

Implementação do banco de dados do MySQL

O MySQL é um sistema de gerenciamento de banco de dados gratuito e muito usado em aplicações que precisam armazenar, organizar e acessar grandes volumes de informações. Ele funciona como uma espécie de "biblioteca digital" que permite criar e gerenciar bancos de dados, ajudando, por exemplo, sites e aplicativos a guardarem e recuperarem informações rapidamente.

Ele utiliza a linguagem SQL (Structured Query Language) para realizar tarefas como buscar, adicionar, atualizar ou excluir dados. É amplamente usado em projetos como websites dinâmicos, sistemas de e-commerce e aplicativos corporativos devido à sua eficiência, confiabilidade e compatibilidade com diversas plataformas.

Exemplo de uso:


Ao buscar por um produto no site, o MySQL usa a linguagem SQL para recuperar as informações do banco de dados e apresentá-las ao cliente. Além disso, ele ajuda a gerenciar o estoque, atualizar os dados dos pedidos e muito mais.

Para baixar siga o passo a passo logo abaixo :

Acesse o site <https://dev.mysql.com/downloads/>

Downloads da Comunidade MySQL

- Repositório MySQL Yum
- Repositório MySQL APT
- Repositório MySQL SUSE
- Servidor da Comunidade MySQL
- Cluster MySQL NDB
- Roteador MySQL
- Shell MySQL
- Operador MySQL
- Operador MySQL NDB
- Bancada de trabalho MySQL
- Instalador MySQL para Windows
- API C (libmysqlclient)
- Conector/C++
- Conector/J
- Conector/.NET
- Conector/Node.js
- Conector/ODBC
- Conector/Python
- Driver nativo MySQL para PHP
- Ferramenta de benchmark MySQL
- Tabelas de descrição de fuso horário
- Baixar Arquivos

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Clique na opção Download:

Selecione a versão:
8.0.41

Selecione o sistema operacional:
Microsoft Windows

Windows (x86, 32 bits), instalador MSI (mysql-installer-web-community-8.0.41.0.msi)	8.0.41	2,1 milhões	Download
Windows (x86, 32 bits), instalador MSI (mysql-installer-community-8.0.41.0.msi)	8.0.41	352,2 milhões	Download

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Aperte na opção “não obrigada, apenas inicie meu download.”

📦 Downloads da Comunidade MySQL

Faça login agora ou registre-se para obter uma conta gratuita.

Uma conta Oracle Web oferece as seguintes vantagens:

- Acesso rápido aos downloads de software MySQL
- Baixe White Papers e Apresentações Técnicas
- Postar mensagens nos fóruns de discussão do MySQL
- Relatar e rastrear bugs no sistema de bugs do MySQL

Login »

usando minha conta Oracle Web

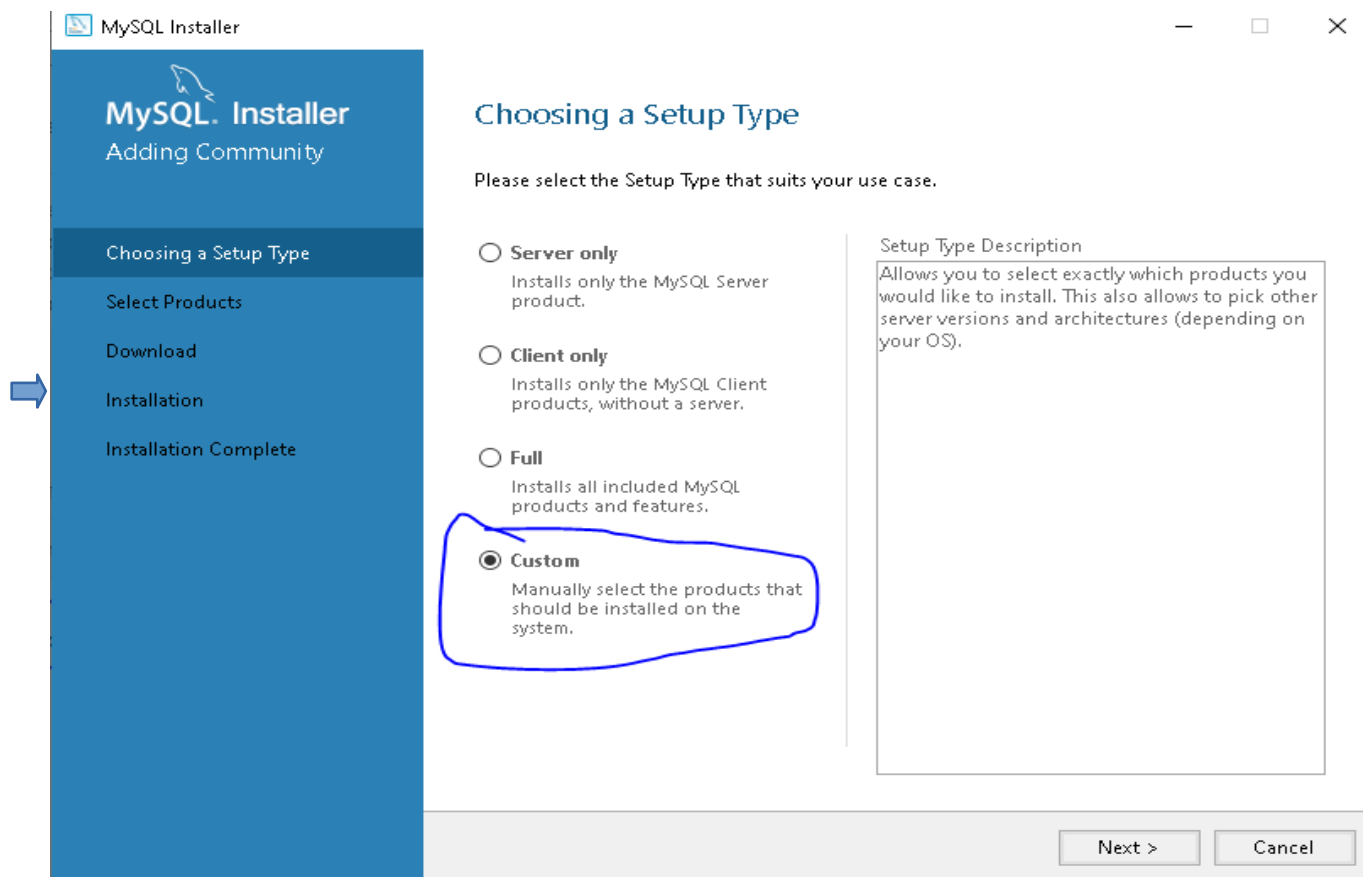
Inscriva-se »

para uma conta Oracle Web

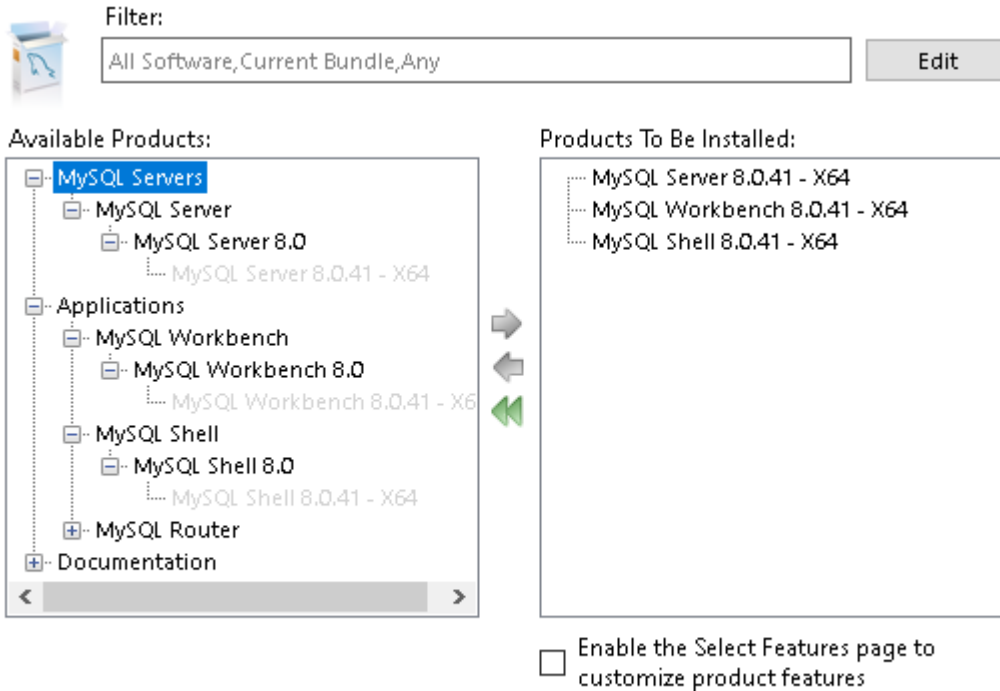
O MySQL.com está usando o Oracle SSO para autenticação. Se você já tem uma conta Oracle Web, clique no link Login. Caso contrário, você pode se inscrever para uma conta gratuita clicando no link Sign Up e seguindo as instruções.

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Selecione a opção Custom para maior controle dos componentes a serem instalados:

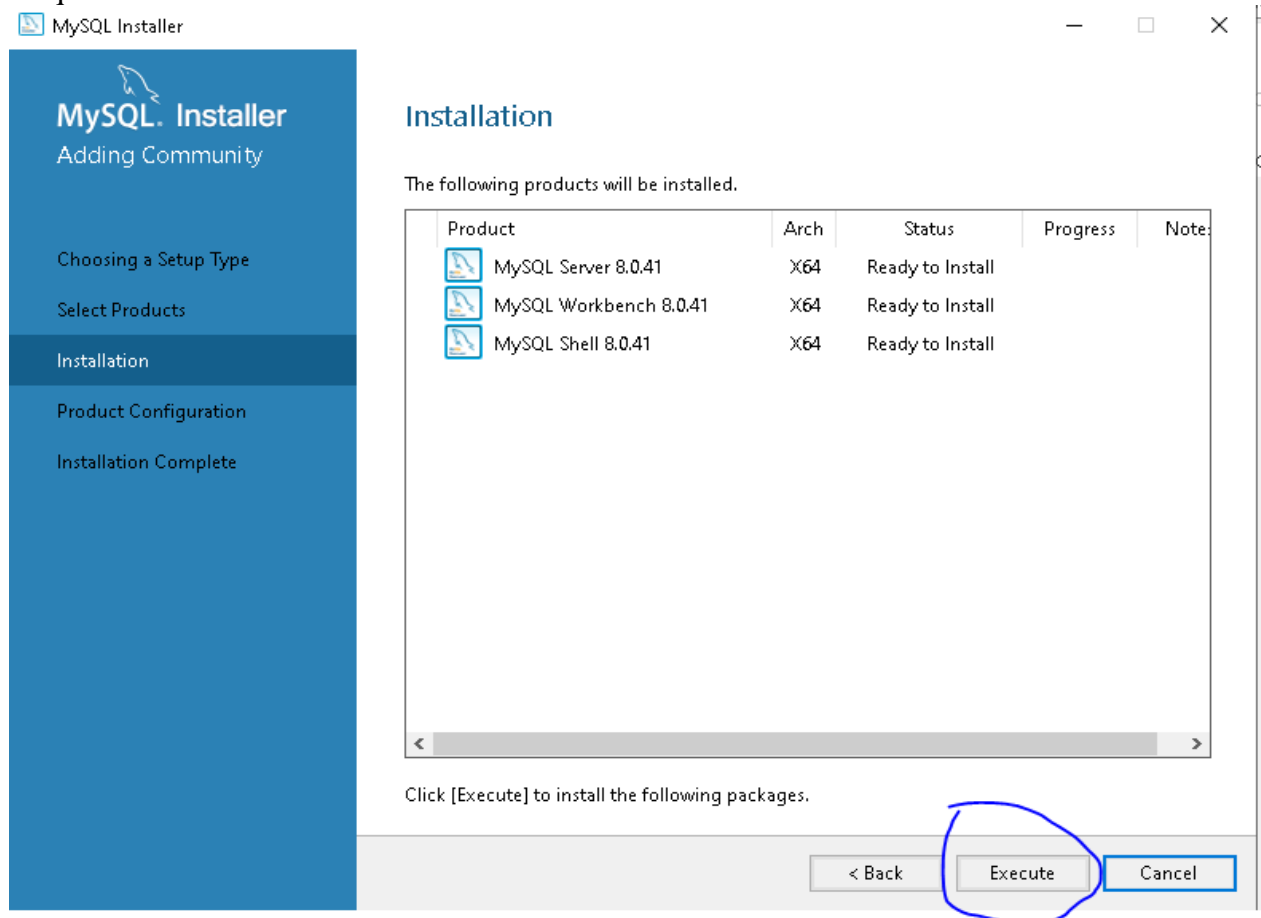


Selecione as opções que você precisar.



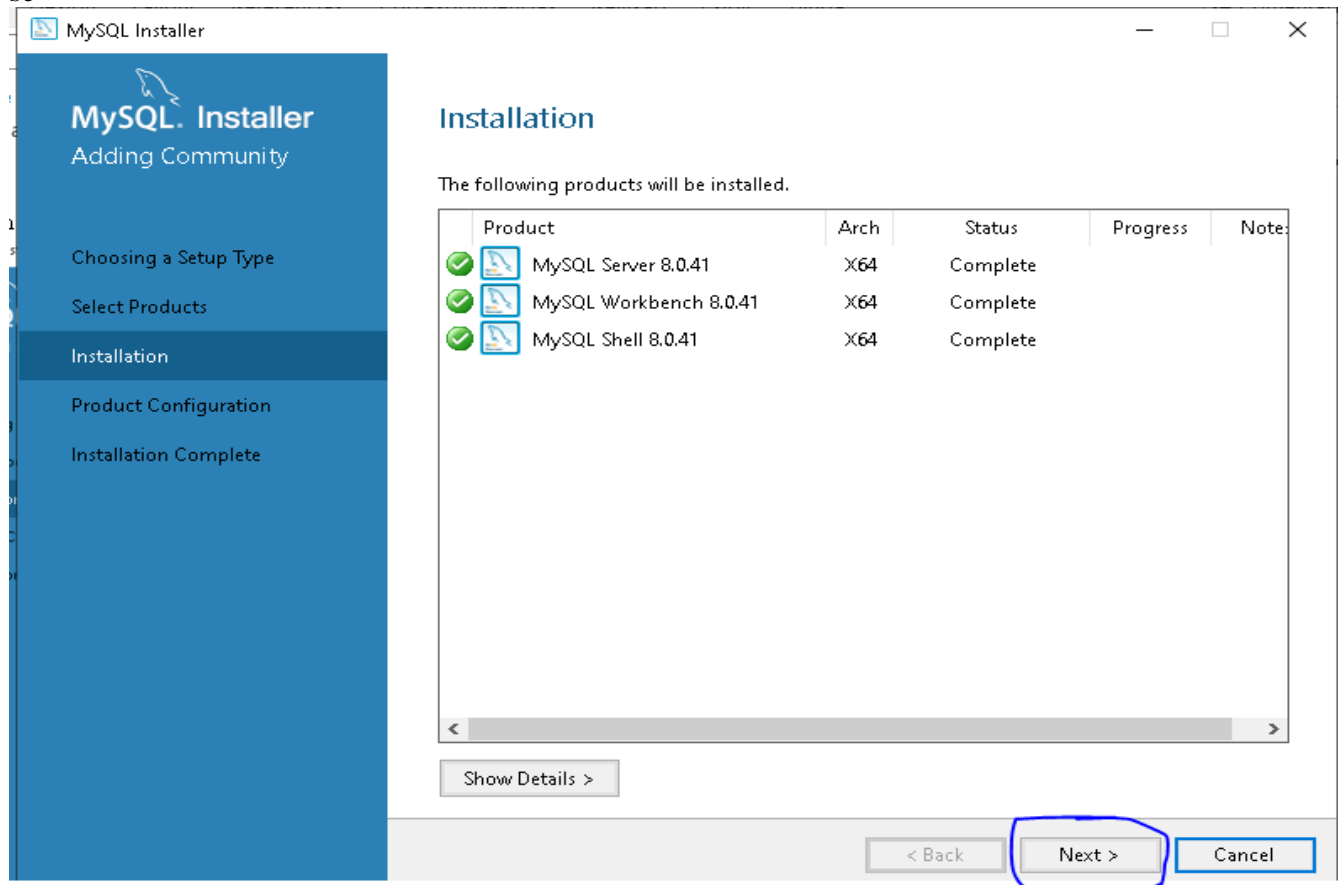
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Clique em Execute:

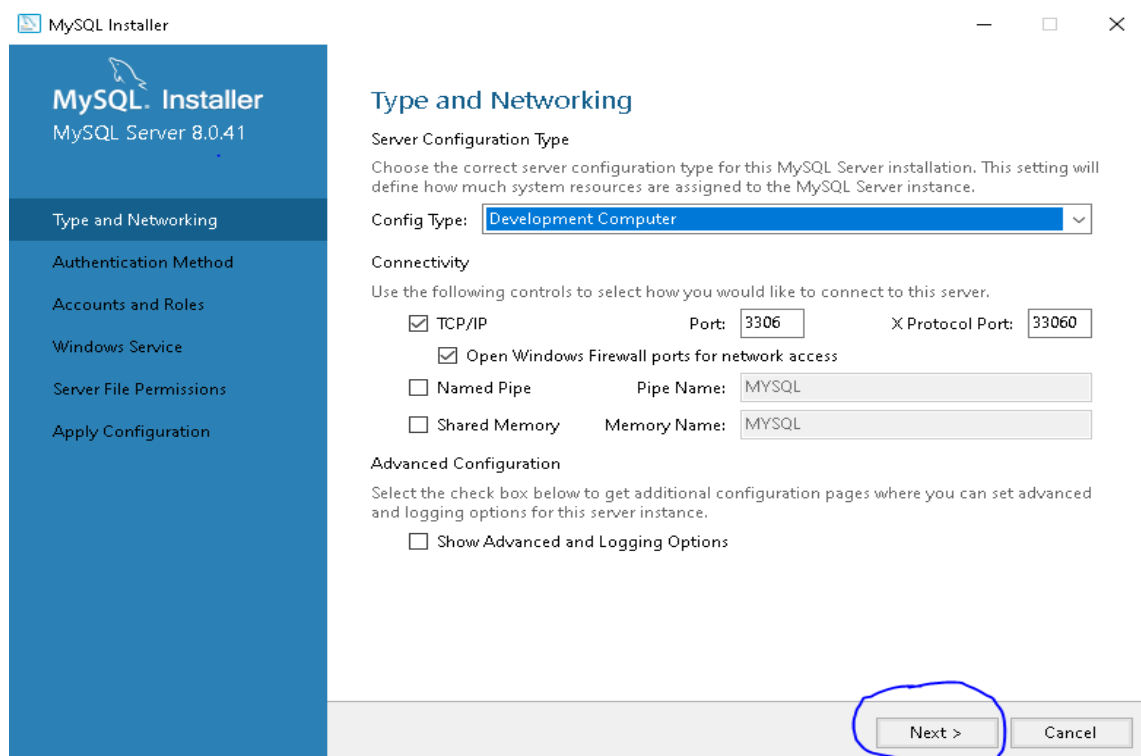


Após finalizar a instalação clique em next

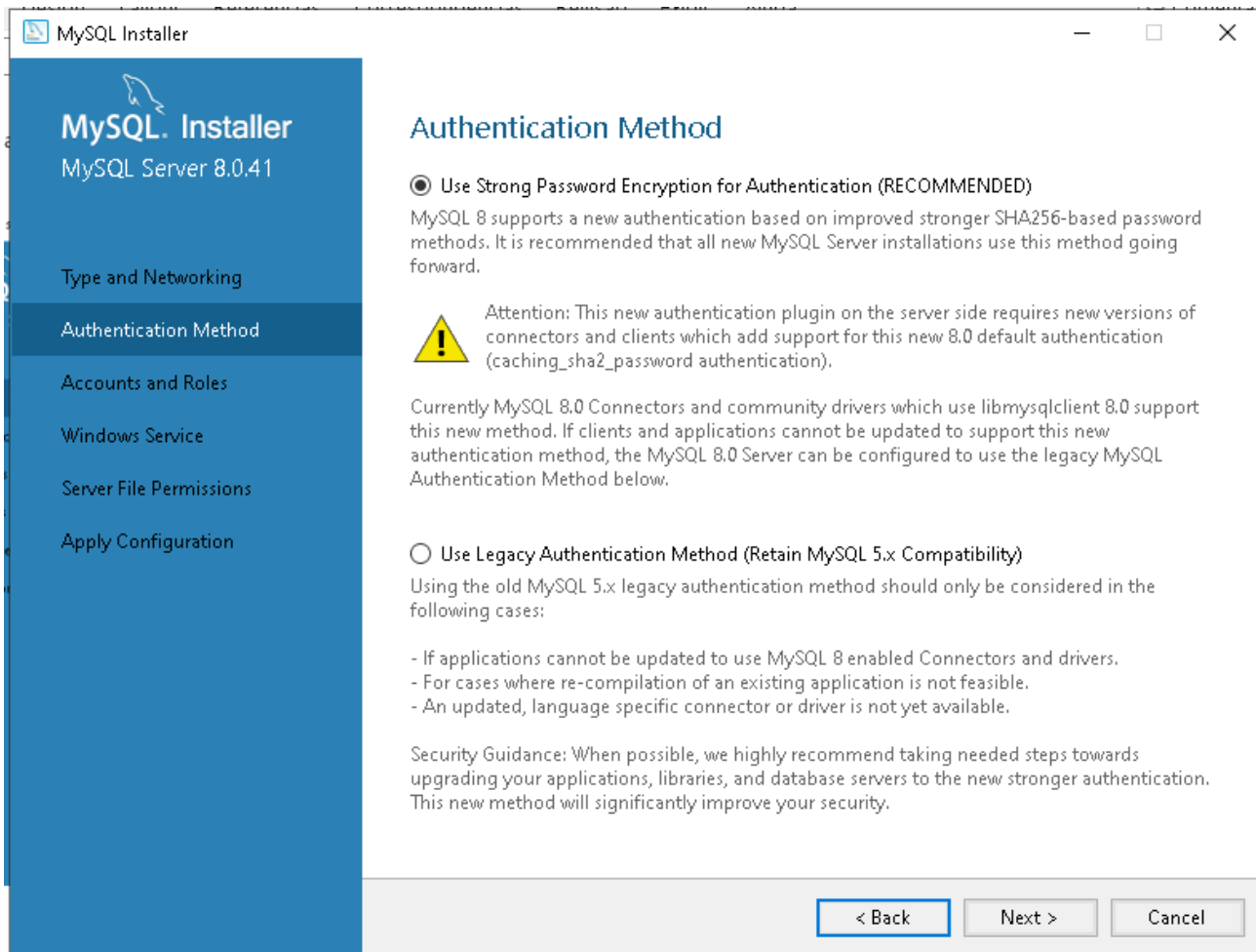
se



Selecione as opções, principalmente o tipo de configuração e pressione next. Escolhemos Developer Computer por se tratar de computador pessoal.



Selecione o método de autenticação com criptografia forte para senha.



The screenshot shows the 'Authentication Method' screen of the MySQL Installer. On the left is a blue sidebar with the MySQL logo and version 'MySQL Server 8.0.41'. Below the logo are navigation links: 'Type and Networking', 'Authentication Method' (highlighted), '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. Below it is a warning icon and text explaining that MySQL 8 supports a new authentication method based on improved stronger SHA256-based password methods. It also notes that currently MySQL 8.0 Connectors and community drivers which use libmysqlclient 8.0 support this new method. The second option, 'Use Legacy Authentication Method (Retain MySQL 5.x Compatibility)', is unselected. Below it is text explaining that using the old MySQL 5.x legacy authentication method should only be considered in specific cases: if applications cannot be updated, if re-compilation is not feasible, or if an updated connector/driver is not yet available. A 'Security Guidance' section at the bottom of the main area recommends taking steps towards upgrading applications, libraries, and database servers to the new stronger authentication. At the bottom right are three buttons: '< Back', 'Next >', and 'Cancel'.

MySQL Installer

MySQL Server 8.0.41

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)

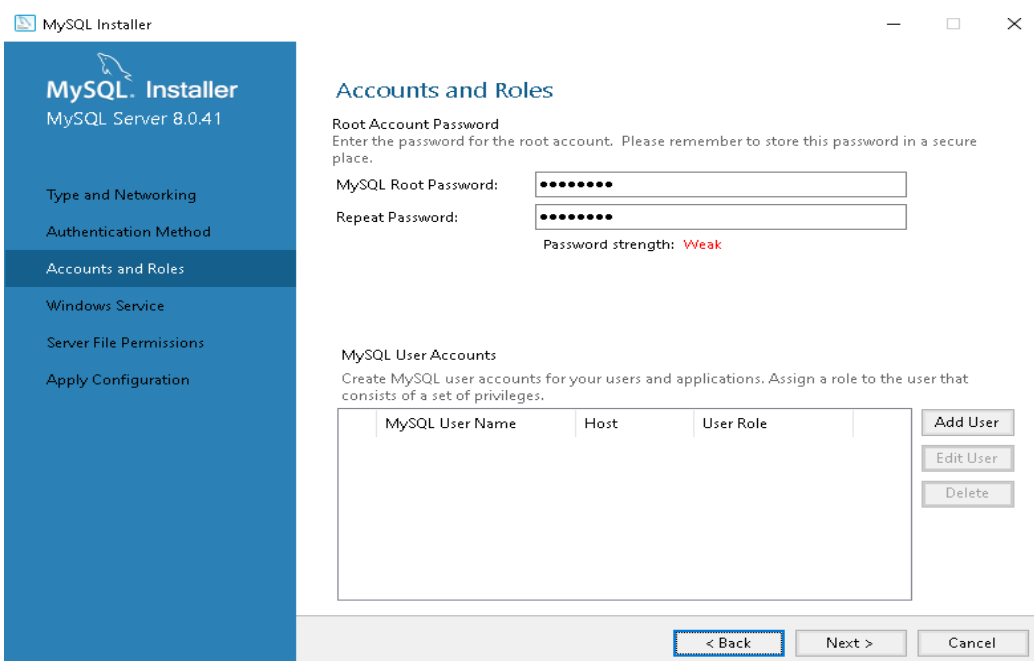
Using the old MySQL 5.x legacy authentication method should only be considered in the following cases:

- 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

Digite a senha na tela a seguir.



The screenshot shows the 'Accounts and Roles' screen of the MySQL Installer. The sidebar on the left is the same as in the previous screen, with 'Accounts and Roles' now highlighted. The main area is titled 'Accounts and Roles' and contains two sections. The first section, 'Root Account Password', asks the user to enter a password for the root account and provides two text boxes: 'MySQL Root Password:' and 'Repeat Password:'. Below these boxes is a 'Password strength' indicator showing 'Weak' in red. The second section, 'MySQL User Accounts', asks the user to create MySQL user accounts and assign a role. It features a table with columns 'MySQL User Name', 'Host', and 'User Role'. To the right of the table are three buttons: 'Add User', 'Edit User', and 'Delete'. At the bottom right are three buttons: '< Back', 'Next >', and 'Cancel'.

MySQL Installer

MySQL Server 8.0.41

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

Clique em add user para já criar um usuário para acesso ao ambiente.

MySQL Installer

MySQL Server 8.0.41

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

MySQL User Account

Please specify the user name, password, and database role.

User Name: dba

Host: <All Hosts (%)>

Role: DB Admin

Authentication: MySQL

MySQL user credentials

Password:

Confirm Password:

Password strength: Weak

OK

Cancel

MySQL User Name

Host

User Role

dba

%

DB Admin

< Back

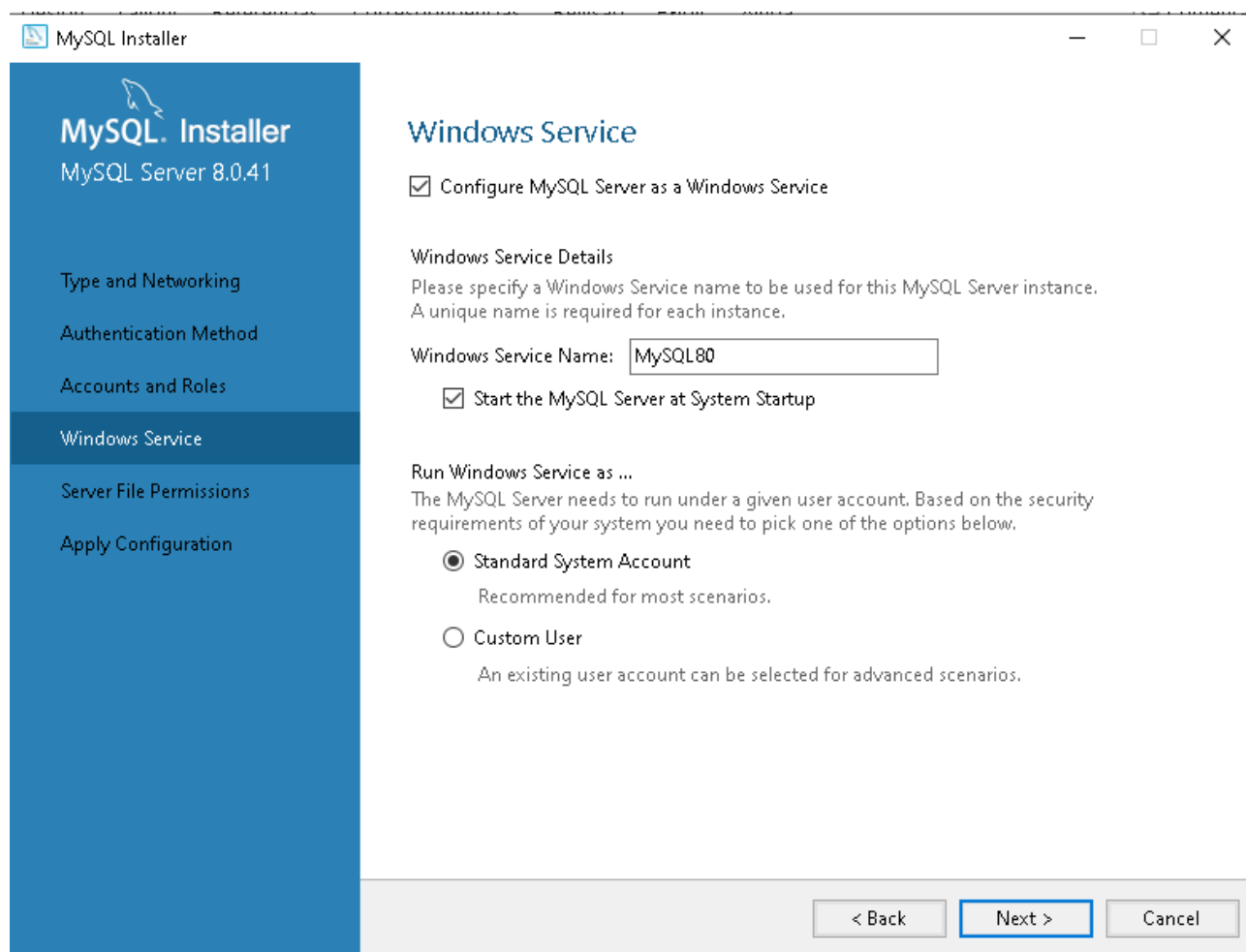
Next >

MySQL User Name	Host	User Role
dba	%	DB Admin

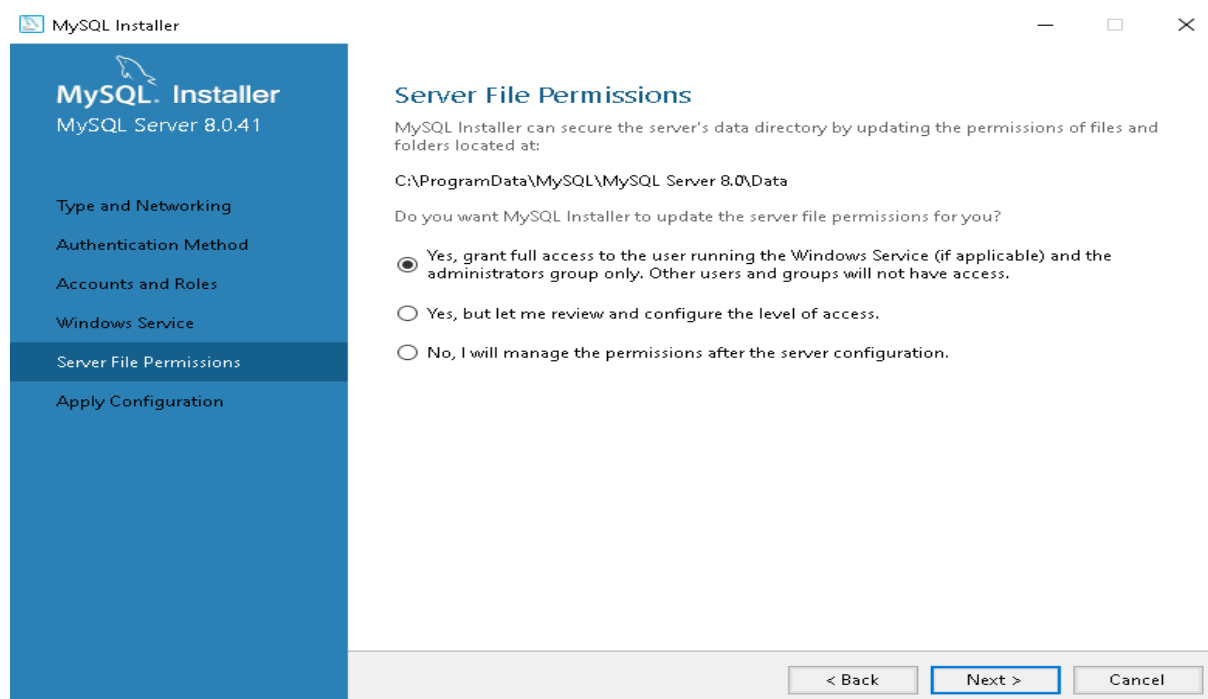
< Back

Next >

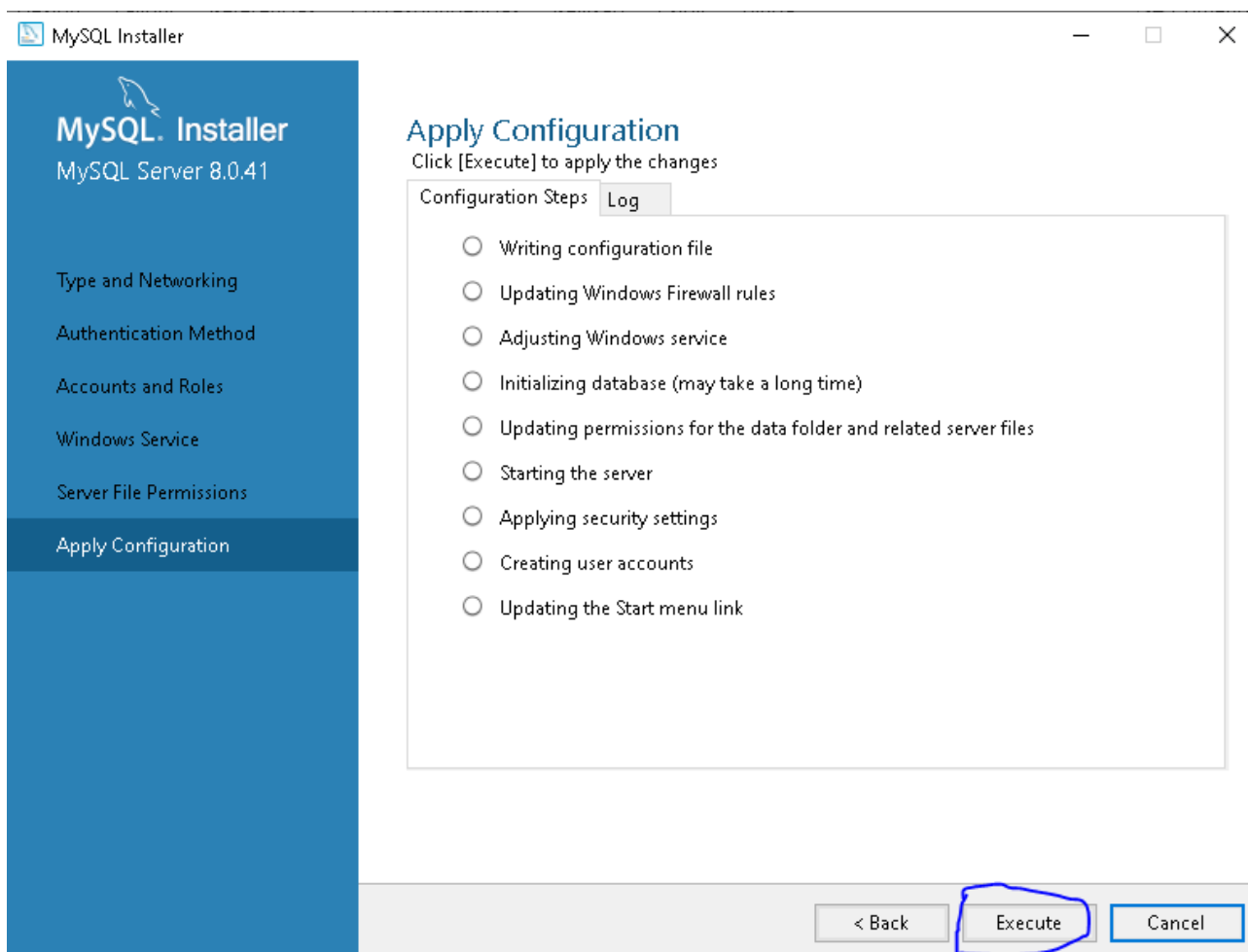
Na tela a seguir aceite as opções para ativar o MySQL como serviço do Windows.



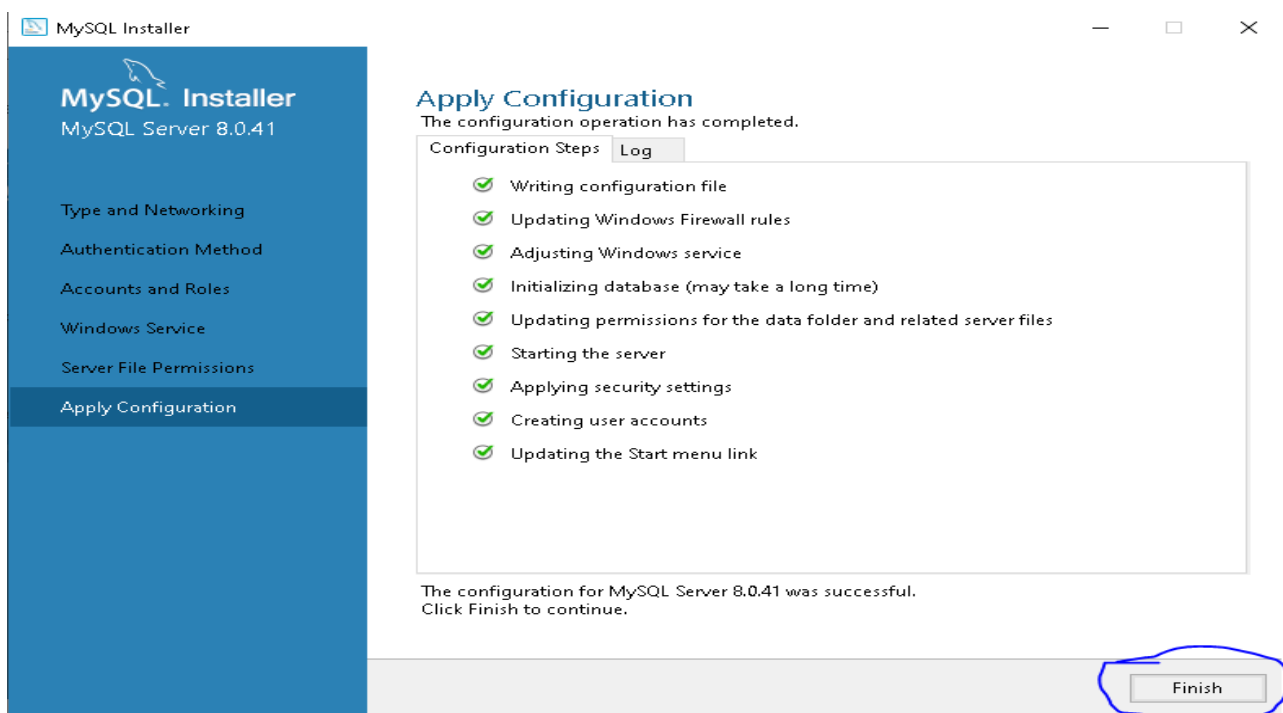
Mais uma vez aceite as opções padrão e clique em next.



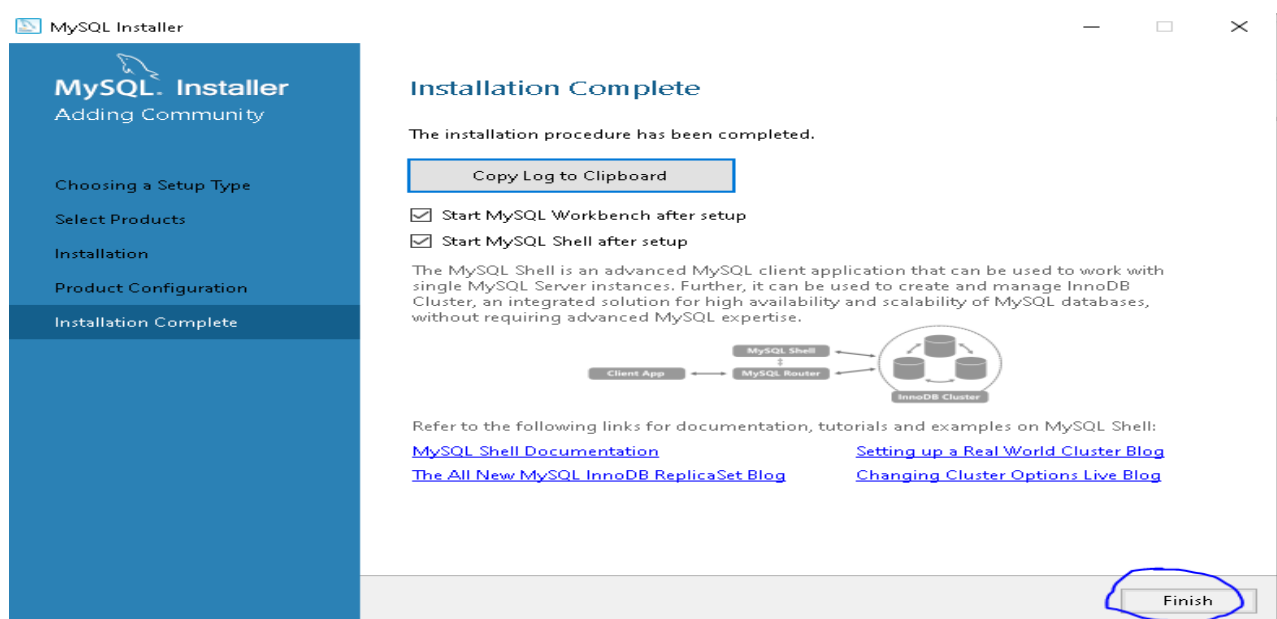
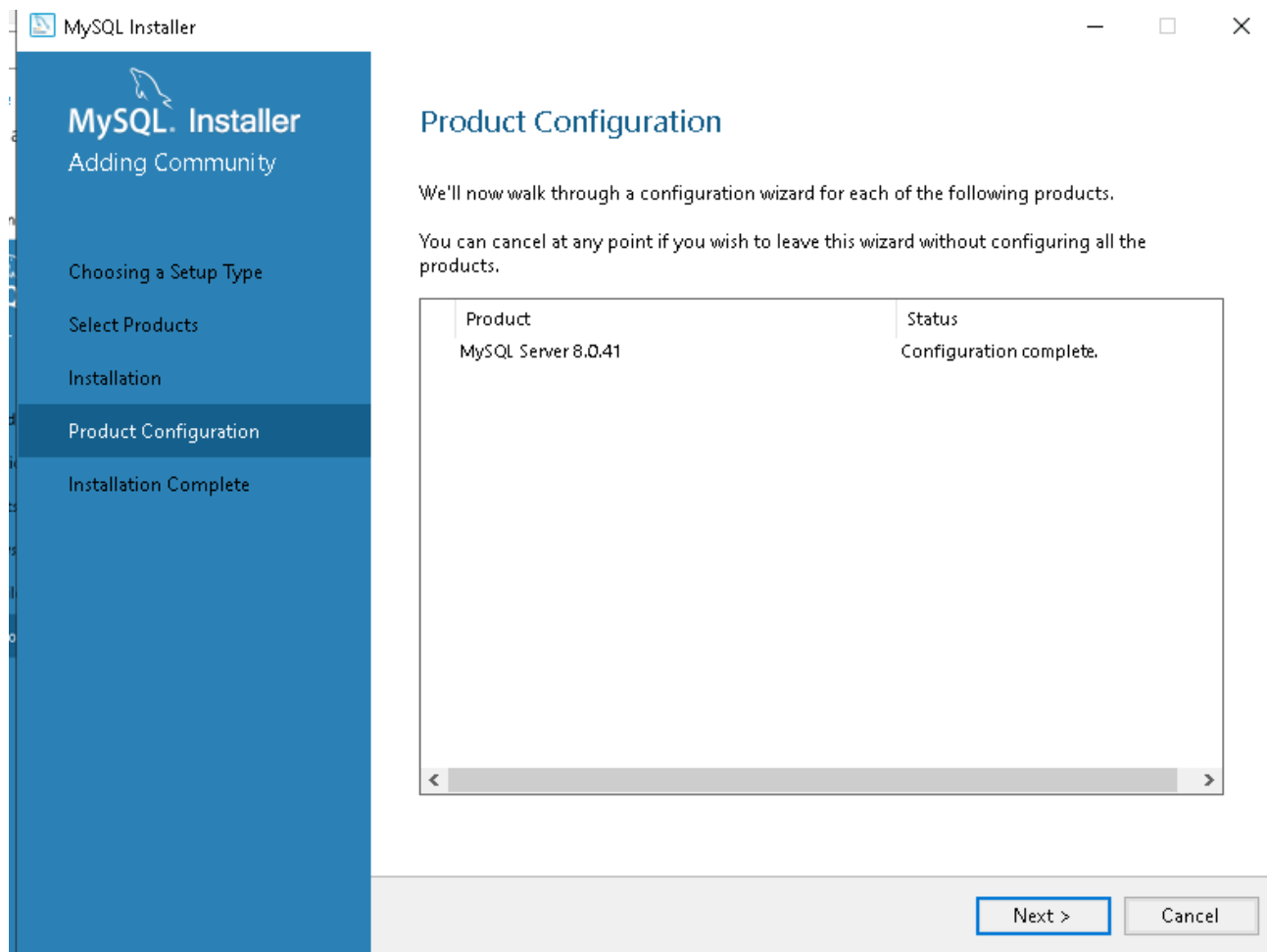
Na tela a seguir clique em execute.



Instalação concluída clique em finish.



Após clicar em finish será direcionado para a tela de assistente de configuração do produto, clique em next.



Após clicar em finish será direcionado para a tela inicial do Workbench.

