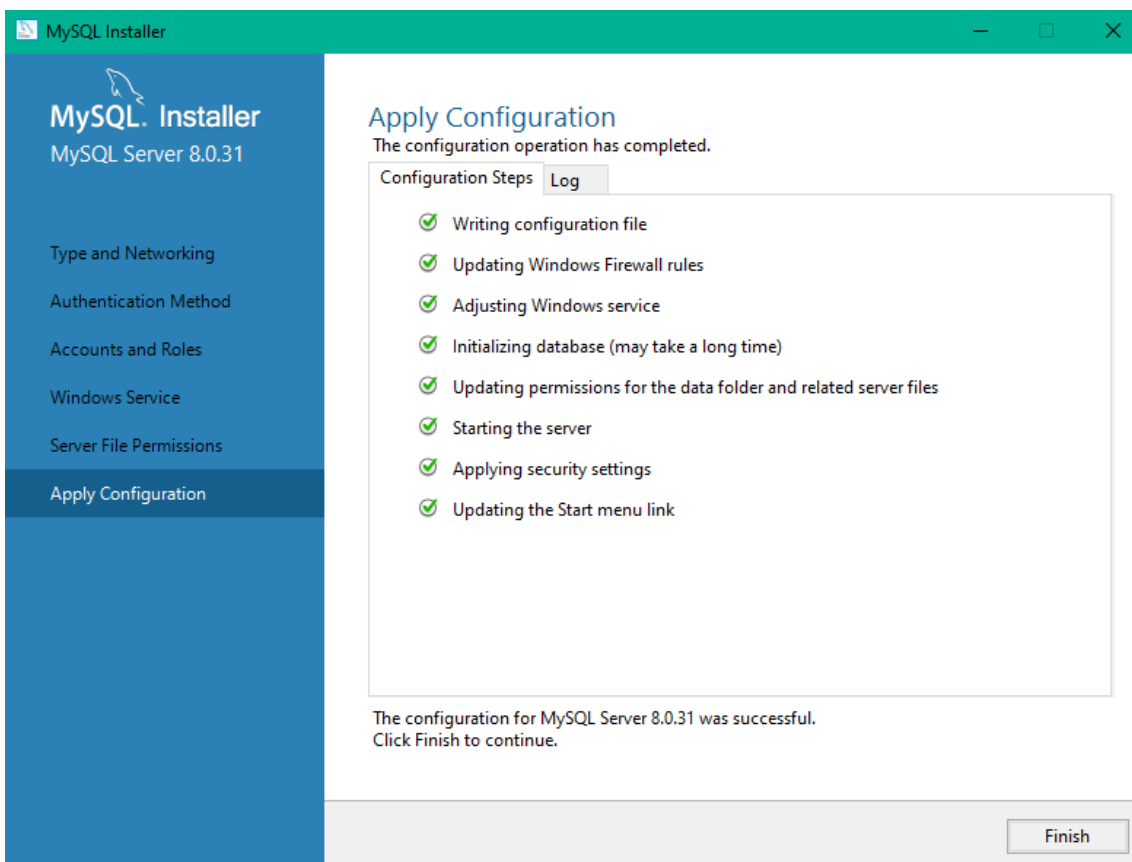
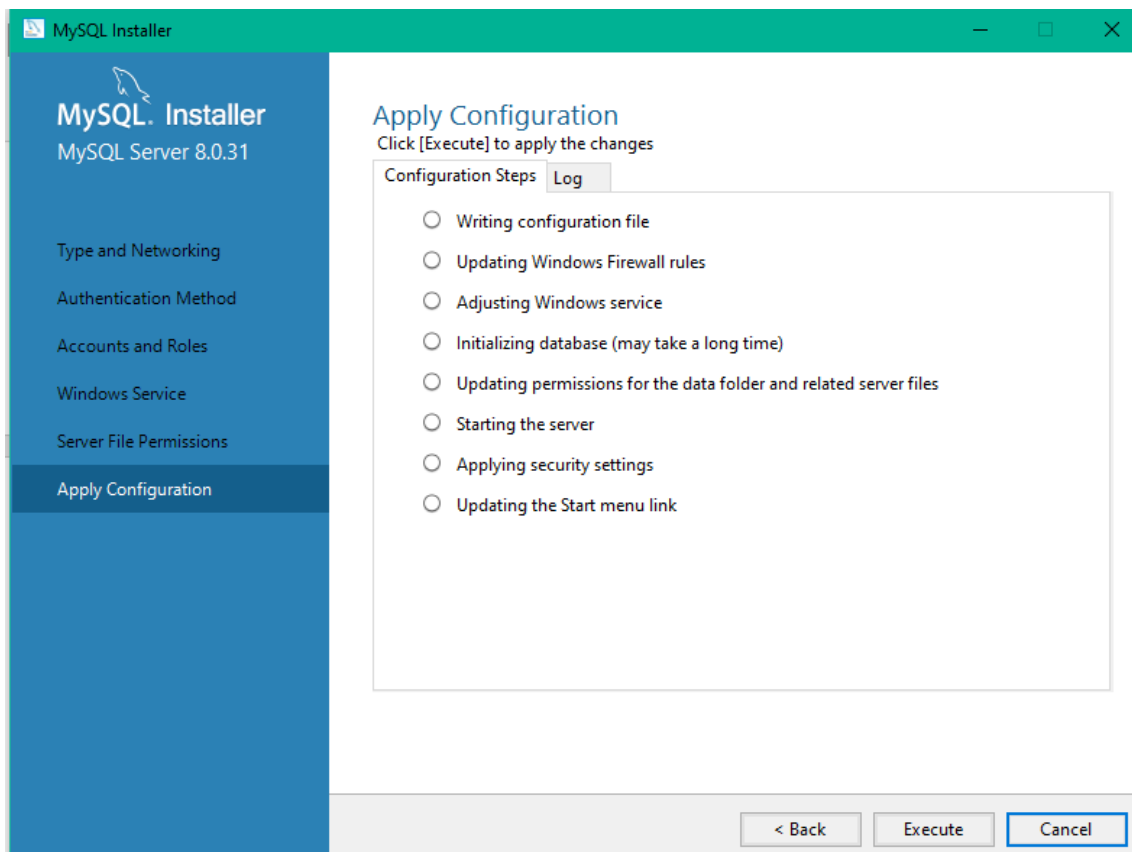
Configurar MySQL server como un servicio de Windows.



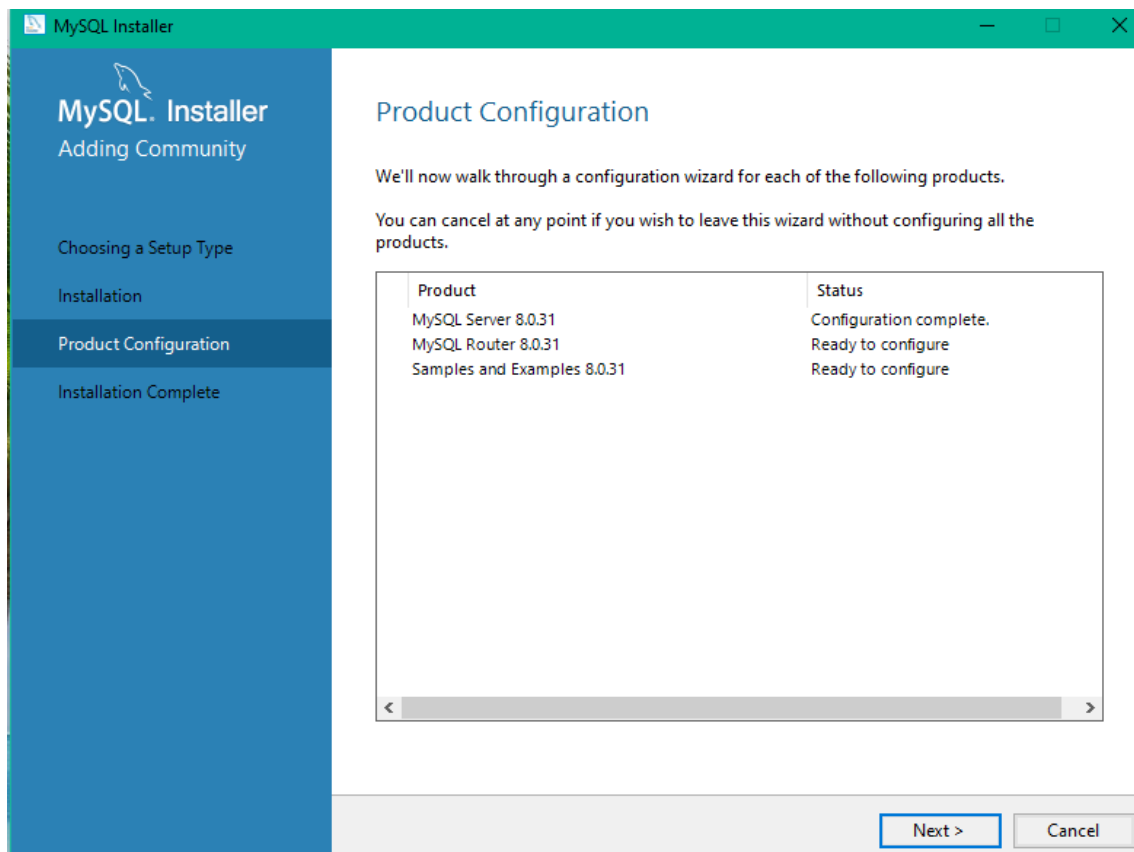
Configuración de permisos de archivos del servidor



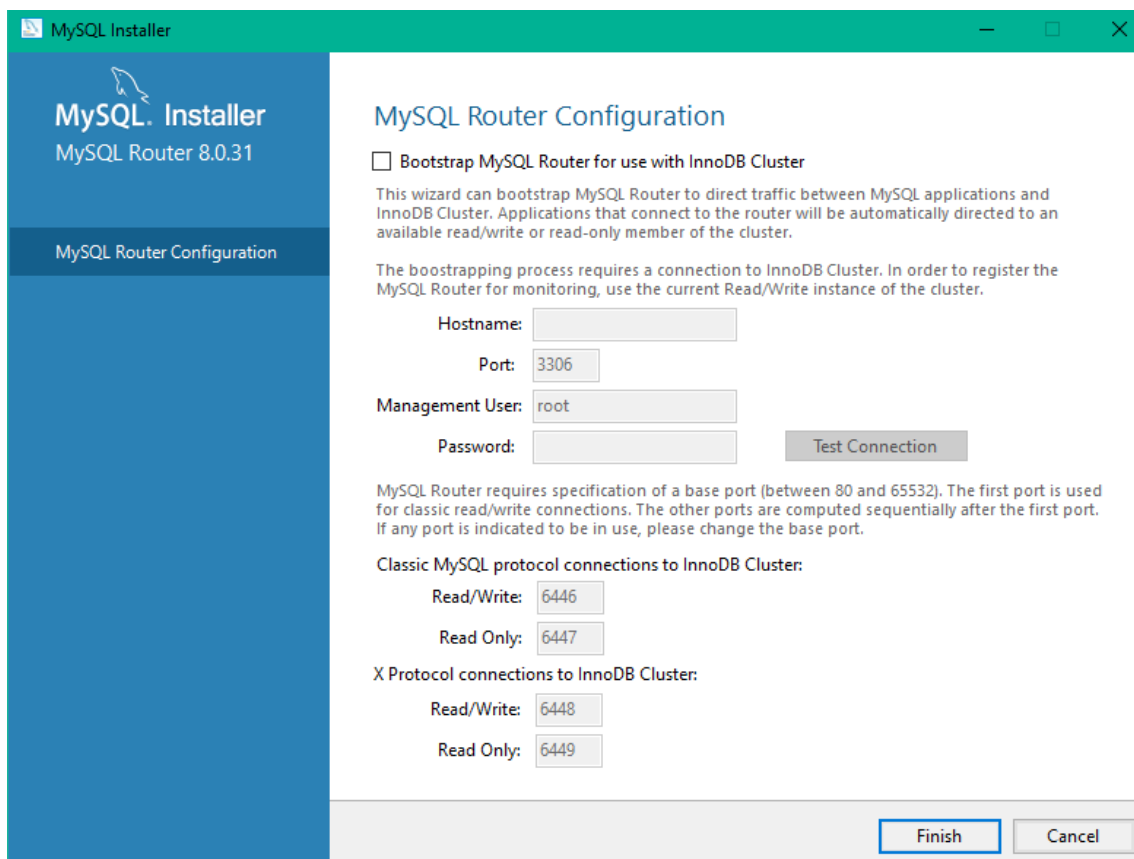
Se aplica toda la configuración realizada.



Información sobre la configuración del producto.



Configuración del enrutador MySQL.



Se conecta con el servidor y se verifica la contraseña antes ingresada.

MySQL Installer

Samples and Examples

Connect To Server

Apply Configuration

Connect To Server

Select the MySQL server instances from the list to receive sample schemas and data.

	Server	Port	Arch...	Type	Status
<input checked="" type="checkbox"/>	MySQL Server 8.0.31	3306	X64	Stand-alone Server	Running

Provide the credentials that should be used (requires root privileges).
Click "Check" to ensure they work.

User name: Credentials provided in Server configuration

Password:

MySQL Installer

Samples and Examples

Connect To Server

Apply Configuration

Connect To Server

Select the MySQL server instances from the list to receive sample schemas and data.

	Server	Port	Arch...	Type	Status
<input checked="" type="checkbox"/>	MySQL Server 8.0.31	3306	X64	Stand-alone Server	Connection succeeded.

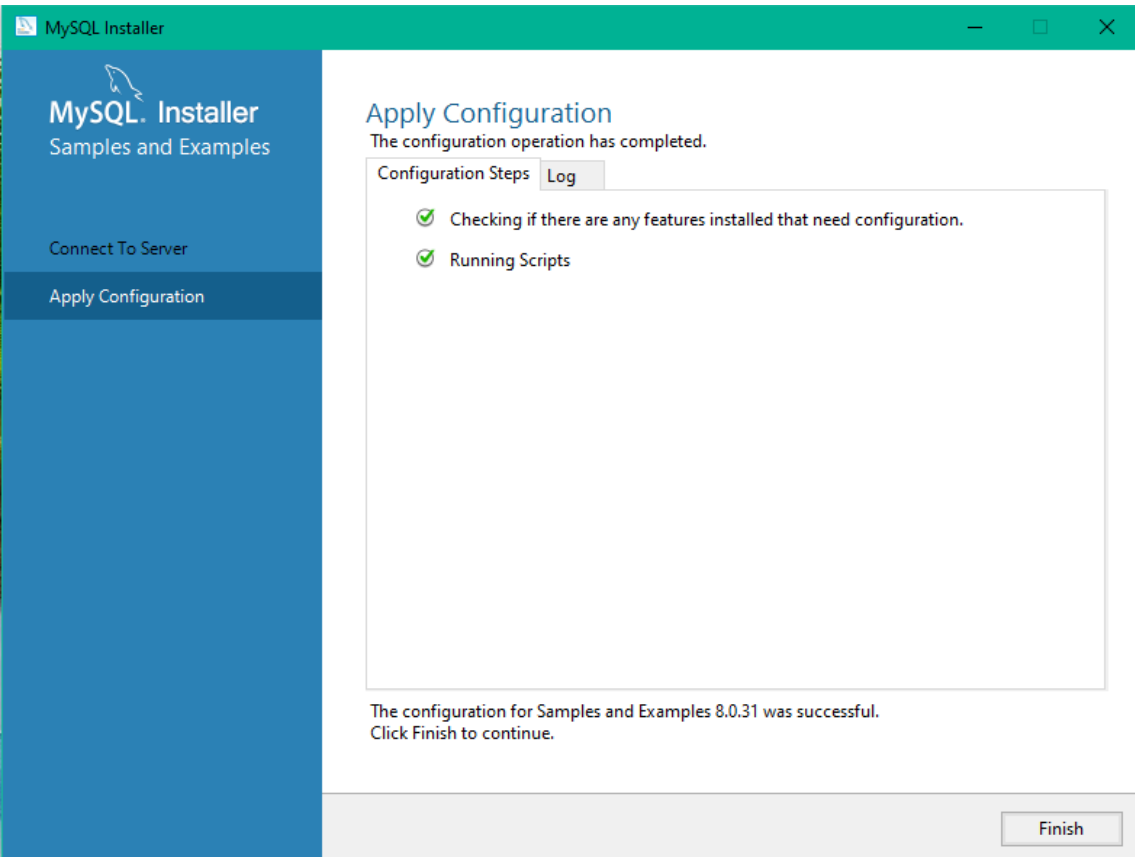
Provide the credentials that should be used (requires root privileges).
Click "Check" to ensure they work.

User name: Credentials provided in Server configuration

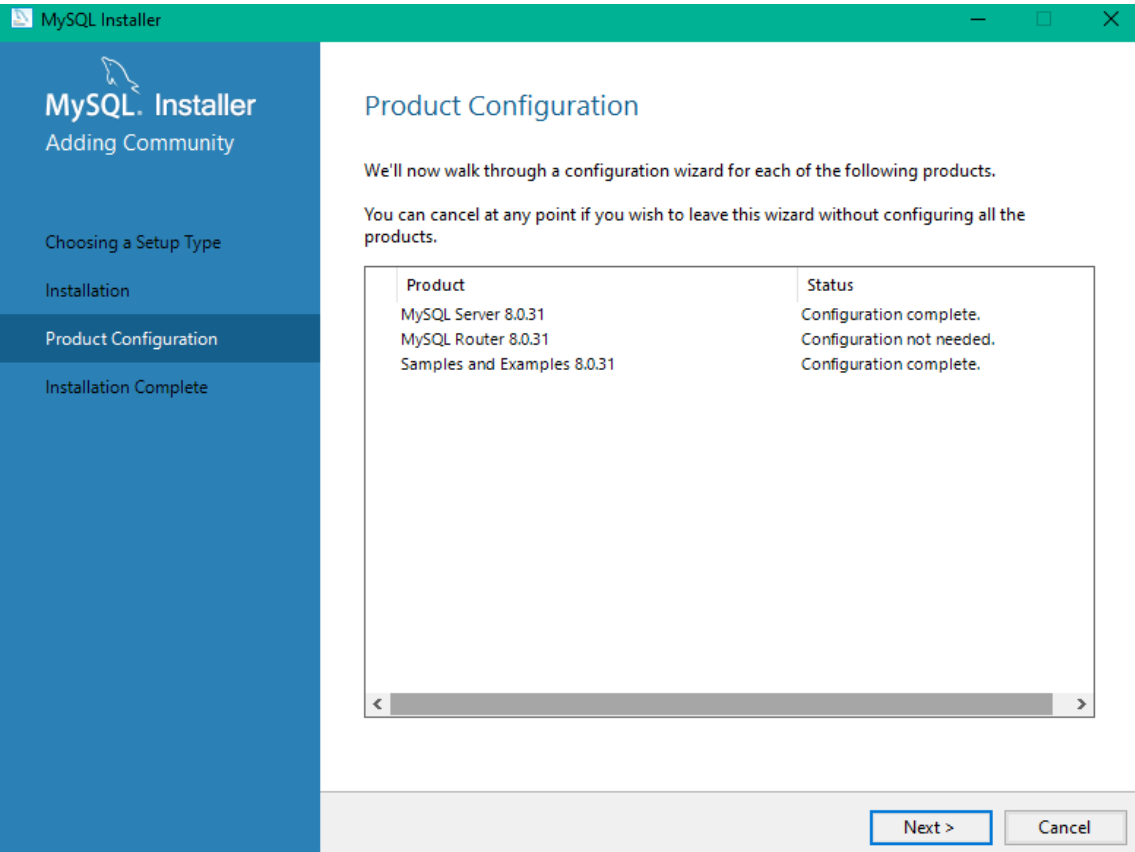
Password:

✓

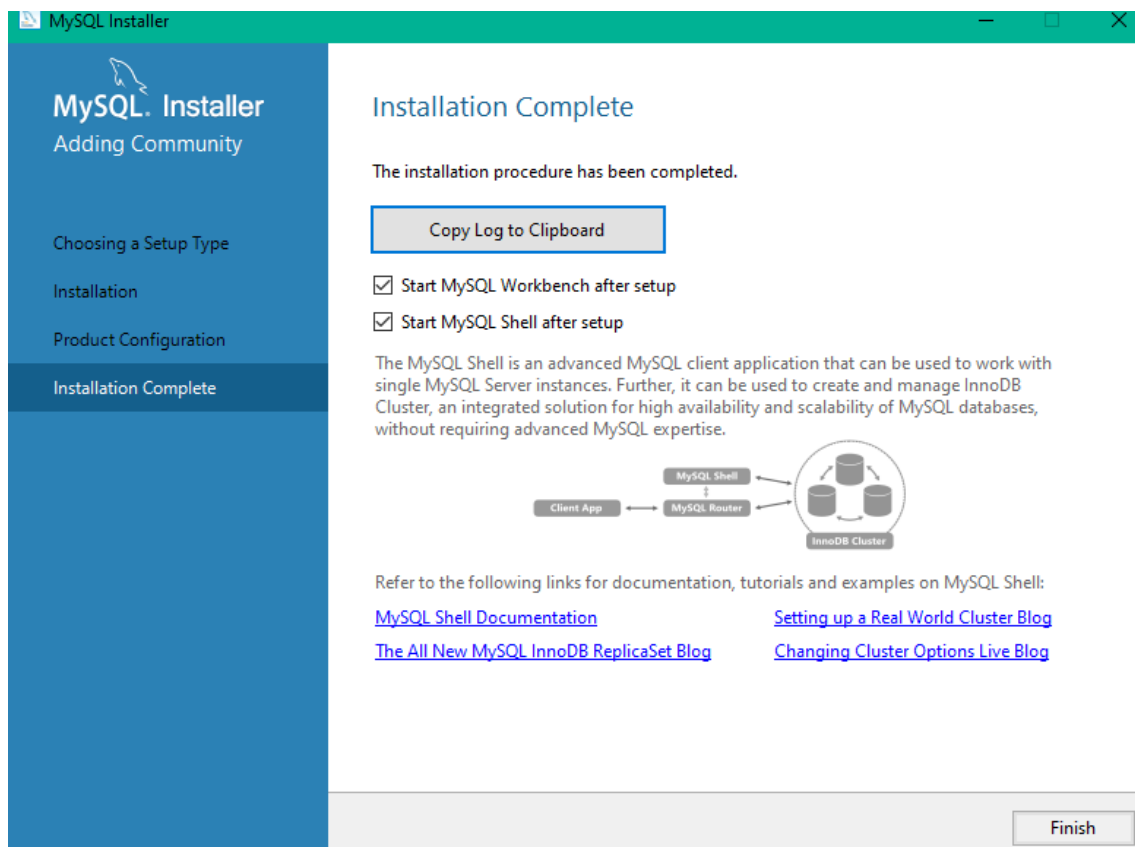
Se aplica la configuración.



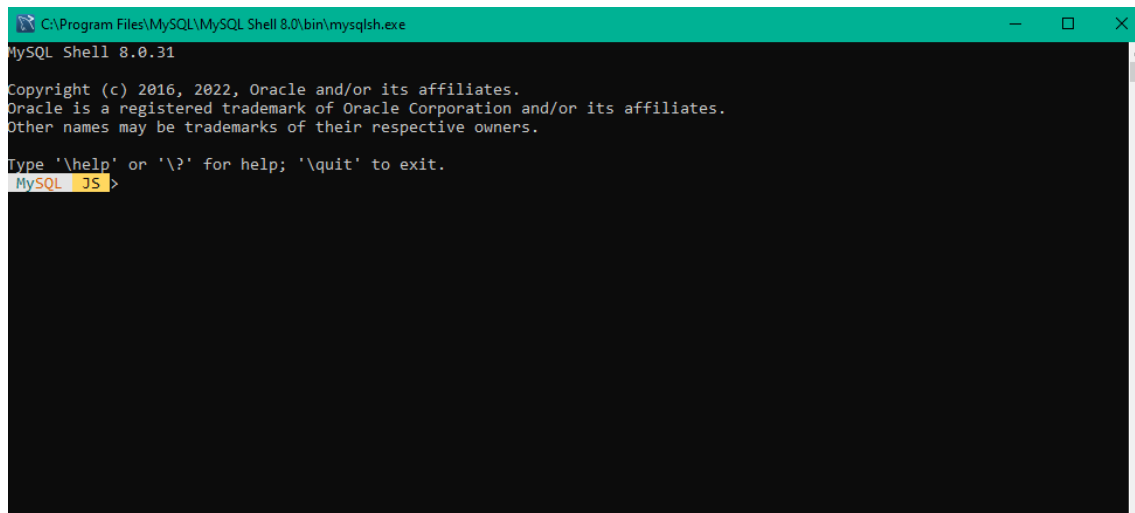
Información sobre la configuración del producto.



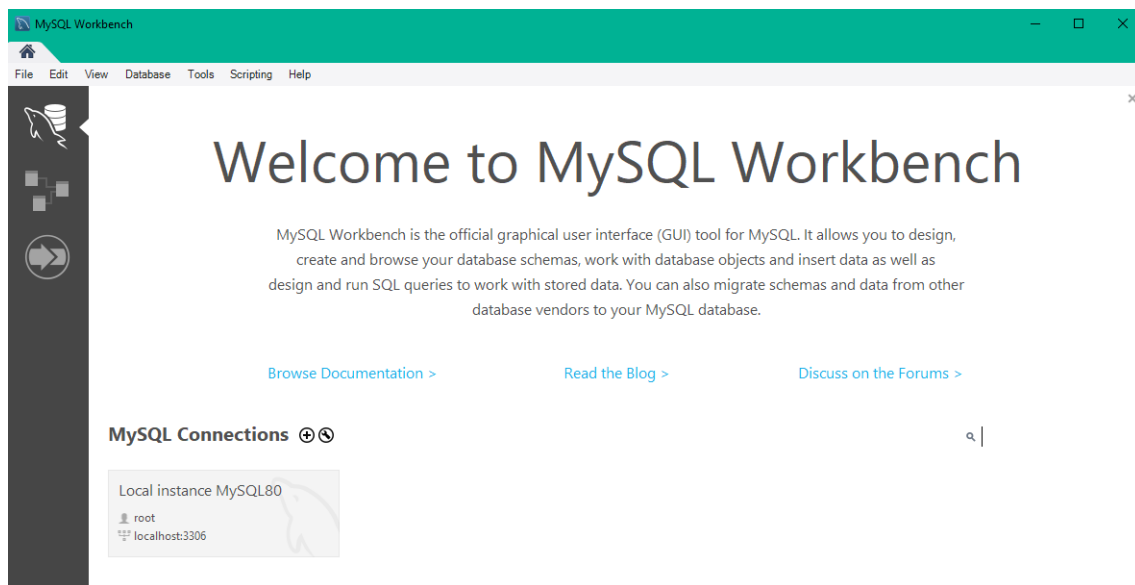
Se completa la instalación.



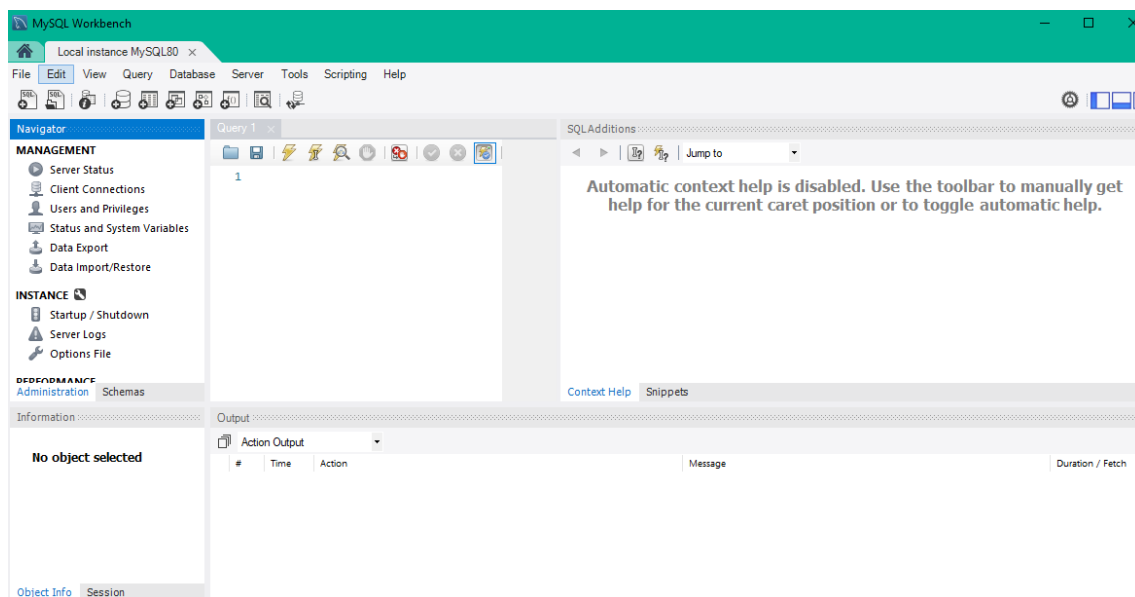
Se ejecuta MySQL Shell.



Se abre MySQL Workbench.



Se comprueba su funcionamiento.

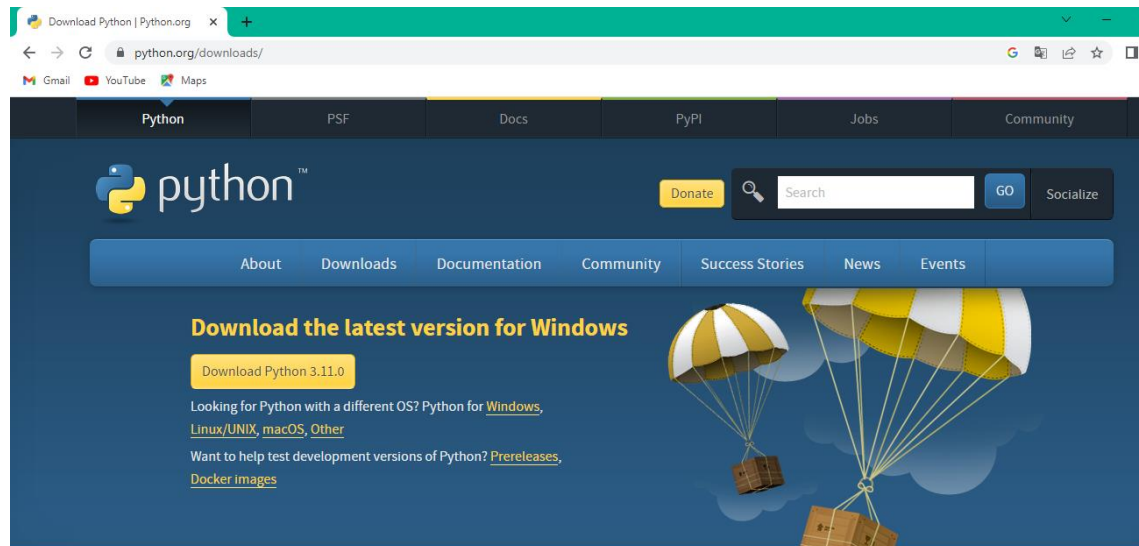


Con esto se finaliza la instalación de MySQL 8.0.31.

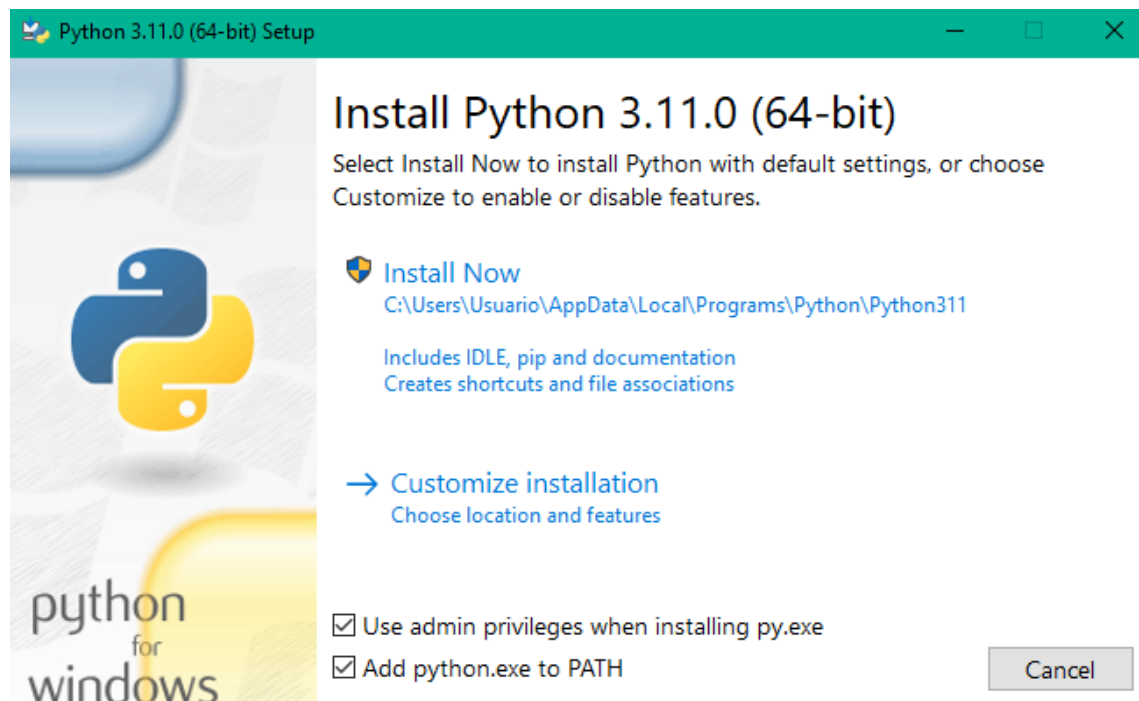
PYTHON 3.11

Ingresar a la página oficial de Python:

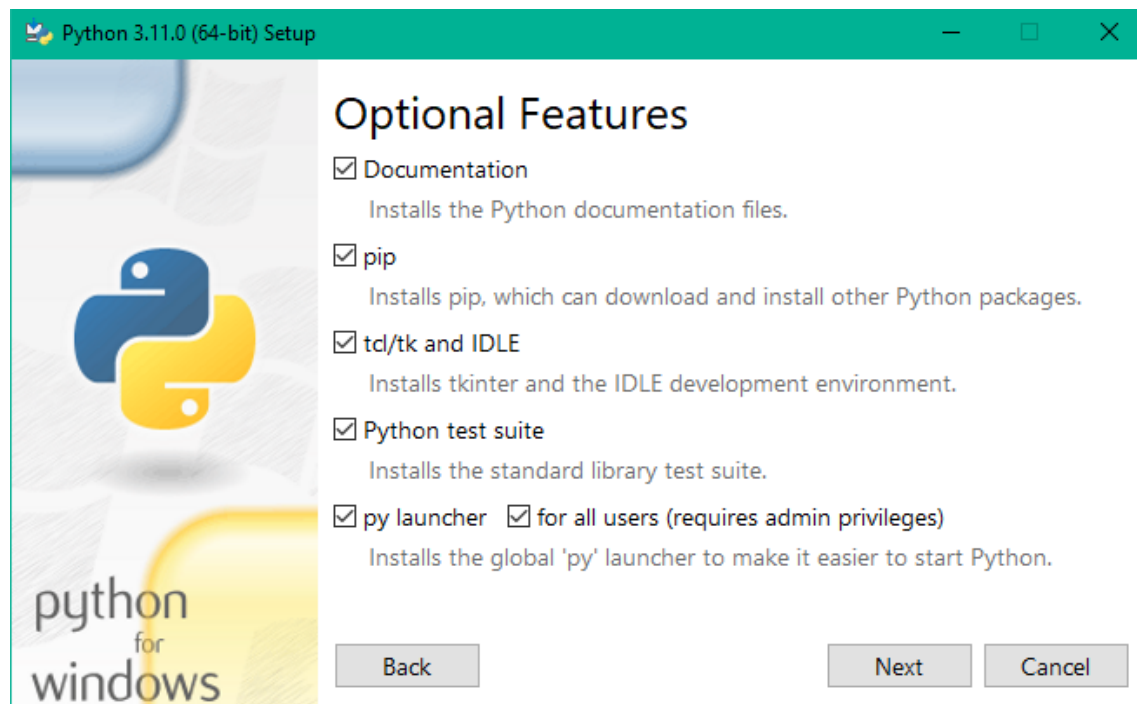
<https://www.python.org/downloads/>



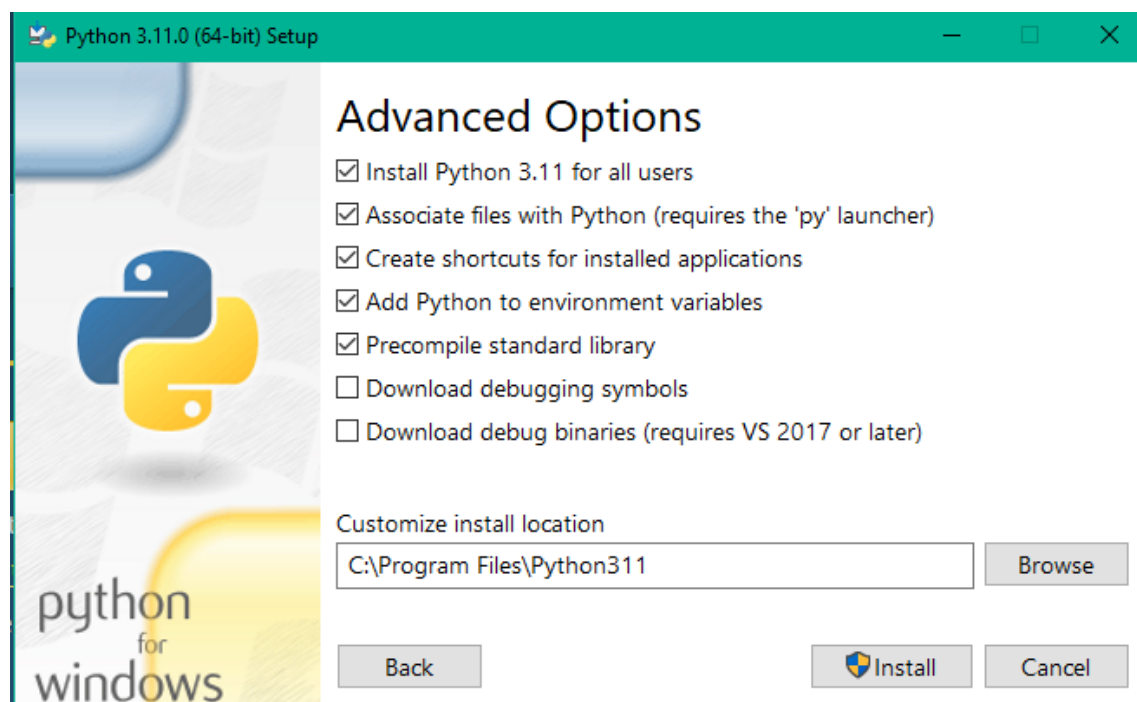
Descargar Python 3.11 para Windows.



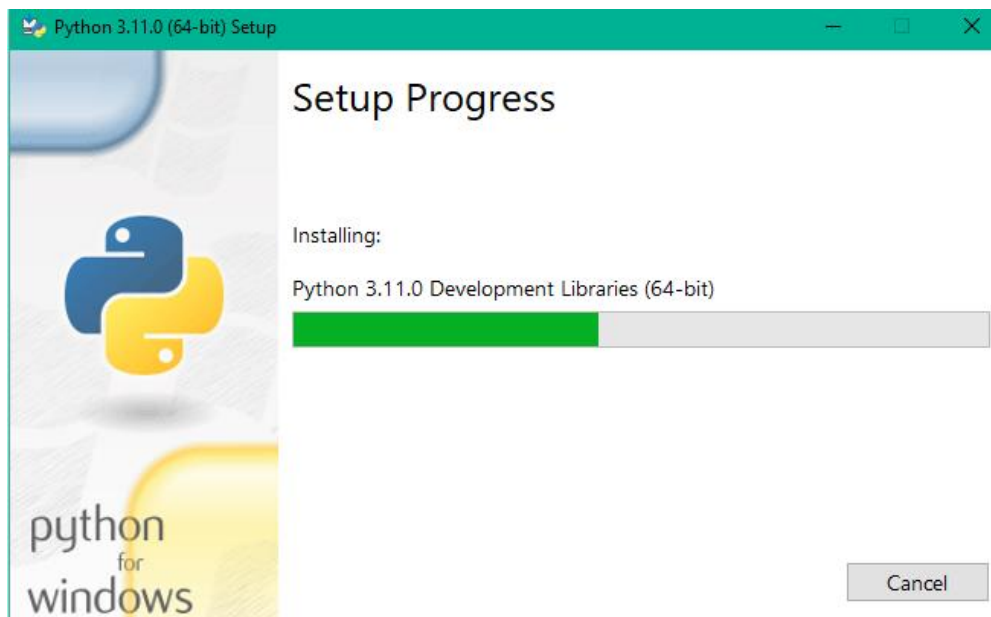
Seleccionar las características opcionales.



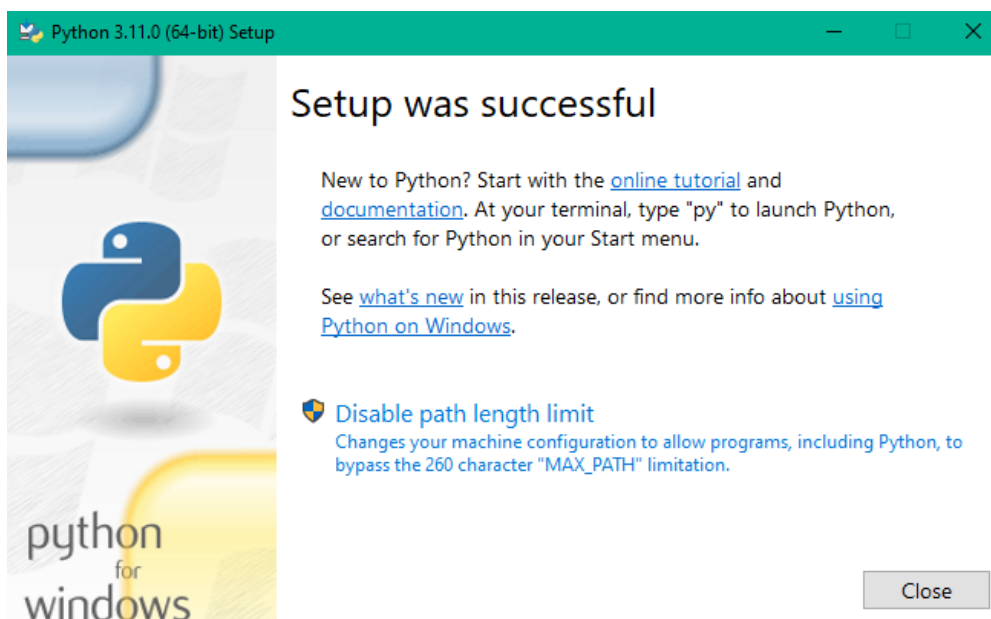
Elegir las opciones avanzadas y la ruta de instalación.



Se inicia la instalación.

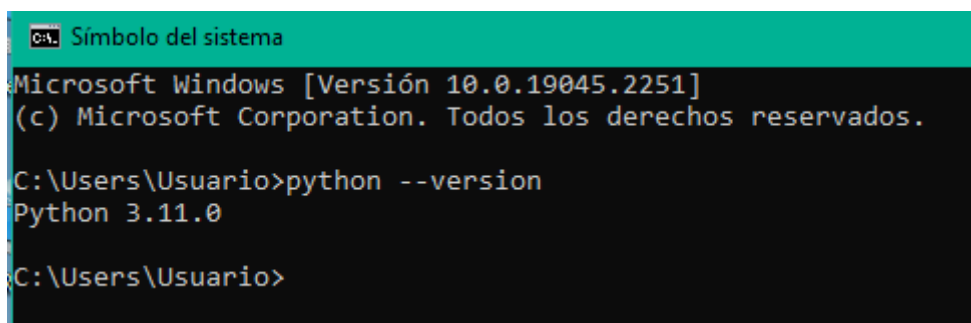


Se completa la instalación.



Para comprobar que se instaló correctamente, en la consola CMD se escribe el siguiente comando: `python --version`

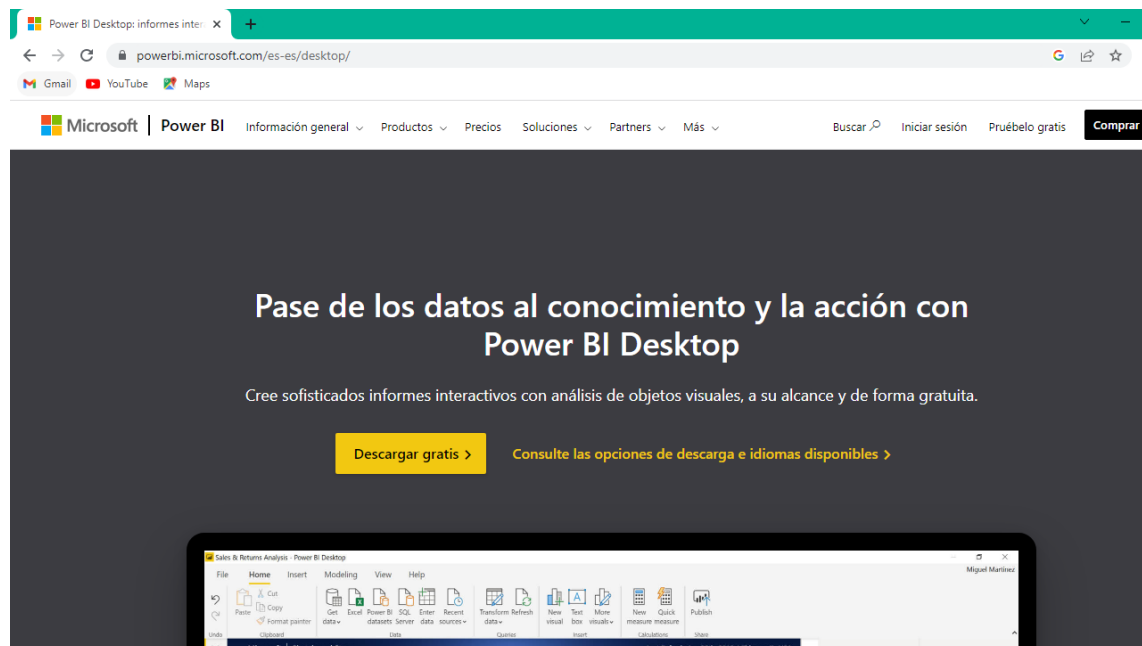
Nos devolverá que la versión instalada de Python efectivamente es la 3.11



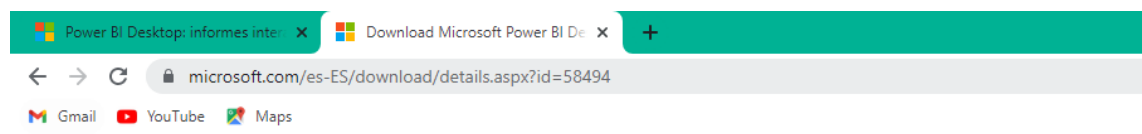
POWER BI DESKTOP

Ingresar a la página oficial de Microsoft Power BI:

<https://powerbi.microsoft.com/es-es/desktop/>



Seleccionar el idioma.



Microsoft Power BI Desktop

Importante: Al seleccionar uno de los siguientes idiomas se cambiará todo el contenido de la página a ese idioma de forma dinámica.

Selecciona un idioma:

[Descargar](#)

Microsoft Power BI Desktop se creó para los analistas. Combina visualizaciones interactivas de última generación con consultas y modelado de datos líderes en la industria integrados. Cree y publique sus informes en Power BI. Power BI Desktop ayuda a facilitar a otras personas información fundamental puntual, en cualquier momento y desde cualquier lugar.

- [+ Detalles](#)
- [+ Requisitos del sistema](#)
- [+ Instrucciones de instalación](#)

Seleccionar la primera opción que es la versión de 64 bits.

Power BI Desktop: informes inte xDownload Microsoft Power BI De x

← → ↻ microsoft.com/es-ES/download/details.aspx?id=58494

Gmail YouTube Maps

Elige la descarga que quieras

<input type="checkbox"/> Nombre del archivo	Tamaño
<input checked="" type="checkbox"/> PBIDesktopSetup_x64.exe	400.3 MB
<input type="checkbox"/> PBIDesktopSetup.exe	362.0 MB

Resumen de la descarga:
KBMBGB



1. PBIDesktopSetup_x64.exe

Tamaño total: 400.3 MB

Next

Inicia la instalación y se elige el idioma deseado.


15 Instalación de Microsoft Power BI Desktop (x64)

Asistente para la instalación de
Microsoft Power BI Desktop (x64)

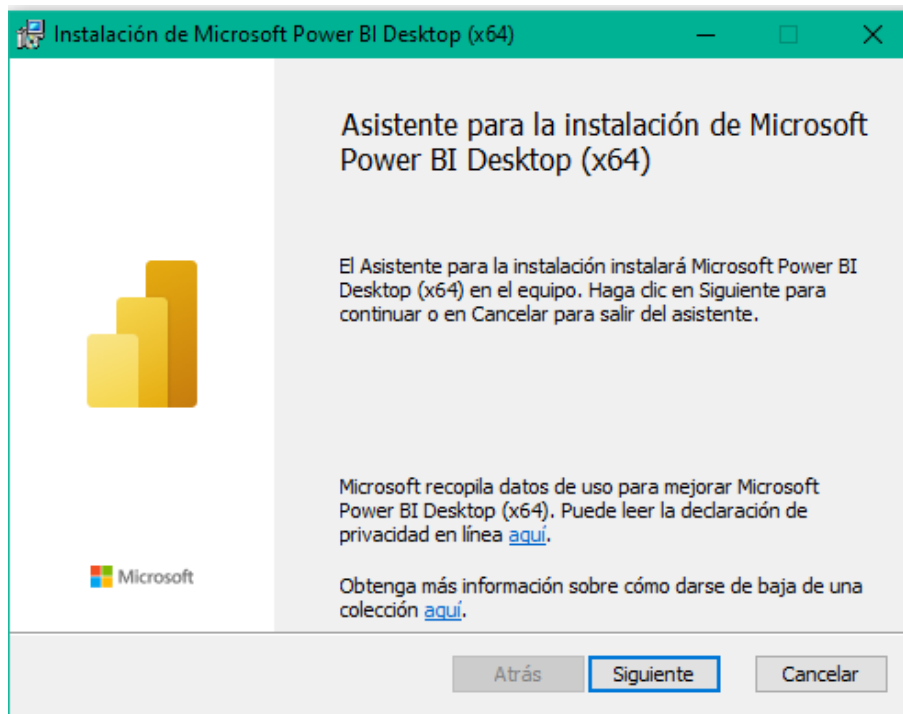
Selecciona un idioma:
Español

Atrás

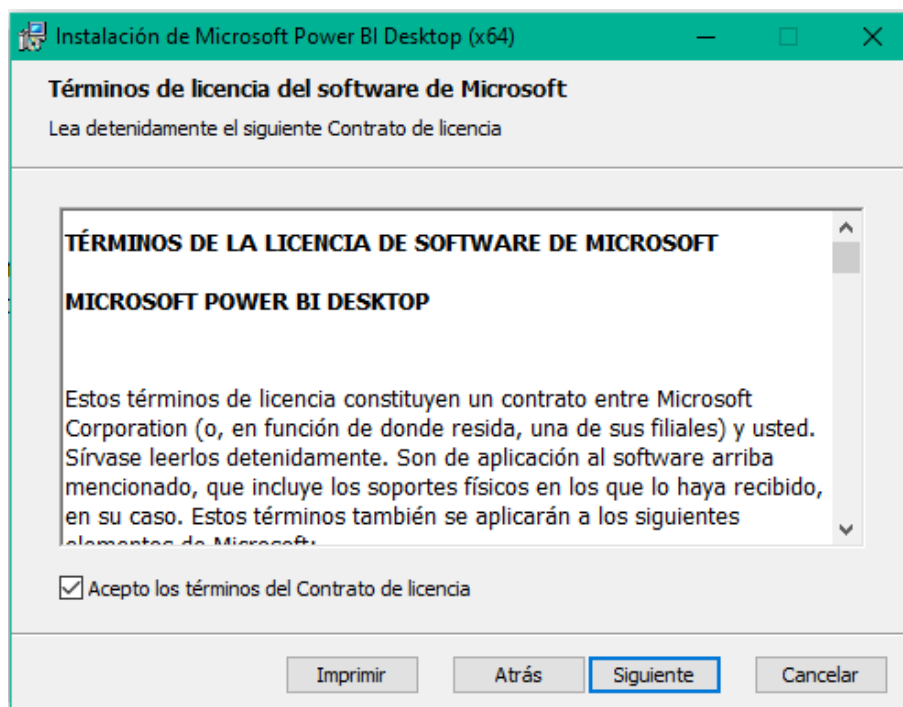
 Siguiente

Cancelar

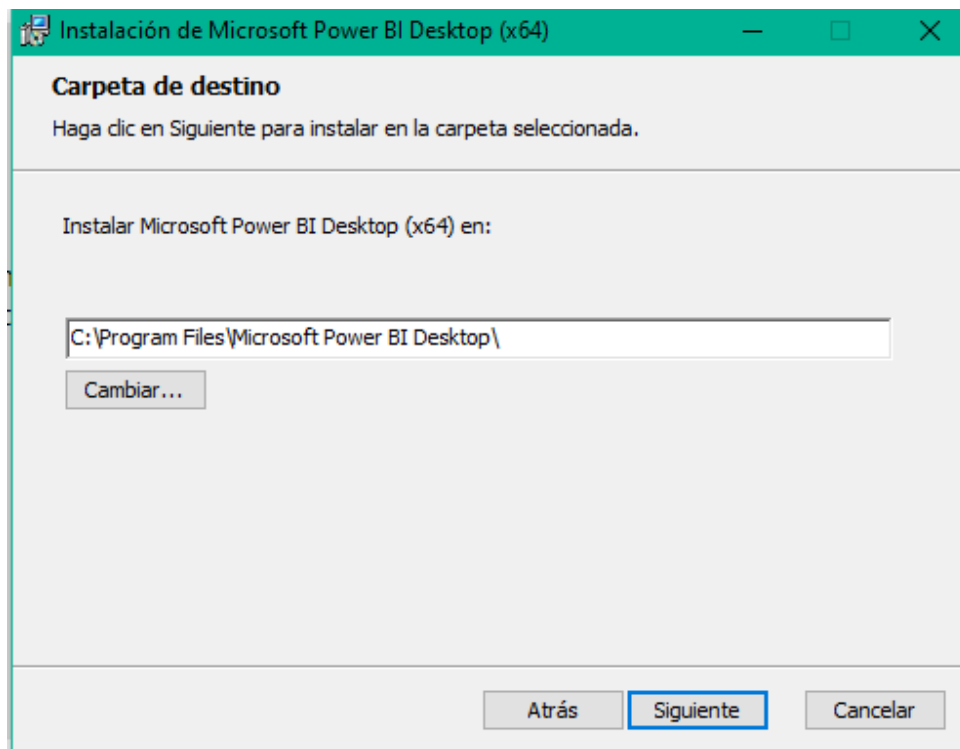
Dar clic en siguiente.



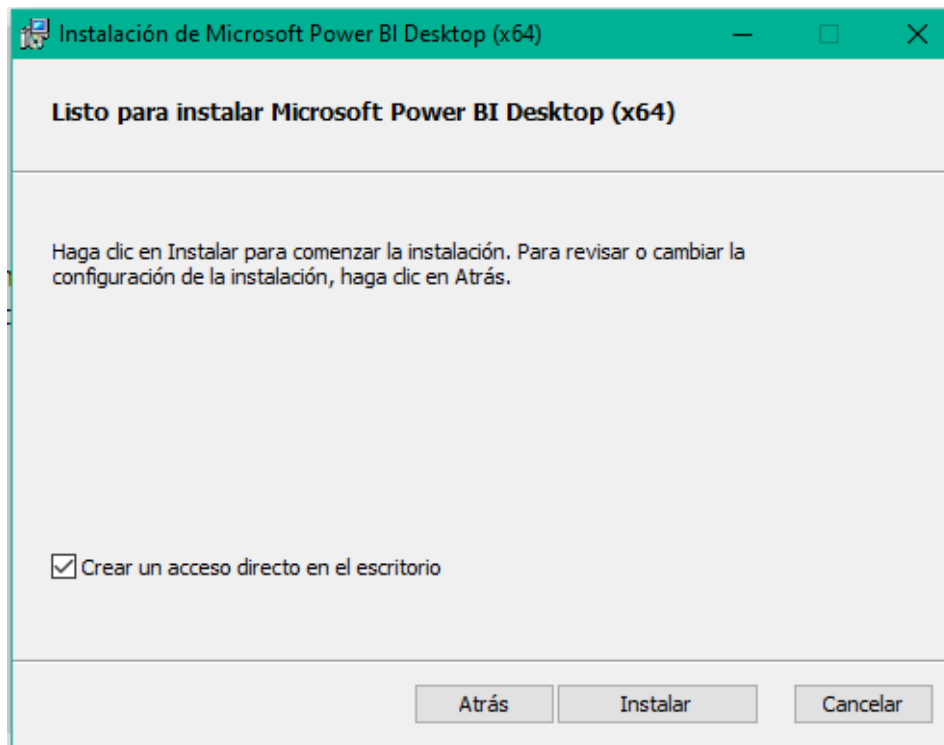
Aceptar los términos de la licencia.



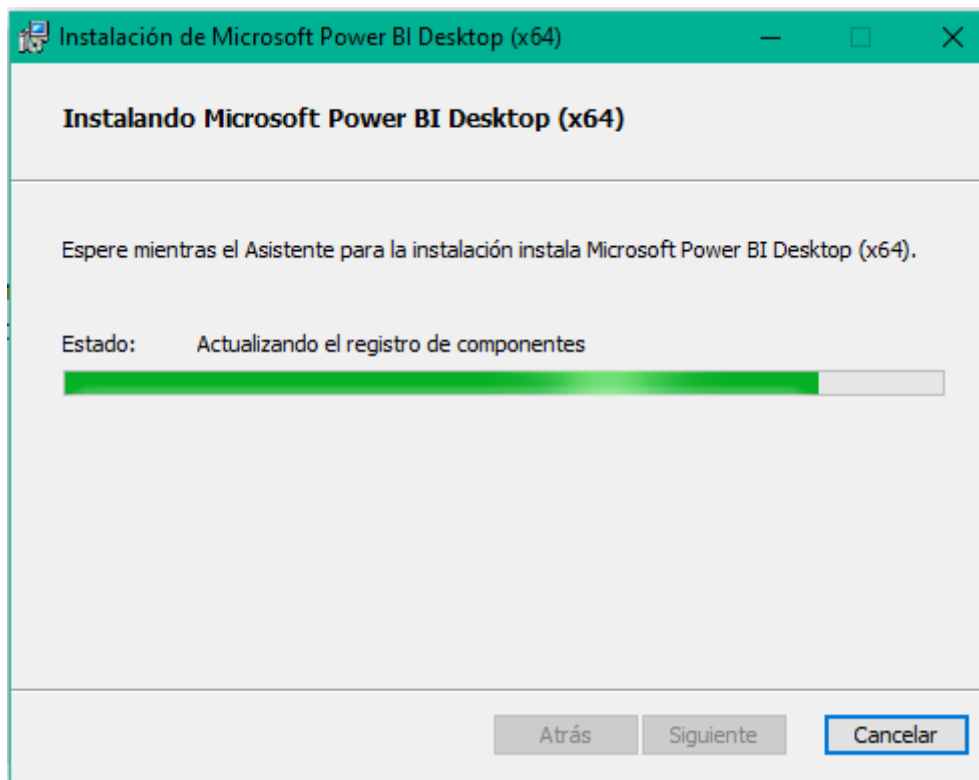
Elegir la ruta de instalación.



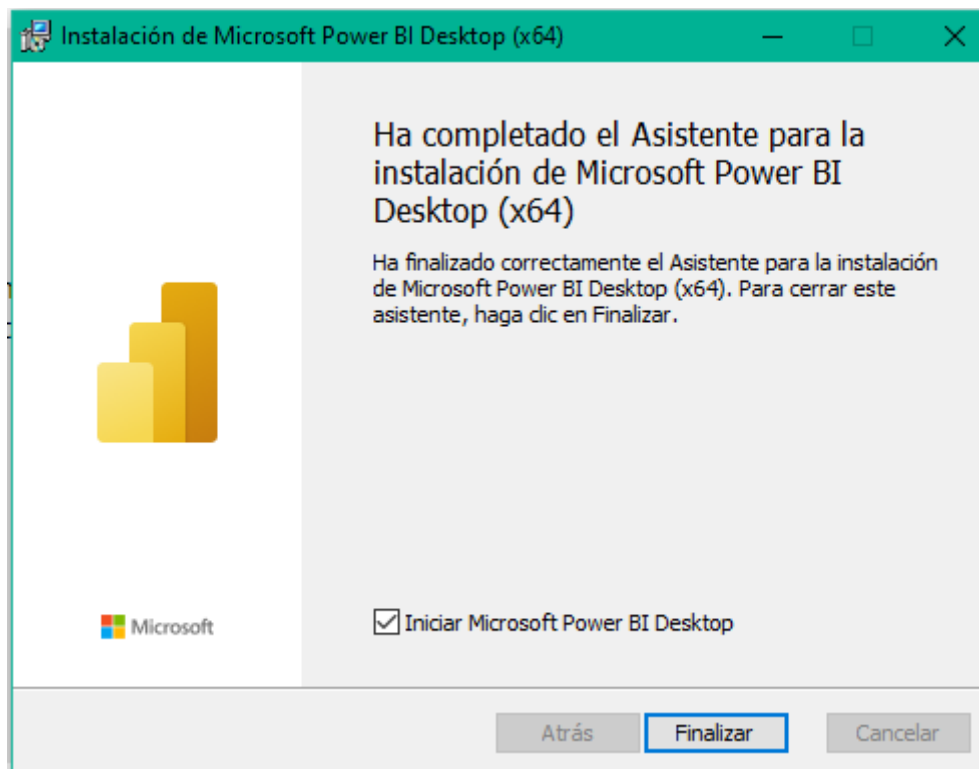
Dar clic en Instalar.



Se procede a instalar.



Se ha completado la instalación.



Como se puede observar, se instaló correctamente Power BI desktop.

