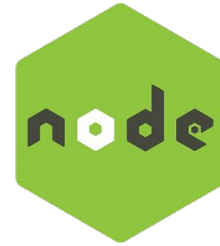


# NodeJS



Prof. Celso Henrique Masotti

# Você verá nesta aula:

**Objetivo:** Instalando e configurando o MySQL.

[Download do MySQL](#)

[Instalando o MySQL](#)

[Configurando o MySQL](#)

# Download MySQL

É preciso acessar o website oficial do SGBD MySQL para fazer o download com segurança.

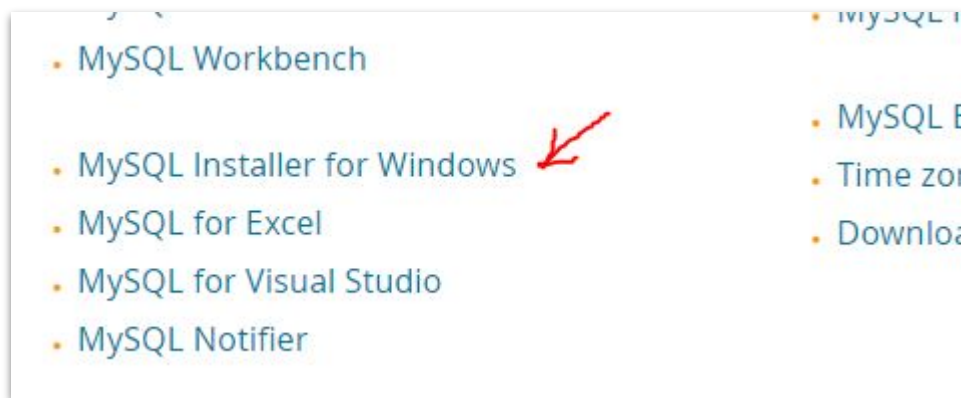
<https://www.mysql.com/>





# Download MySQL

Muitos programas ficarão disponíveis. Como nosso foco é MySQL para o sistema operacional Windows, basta localizar e clicar na opção certa.



# Download MySQL

## MySQL Installer 8.0.20

Select Operating System:

Microsoft Windows ▼

Looking for previous GA versions?

<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-web-community-8.0.20.0.msi)	8.0.20	24.4M	<a href="#">Download</a>
<b>Windows (x86, 32-bit), MSI Installer</b> (mysql-installer-community-8.0.20.0.msi)	8.0.20	420.6M	<a href="#">Download</a>

Serão exibidos dois links para escolha, cada um com tamanho em mega bytes diferentes. O menor Mbytes é apenas o gerenciador de instalação para o Windows e o segundo, maior em Mbytes, é o SGBD com o instalador.

# Download MySQL

Independente de qual clicar, será solicitado seu login e senha de usuário. Caso não tenha, pode-se criar uma conta ou clicar em “No thanks, (...)” um pouco abaixo.

**Login »**  
using my Oracle Web account

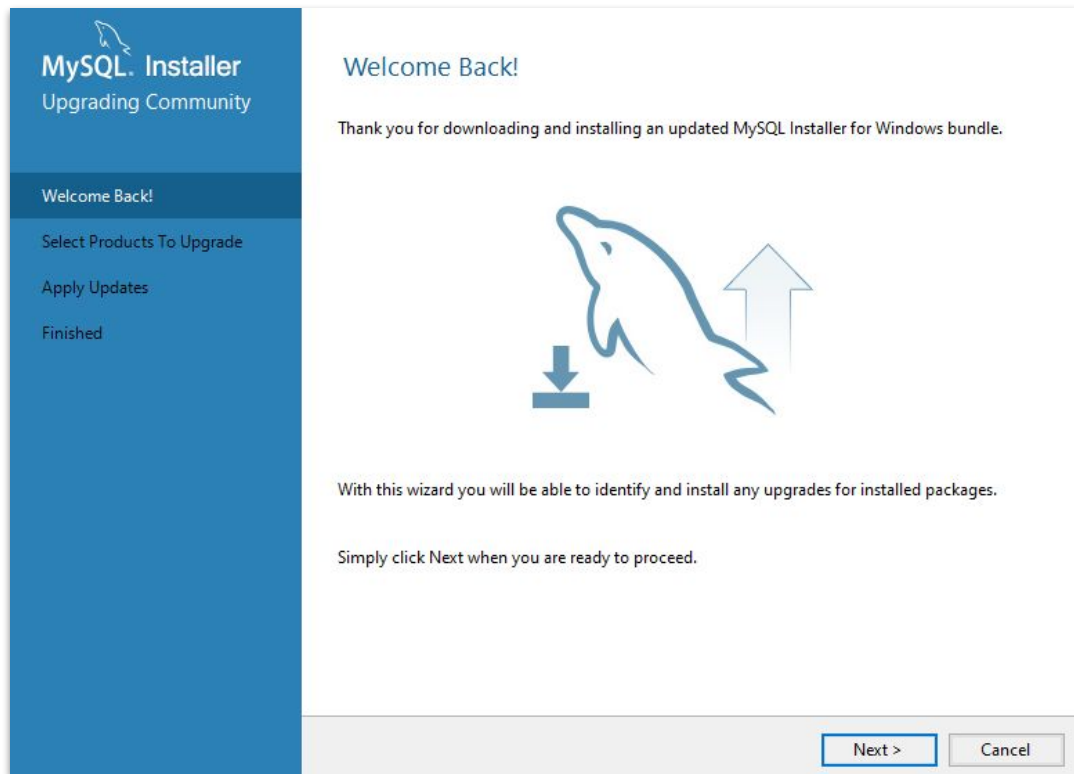
**Sign Up »**  
for an Oracle Web account

MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can signup for a free account by clicking the Sign Up link and following the instructions.

**No thanks, just start my download.**

# Download MySQL

Depois de logado, o sistema iniciará o download. Assim que finalizar, dê início à instalação.

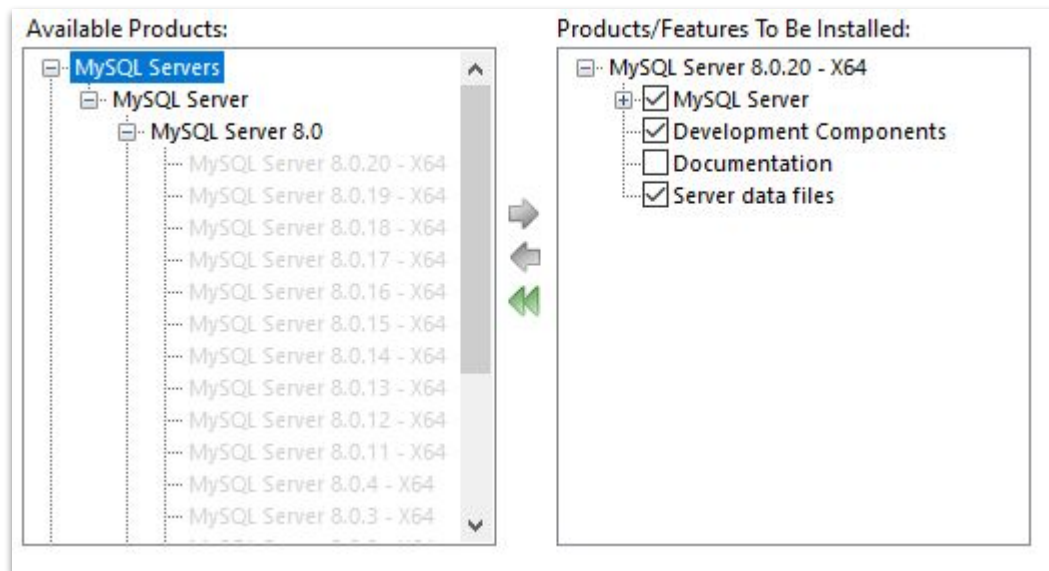




# Instalando MySQL

Expanda o produto MySQL Servers até visualizar a versão desejada. Selecione-a e clique na seta apontada para direita, adicionando-a na caixa.

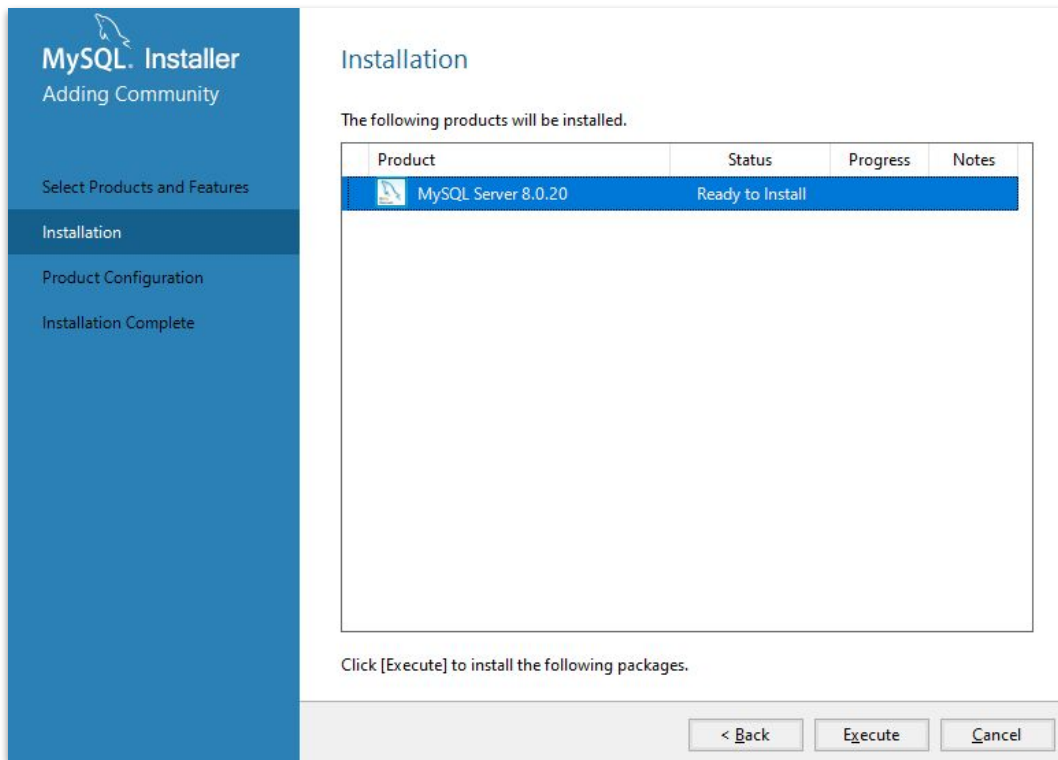
Clique em “next” para prosseguir.



# Instalando MySQL

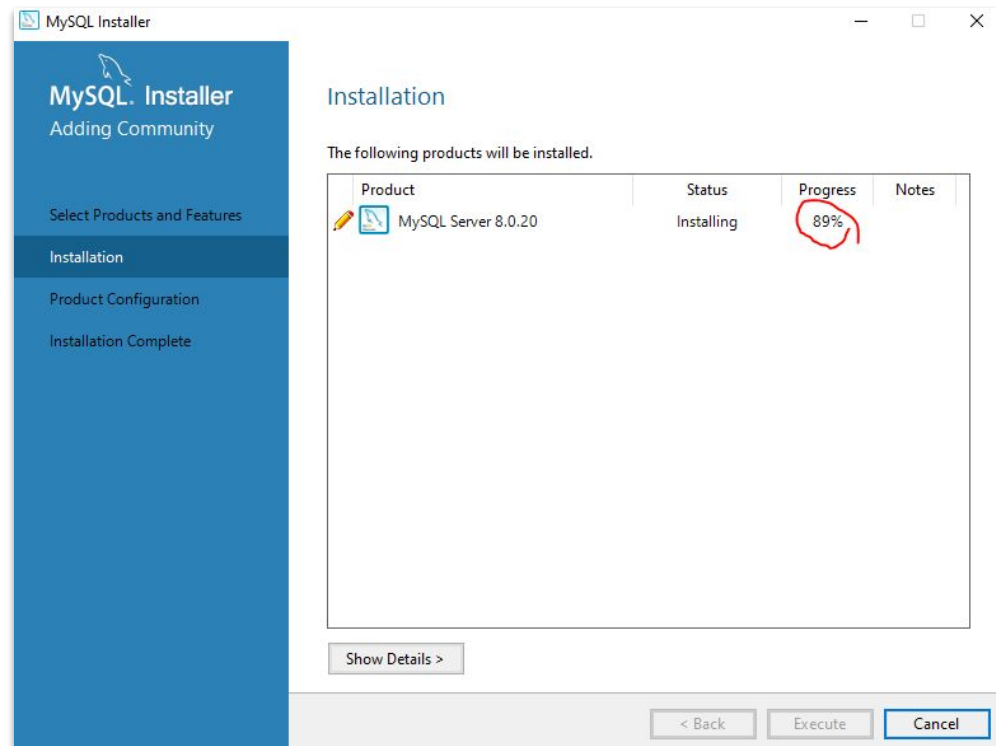
Visualize o produto e  
versão escolhido.

“Execute”



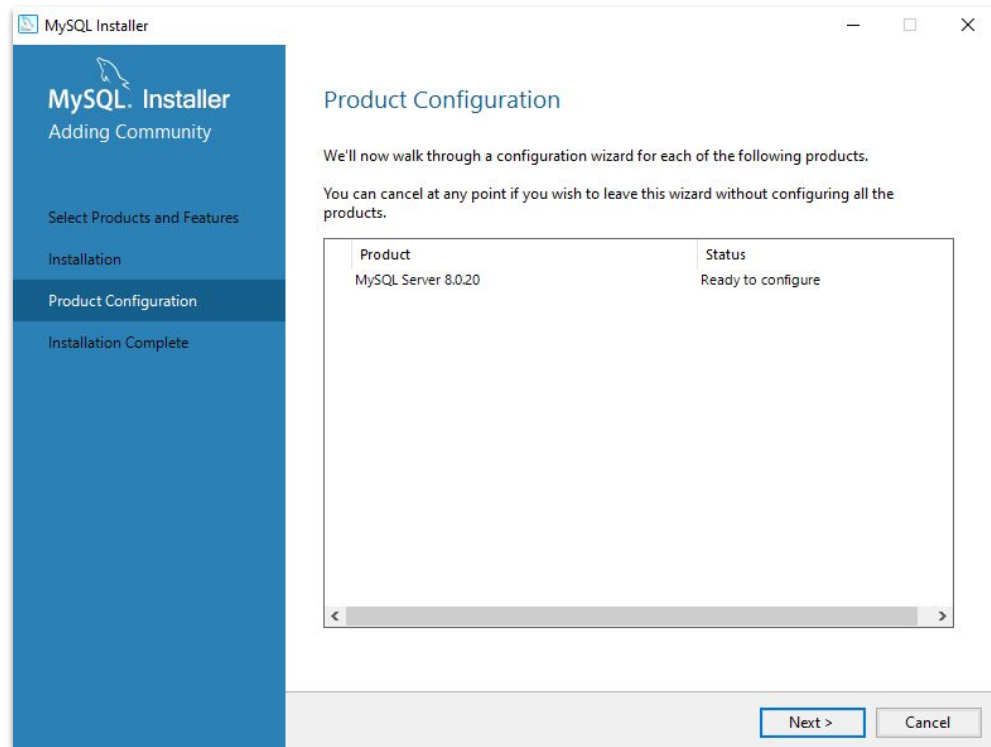
# Instalando MySQL

A instalação se iniciará exibindo a porcentagem de progresso.



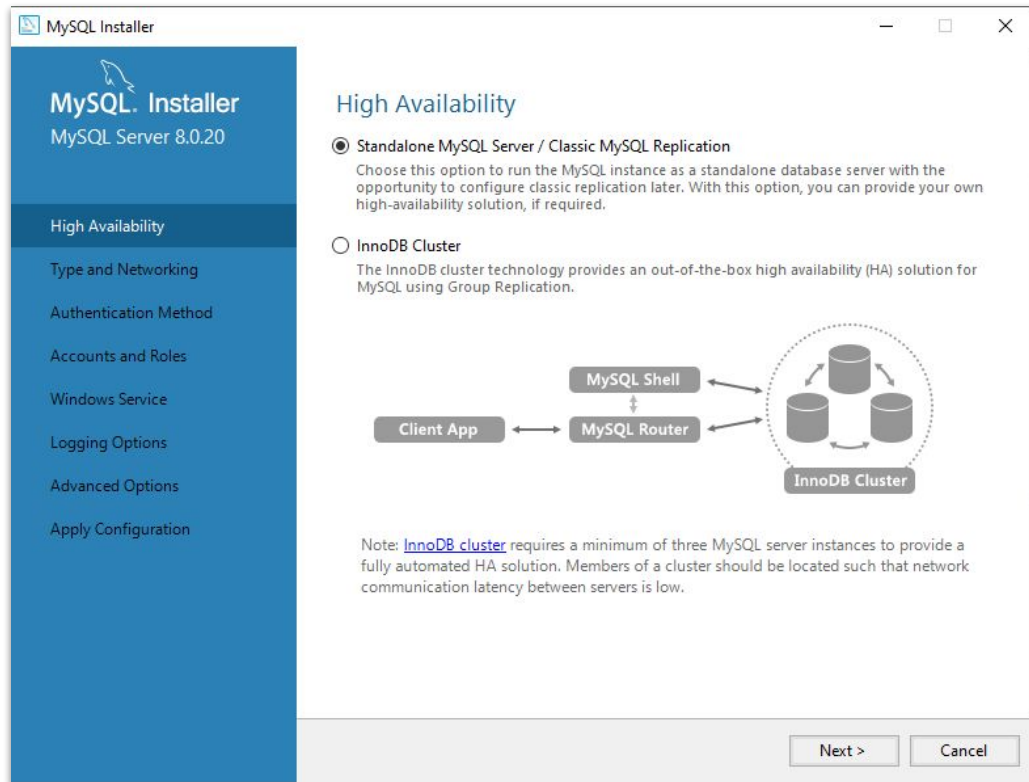
# Configurando o MySQL

Aqui começa a  
configuração do SGBD  
MySQL.



# Configurando o MySQL

Escolha a opção MySQL Server (Classic) e prossiga.



# Configurando o MySQL

Em “Type and Networking” existem três opções:

- **Development Computer** - para desenvolvedores.
- **Server Computer** - para máquinas de hospedagem web.
- **Dedicated Computer** - para máquinas que irão rodar exclusivamente o MySQL.

Escolha a primeira opção.

Veja a porta de acesso ao SGBD:  
3306.

Development Computer

**Development Computer**  
This is a development computer, and many other applications will be installed on it. A minimal amount of memory will be used by MySQL.

**Server Computer**  
Several server applications will be running on this computer. Choose this option for web or application servers. MySQL will have medium memory usage.

**Dedicated Computer**  
This computer is dedicated to running the MySQL database server. No other servers, such as web servers, will be run. MySQL will make use of all available memory.

Config Type: **Development Computer**

**Connectivity**  
Use the following controls to select how you would like to connect to this server.

☒ TCP/IP Port: 3306 X Protocol Port: 33060

☒ Open Windows Firewall ports for network access

☐ Named Pipe Pipe Name: MYSQL

☐ Shared Memory Memory Name: MYSQL

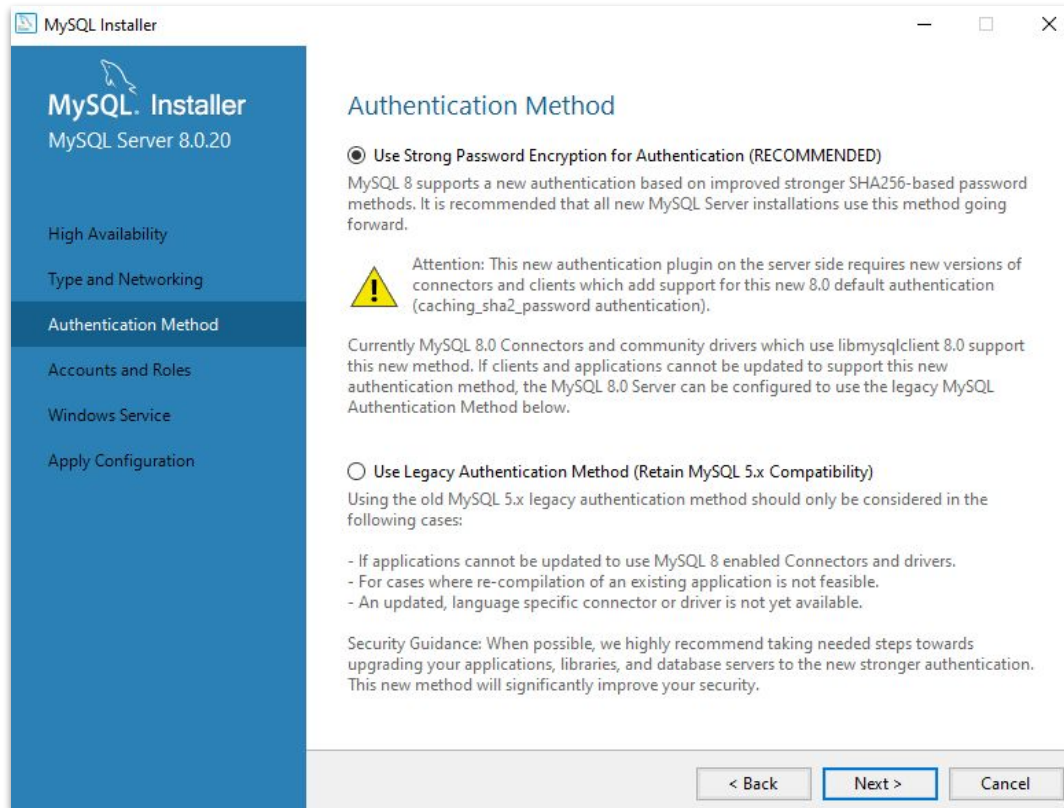
**Advanced Configuration**  
Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.

☐ Show Advanced and Logging Options

# Configurando o MySQL

Escolha o método de autenticação para acesso ao Banco de Dados.

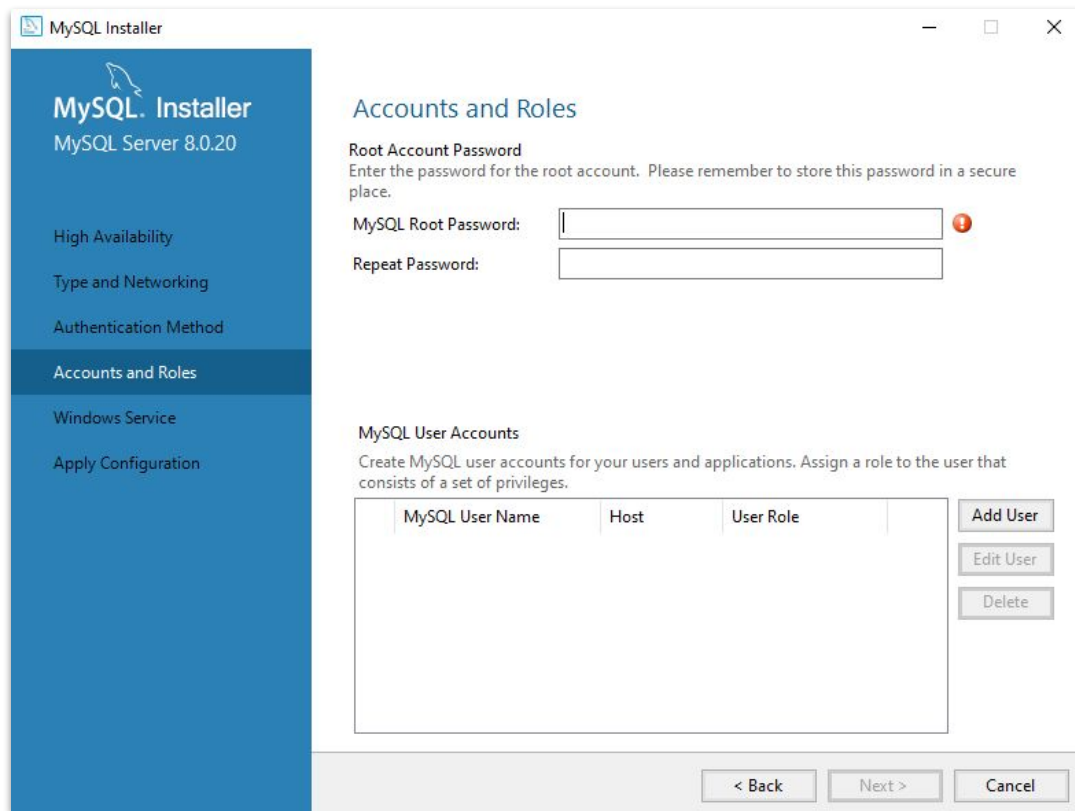
Deixemos o padrão “Use Strong Password for Authentication”.



# Configurando o MySQL

Insira a senha de acesso duas vezes.

Caso queira inserir um Usuário, também é possível por esta página.



The screenshot shows the 'MySQL Installer' window for 'MySQL Server 8.0.20'. The left sidebar lists the installation steps: 'High Availability', 'Type and Networking', 'Authentication Method', 'Accounts and Roles' (which is selected and highlighted), 'Windows Service', and 'Apply Configuration'.

The main area is titled 'Accounts and Roles' and contains two sections:

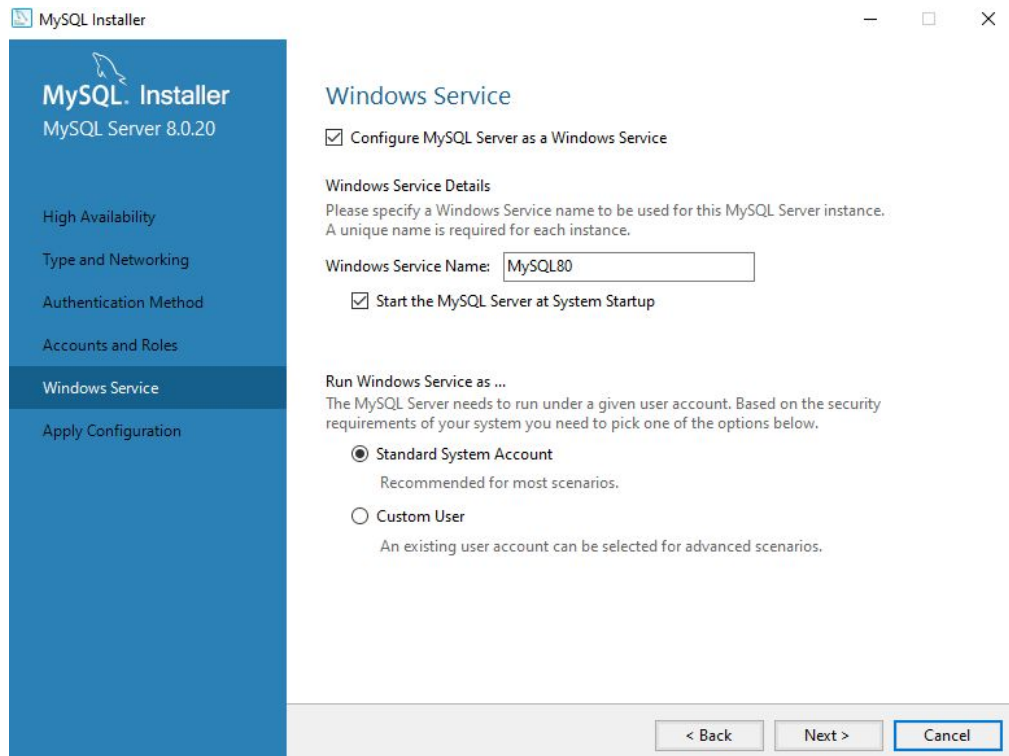
- Root Account Password:** A section with the instruction 'Enter the password for the root account. Please remember to store this password in a secure place.' It includes two input fields: 'MySQL Root Password:' and 'Repeat Password:'. A red warning icon is present next to the first field.
- MySQL User Accounts:** A section with the instruction 'Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.' It features a table with three 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 of the window, there are three buttons: '< Back', 'Next >', and 'Cancel'.



# Configurando o MySQL

Nesta página ele informa que o MySQL será inicializado juntamente com o Windows. Deixe assim por enquanto.



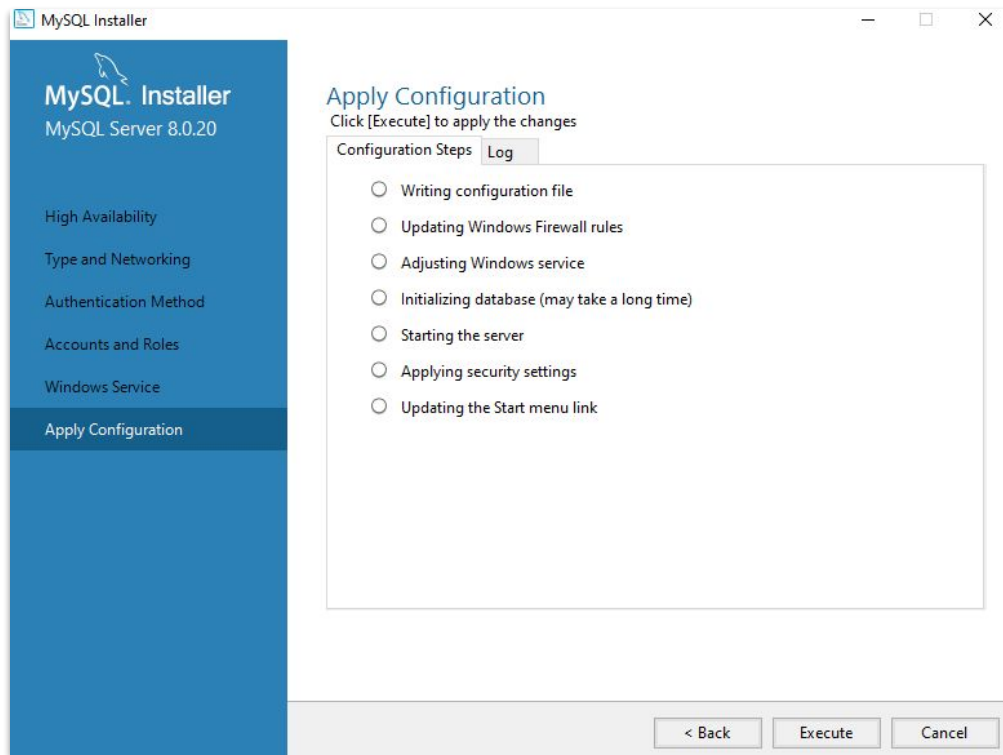
The screenshot shows the 'MySQL Installer' window for 'MySQL Server 8.0.20'. The left sidebar contains a list of configuration steps: 'High Availability', 'Type and Networking', 'Authentication Method', 'Accounts and Roles', 'Windows Service' (which is currently selected and highlighted in dark blue), and 'Apply Configuration'. The main area is titled 'Windows Service' and contains the following options:

- ☒ **Configure MySQL Server as a Windows Service**
- Windows Service Details**  
Please specify a Windows Service name to be used for this MySQL Server instance. A unique name is required for each instance.  
Windows Service Name:
- ☒ **Start the MySQL Server at System Startup**
- Run Windows Service as ...**  
The MySQL Server needs to run under a given user account. Based on the security requirements of your system you need to pick one of the options below.
  - ☒ **Standard System Account**  
Recommended for most scenarios.
  - ☐ **Custom User**  
An existing user account can be selected for advanced scenarios.

At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

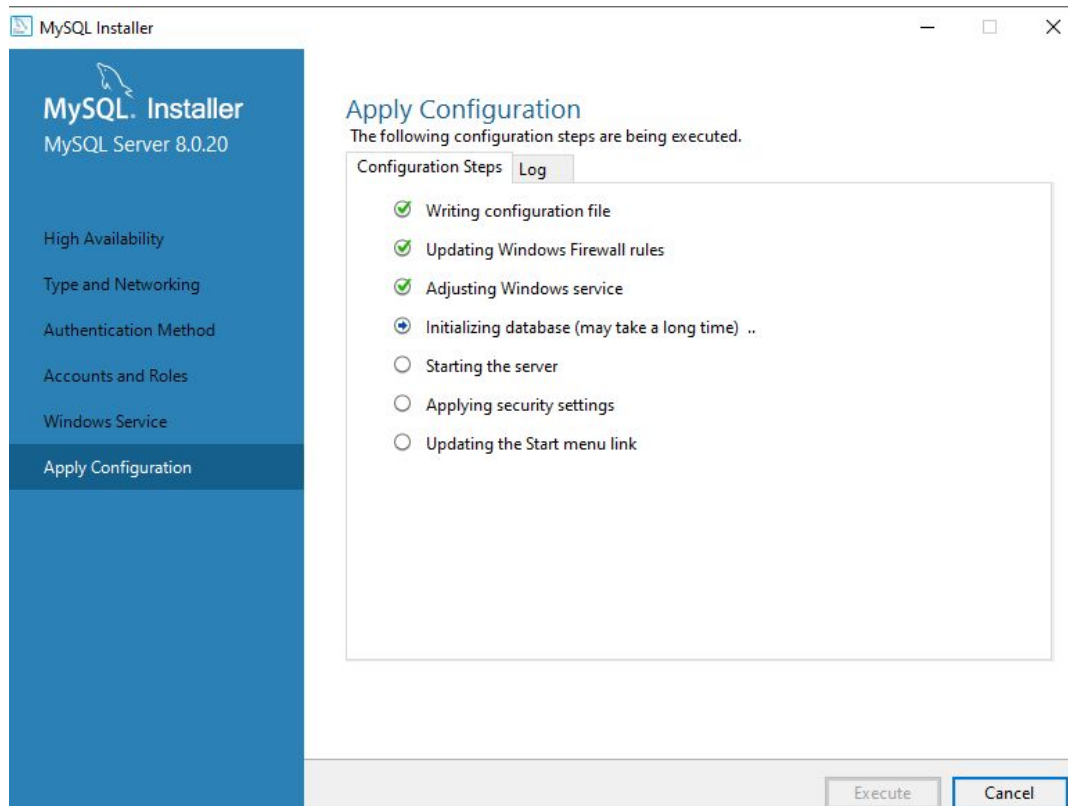
# Configurando o MySQL

Esta é a lista de instalação.



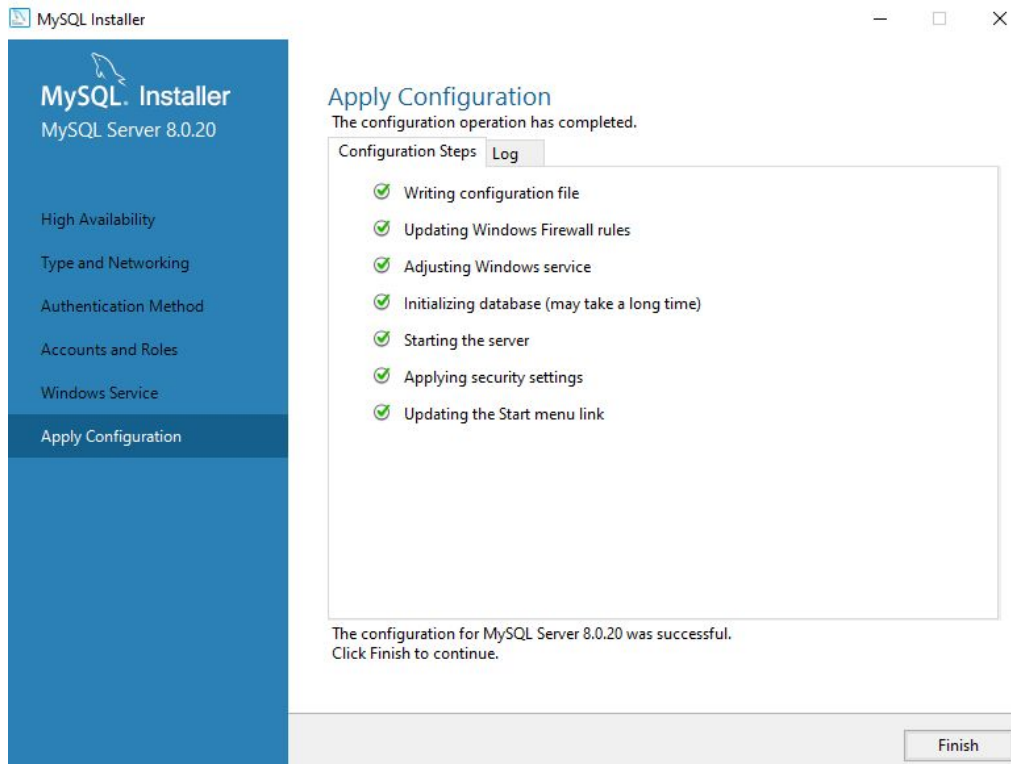
# Configurando o MySQL

Visão da lista sendo instalada.



# Configurando o MySQL

Quando terminar, clique em “finish”.



Obrigado

Prof. Celso Henrique Masotti