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## Aplicações de Linguagem de Programação Orientada a Objetos

# Instalação do MySQL Server e MySQL Workbench

**Prof. Ms Gustavo Molina**
msc.gustavo.unip@gmail.com

- Primeiramente iremos instalar o MySQL Server. Os passos abaixo devem ser seguidos:
  - Acessar o site: https://www.mysql.com/;
  - Clicar na aba **Downloads:**
  - Descer a página e clicar em **MySQL Community (GPL) Downloads:**
  - Selecionar **MySQL Installer for Windows.**
  - Selecionar **Windows (x86, 32-bit), MSI Installer de 24.5 mb.**

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## MySQL Cluster CGE

MySQL Cluster is a real-time open source transactional database designed for fast, always-on access to data under high throughput conditions.

- MySQL Cluster
- MySQL Cluster Manager
- Plus, everything in MySQL Enterprise Edition

Learn More »
Customer Download » (Select Patches & Updates Tab, Product Search)
Trial Download »

MySQL Community (GPL) Downloads »

# MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository

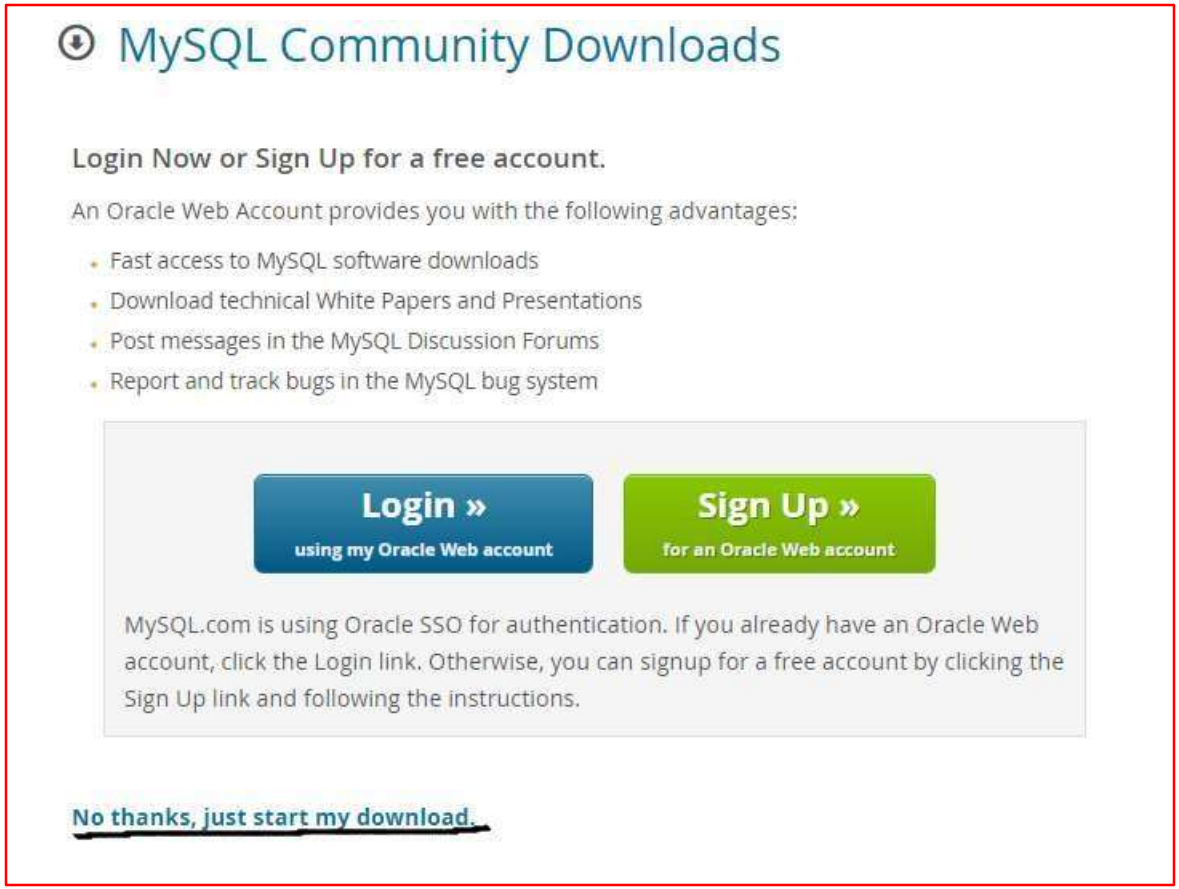
- MySQL Community Server
- MySQL Cluster
- MySQL Router
- MySQL Shell
- MySQL Workbench

- MySQL Installer for Windows
- MySQL for Excel
- MySQL for Visual Studio
- MySQL Notifier

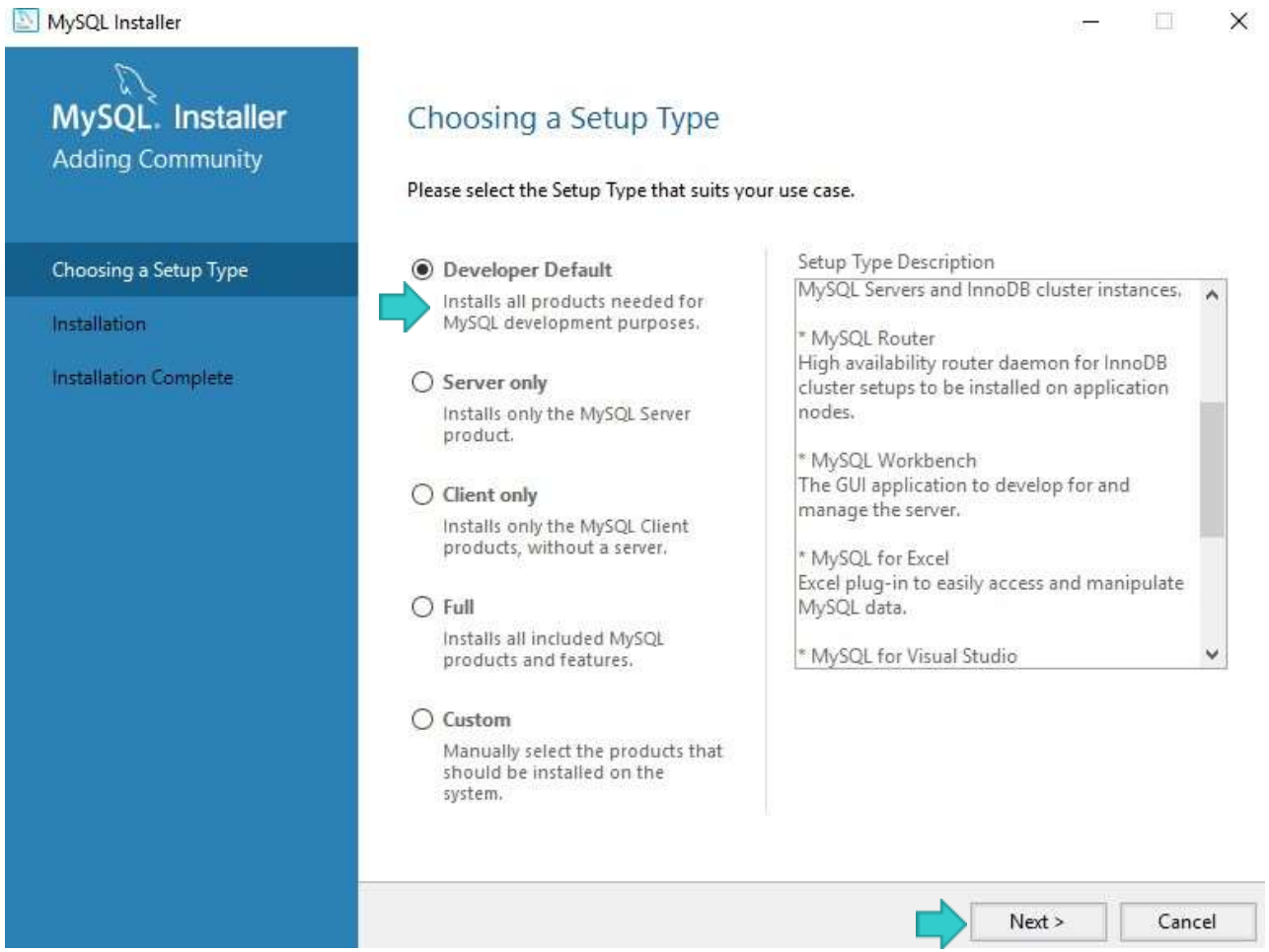
- C API (libmysqlclient)
- Connector/C++
- Connector/J
- Connector/NET
- Connector/Node.js
- Connector/ODBC
- Connector/Python
- MySQL Native Driver for PHP

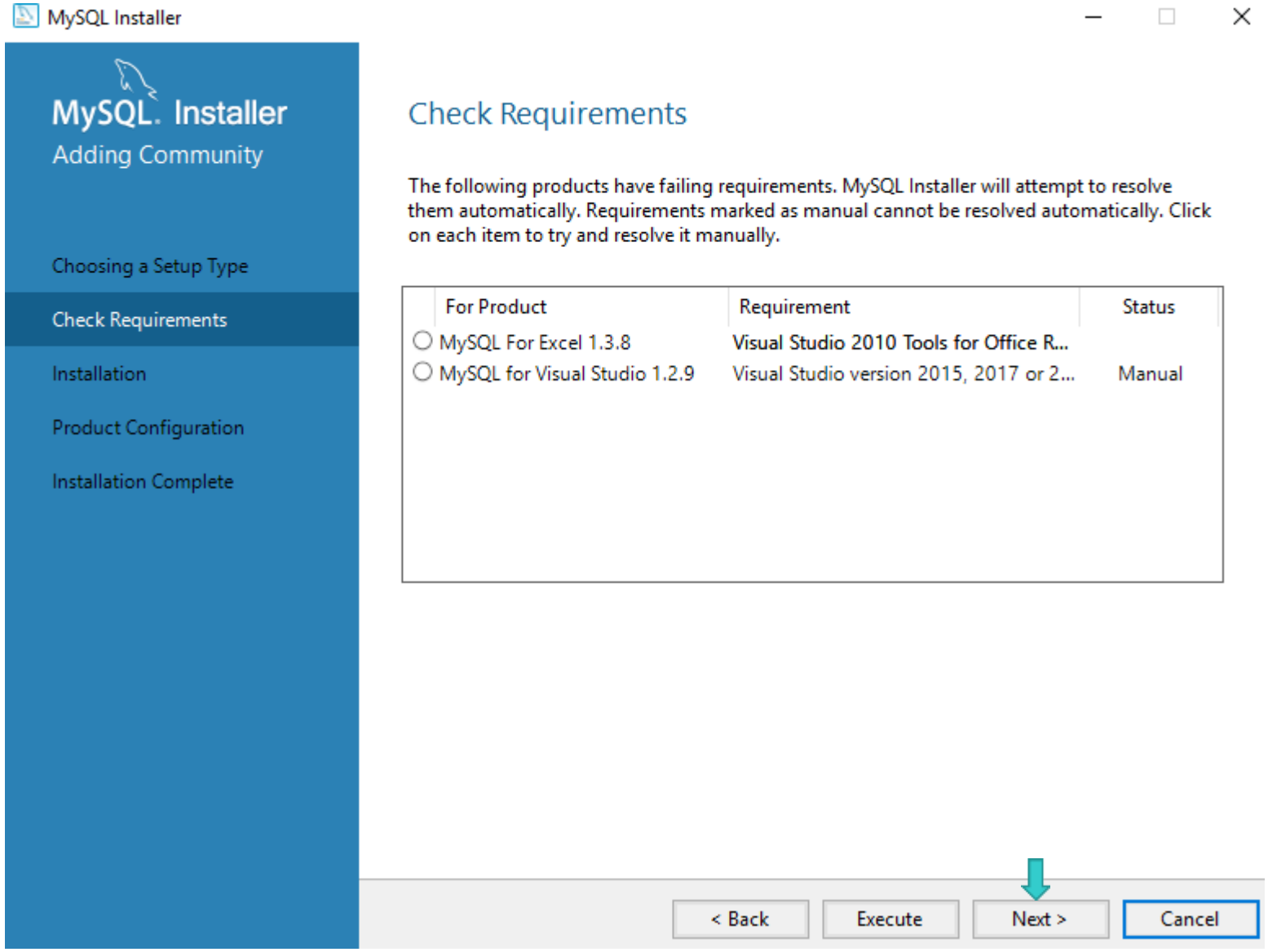
- MySQL Benchmark Tool
- Time zone description tables
- Download Archives

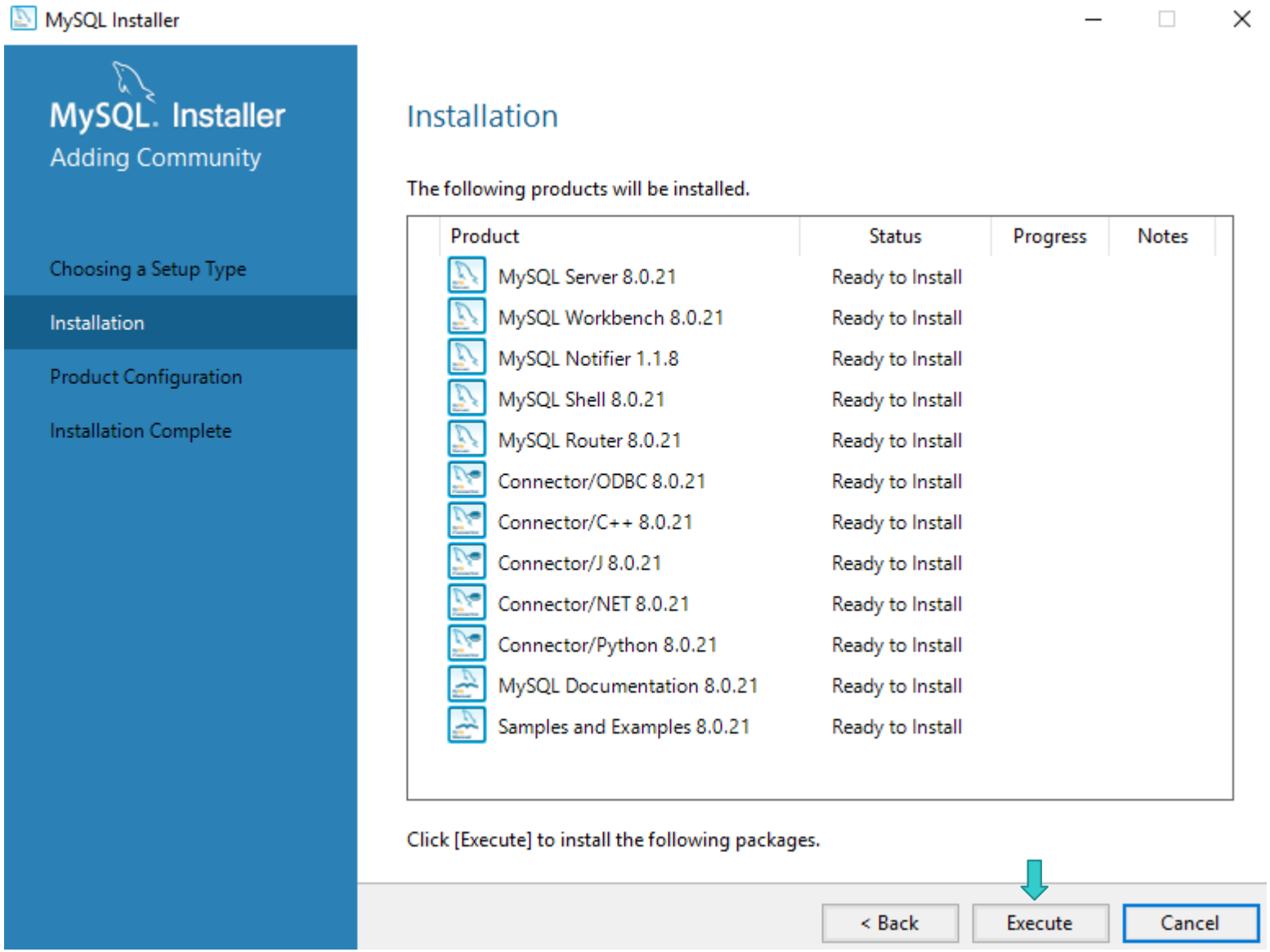
- Na próxima tela você pode criar uma conta na Oracle ou simplesmente iniciar o seu download.

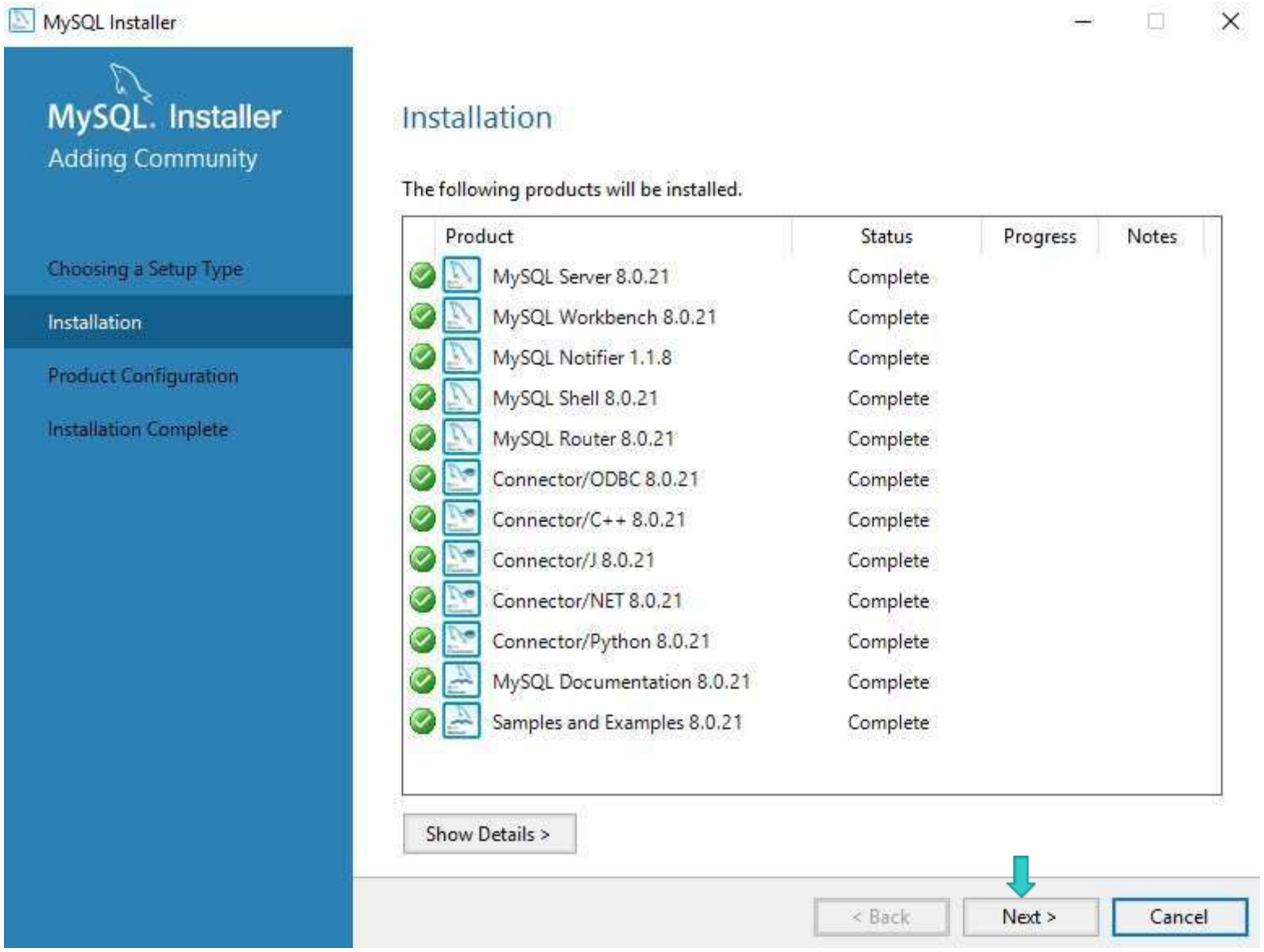


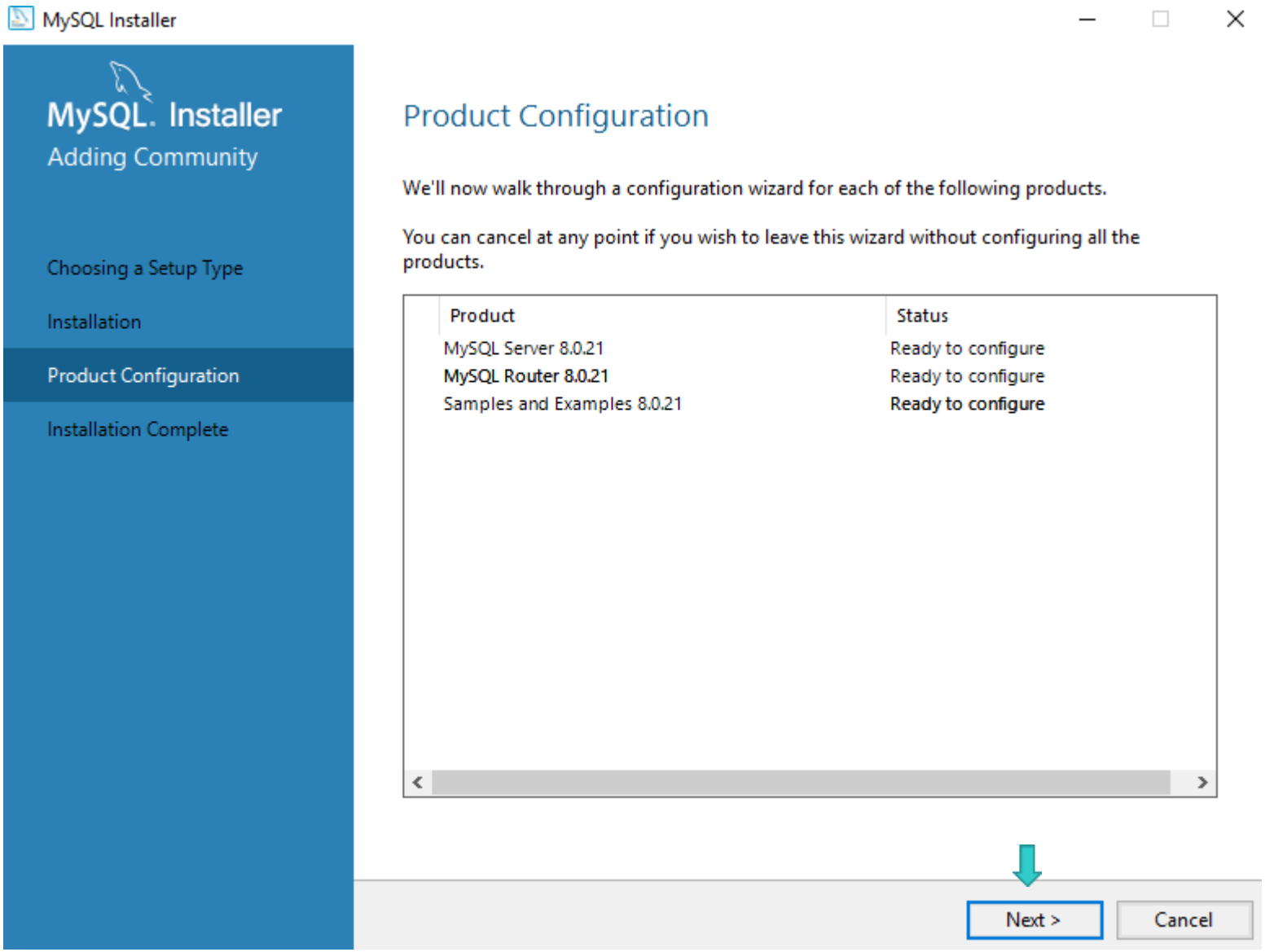
- Abra o arquivo após o download. Siga as instruções abaixo para instalação.




MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Check Requirements
Installation
Product Configuration
Installation Complete
Check Requirements
The following products have failing requirements. MySQL Installer will attempt to resolve them automatically. Requirements marked as manual cannot be resolved automatically. Click on each item to try and resolve it manually.
For Product
Requirement
Status
MySQL For Excel 1.3.8
Visual Studio 2010 Tools for Office R...
MySQL for Visual Studio 1.2.9
Visual Studio version 2015, 2017 or 2...
Manual
< Back
Execute
Next >
Cancel


MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Installation
Product Configuration
Installation Complete
Installation
The following products will be installed.
Product
Status
Progress
Notes
MySQL Server 8.0.21
Ready to Install
MySQL Workbench 8.0.21
Ready to Install
MySQL Notifier 1.1.8
Ready to Install
MySQL Shell 8.0.21
Ready to Install
MySQL Router 8.0.21
Ready to Install
Connector/ODBC 8.0.21
Ready to Install
Connector/C++ 8.0.21
Ready to Install
Connector/J 8.0.21
Ready to Install
Connector/NET 8.0.21
Ready to Install
Connector/Python 8.0.21
Ready to Install
MySQL Documentation 8.0.21
Ready to Install
Samples and Examples 8.0.21
Ready to Install
Click [Execute] to install the following packages.
< Back
Execute
Cancel


MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Installation
Product Configuration
Installation Complete
Installation
The following products will be installed.
Product
Status
Progress
Notes
MySQL Server 8.0.21
Complete
MySQL Workbench 8.0.21
Complete
MySQL Notifier 1.1.8
Complete
MySQL Shell 8.0.21
Complete
MySQL Router 8.0.21
Complete
Connector/ODBC 8.0.21
Complete
Connector/C++ 8.0.21
Complete
Connector/J 8.0.21
Complete
Connector/NET 8.0.21
Complete
Connector/Python 8.0.21
Complete
MySQL Documentation 8.0.21
Complete
Samples and Examples 8.0.21
Complete
Show Details >
< Back
Next >
Cancel


MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Installation
Product Configuration
Installation Complete
Product Configuration
We'll now walk through a configuration wizard for each of the following products.
You can cancel at any point if you wish to leave this wizard without configuring all the products.
Product
Status
MySQL Server 8.0.21
Ready to configure
MySQL Router 8.0.21
Ready to configure
Samples and Examples 8.0.21
Ready to configure
Next >
Cancel

MySQL Installer

MySQL. Installer
MySQL Server 8.0.21

- High Availability
- Type and Networking
- Authentication Method
- Accounts and Roles
- Windows Service
- Logging Options
- Advanced Options
- Apply Configuration

## High Availability

(•) Standalone MySQL Server / Classic MySQL Replication

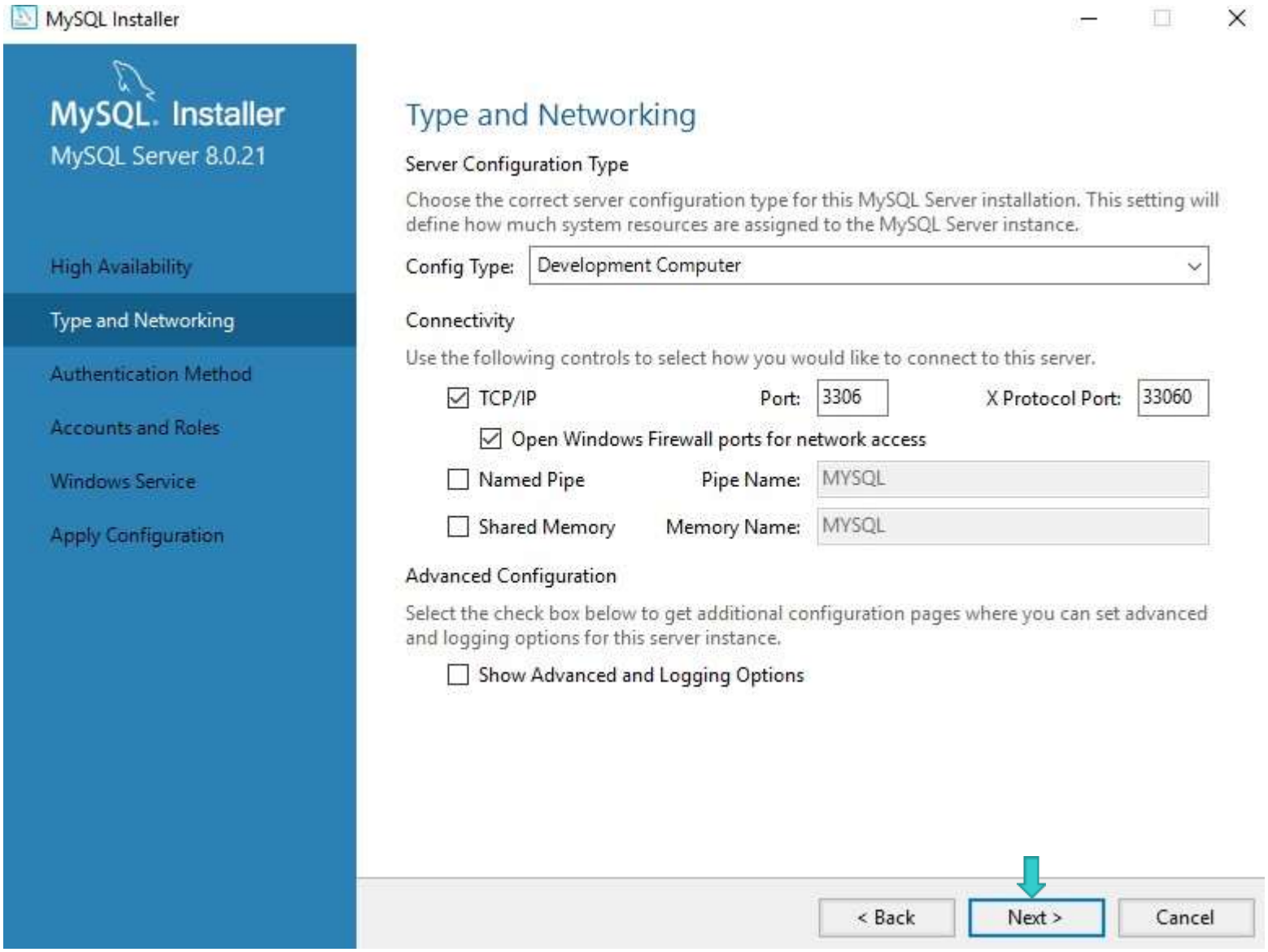
Choose this option to run the MySQL instance as a standalone database server with the opportunity to configure classic replication later. With this option, you can provide your own high-availability solution, if required.

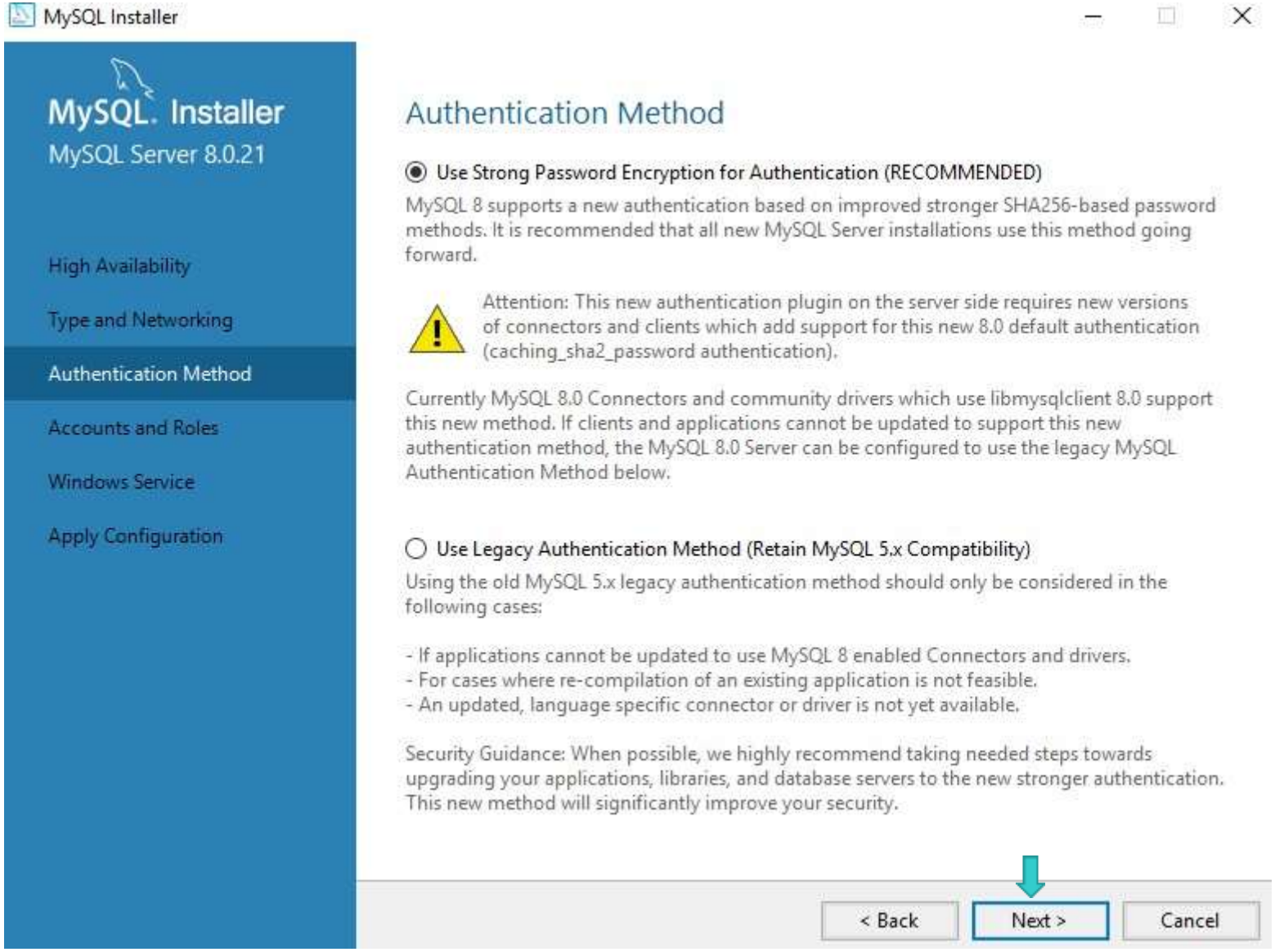
( ) InnoDB Cluster

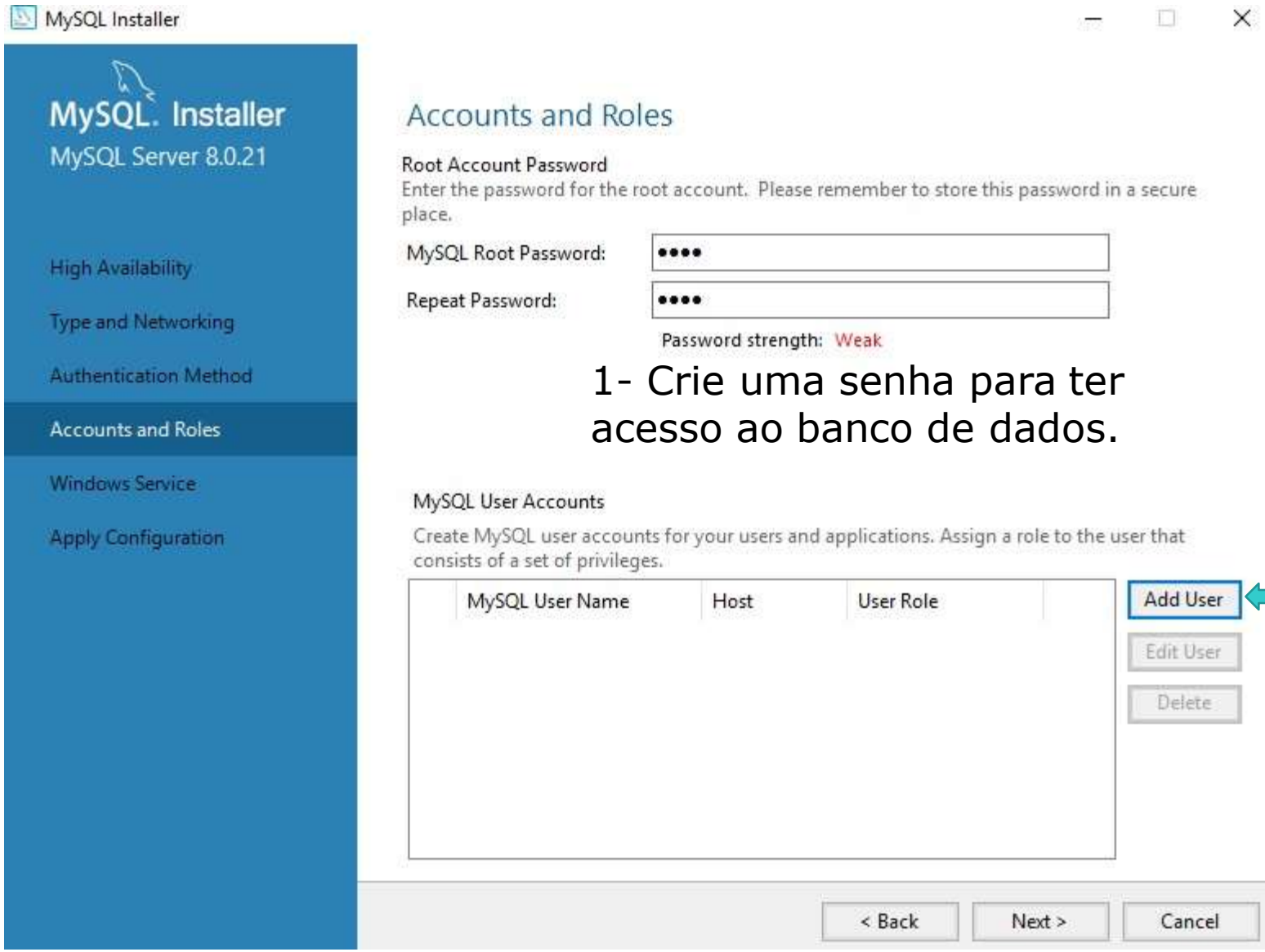
The InnoDB cluster technology provides an out-of-the-box high availability (HA) solution for MySQL using Group Replication.

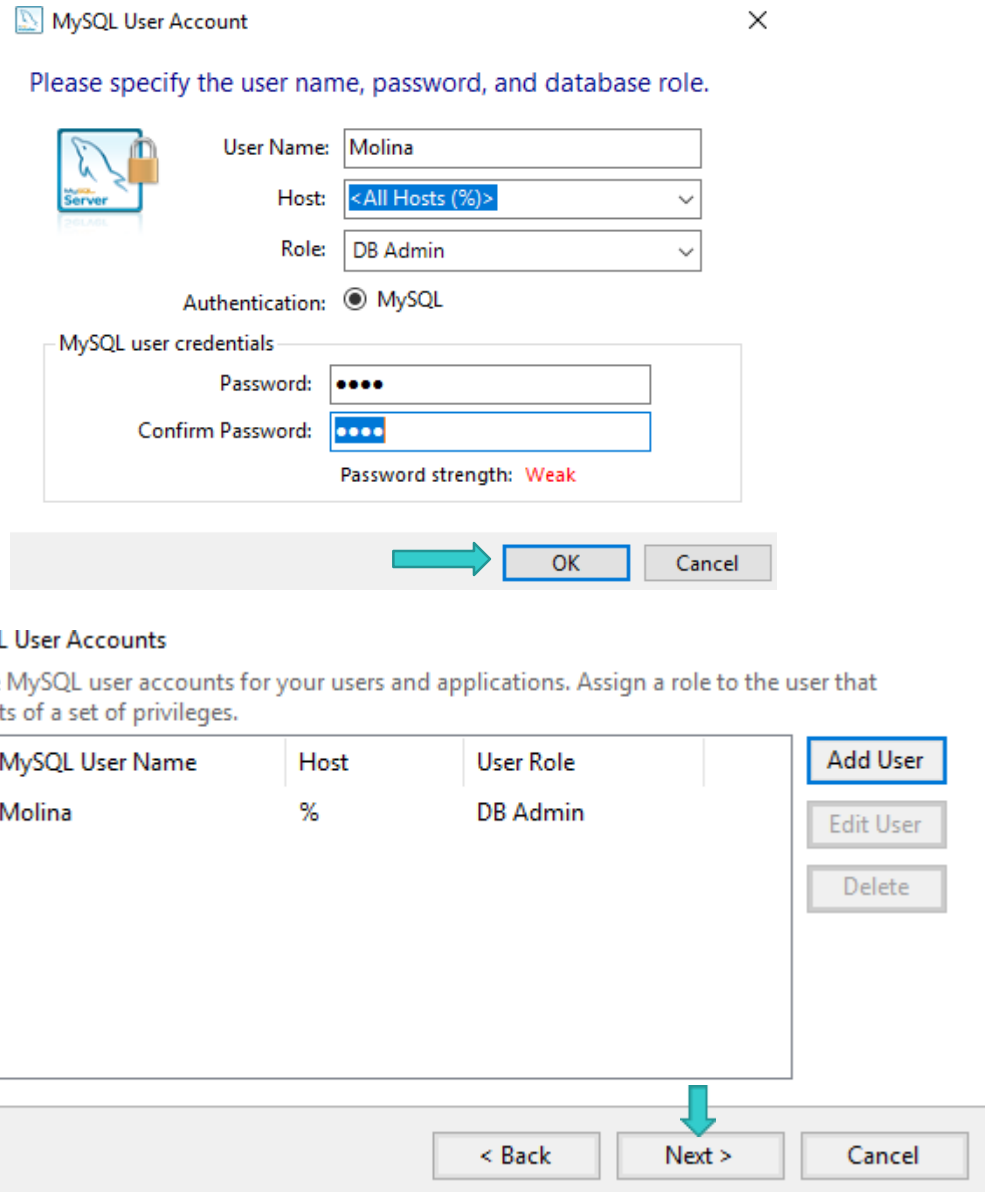

Note: InnoDB cluster requires a minimum of three MySQL server instances to provide a fully automated HA solution. Members of a cluster should be located such that network communication latency between servers is low.

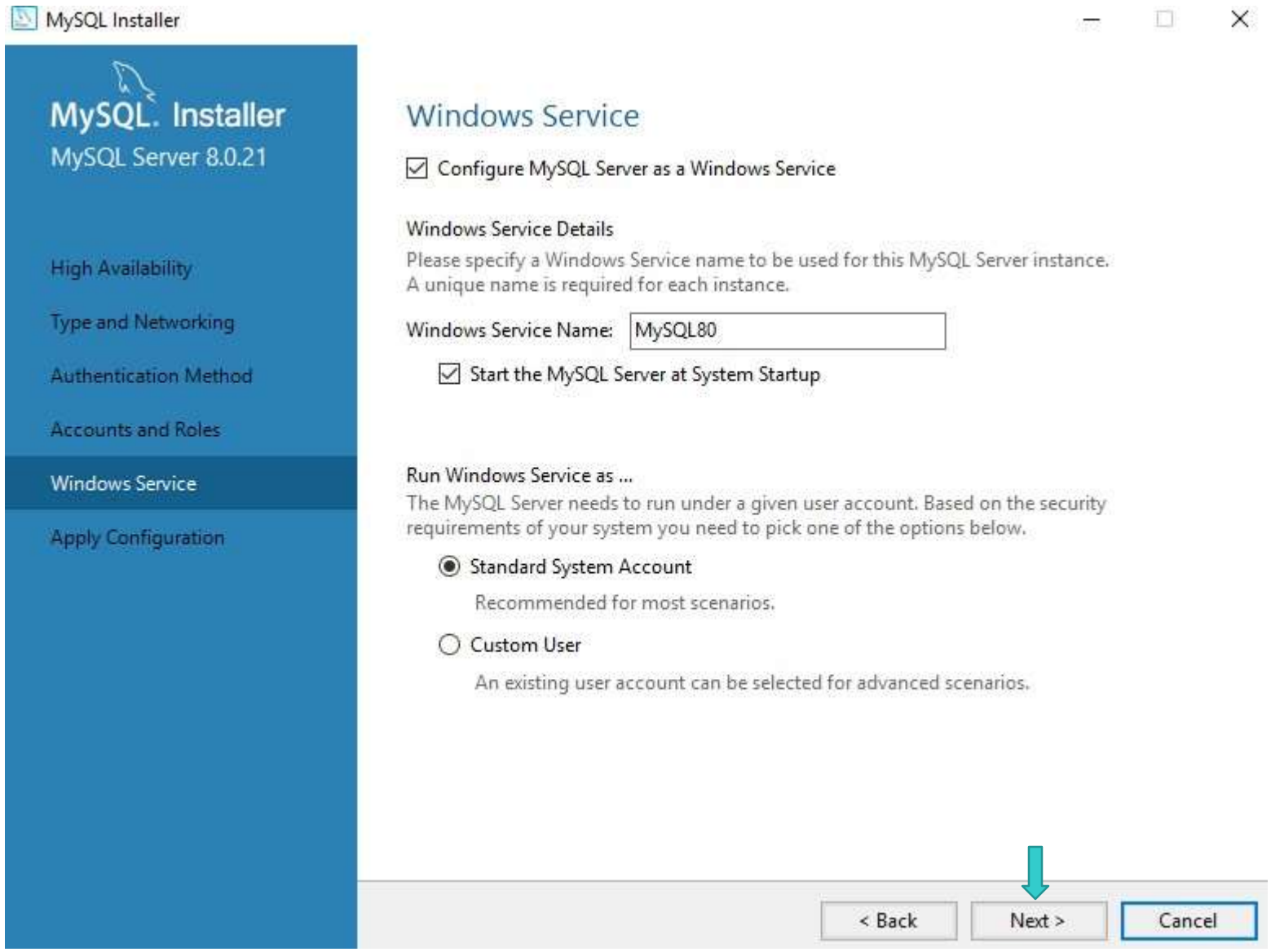
Next >  Cancel

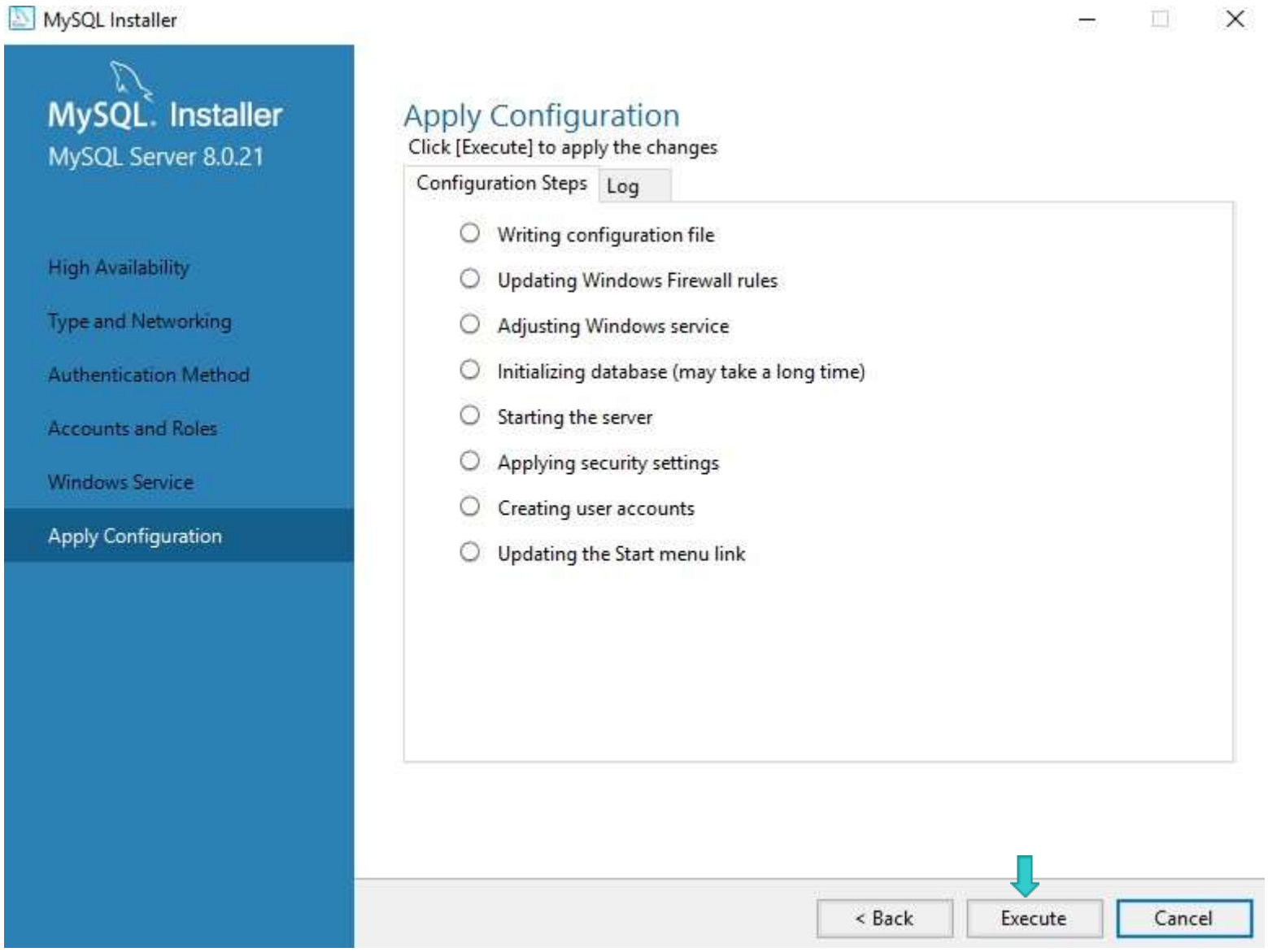

MySQL Installer
MySQL. Installer
MySQL Server 8.0.21
High Availability
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Type and Networking
Server Configuration Type
Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.
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
< Back
Next >
Cancel

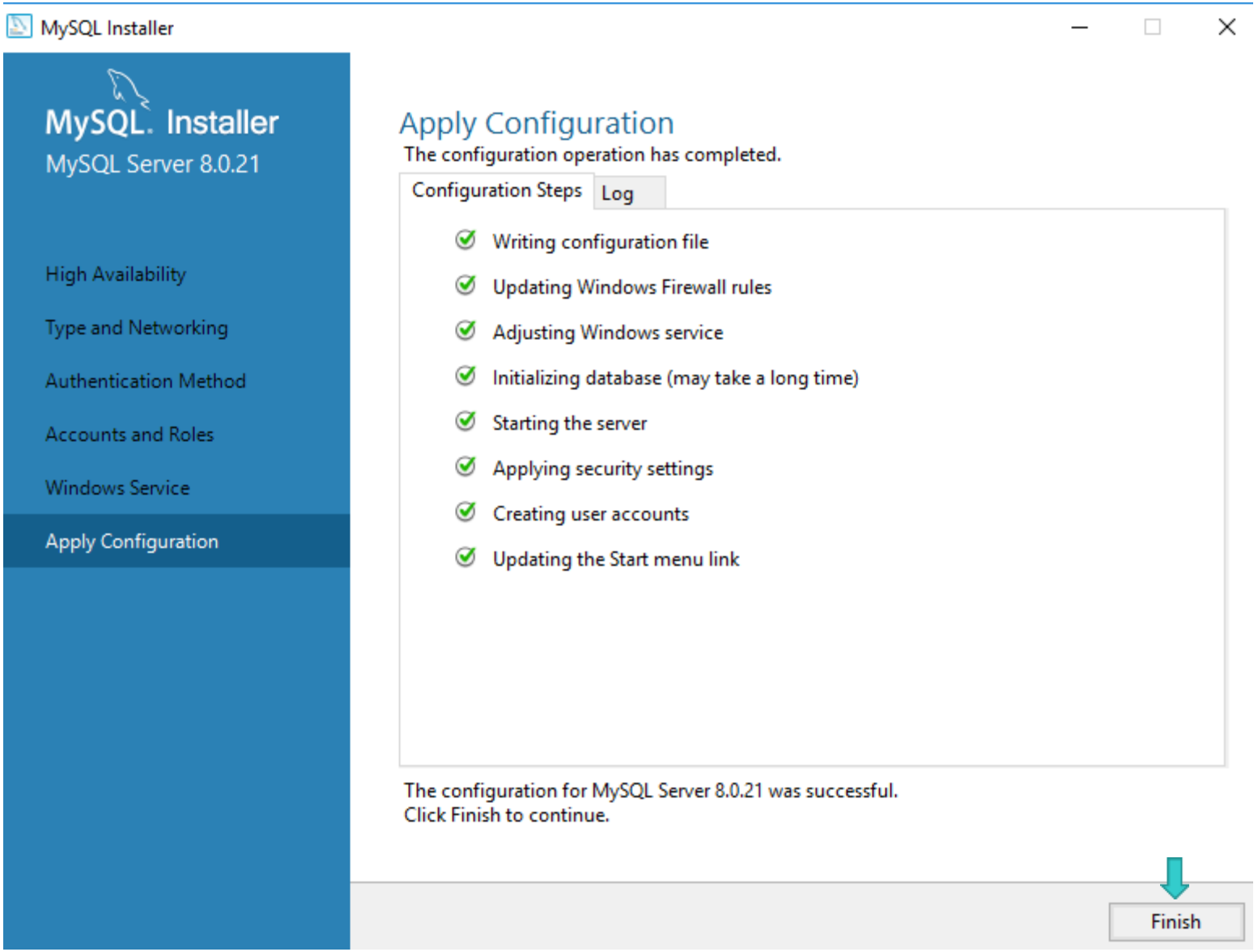

MySQL Installer
MySQL. Installer
MySQL Server 8.0.21
High Availability
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Authentication Method
Use Strong Password Encryption for Authentication (RECOMMENDED)
MySQL 8 supports a new authentication based on 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

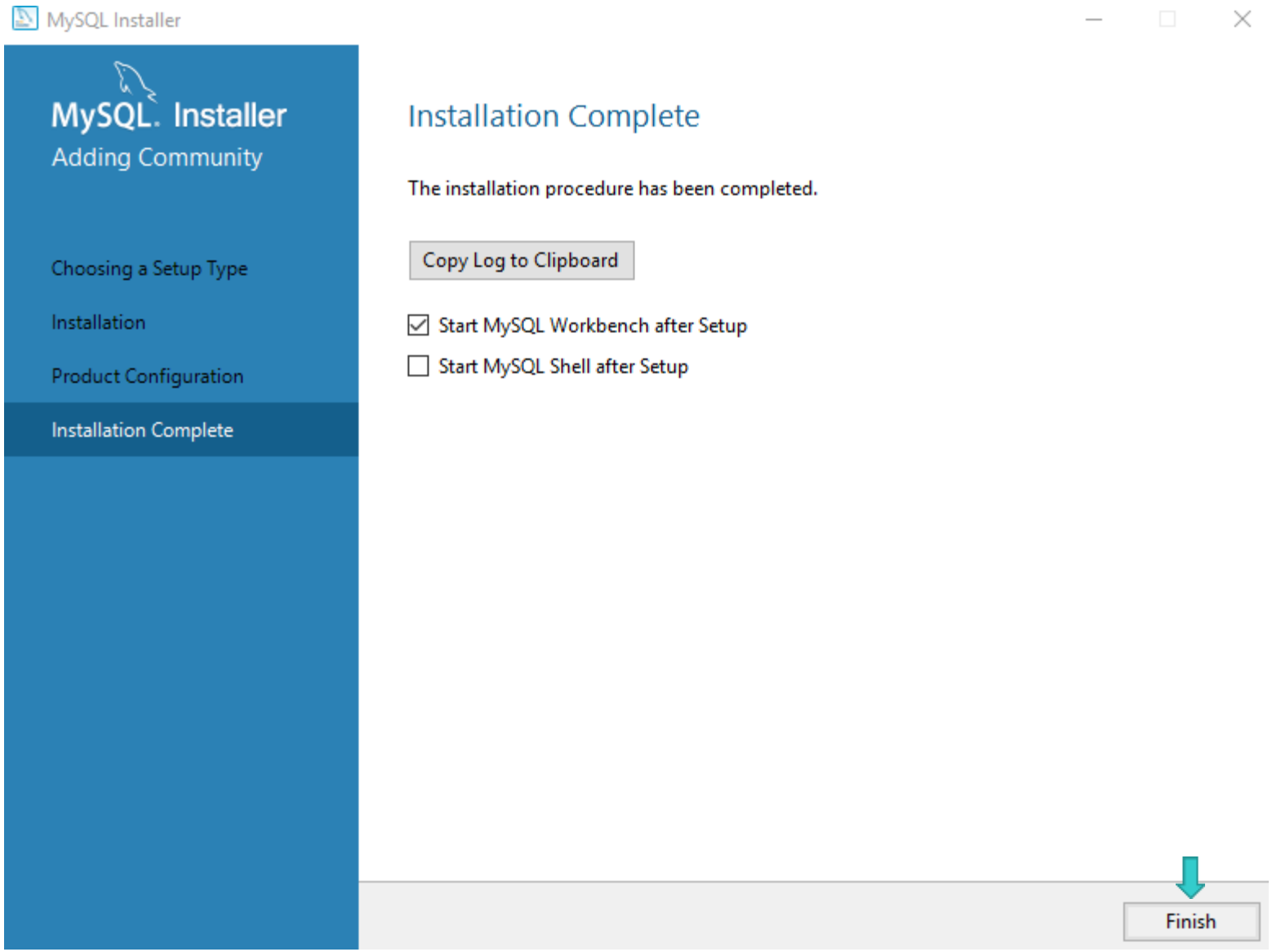

MySQL Installer
MySQL. Installer
MySQL Server 8.0.21
High Availability
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Accounts and Roles
Root Account Password
Enter the password for the root account. Please remember to store this password in a secure place.
MySQL Root Password:
Repeat Password:
Password strength: Weak
1- Crie uma senha para ter acesso ao banco de dados.
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
Add User
2
Edit User
Delete
< Back
Next >
Cancel


MySQL User Account
Please specify the user name, password, and database role.
User Name: Molina
Host: <All Hosts (%)>
Role: DB Admin
Authentication: MySQL
MySQL user credentials
Password:
Confirm Password:
Password strength: Weak
OK
Cancel
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
Molina
%
DB Admin
Add User
Edit User
Delete
< Back
Next >
Cancel


MySQL Installer
MySQL. Installer
MySQL Server 8.0.21
High Availability
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Windows Service
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: MySQL80
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.
< Back
Next >
Cancel


MySQL Installer
MySQL. Installer
MySQL Server 8.0.21
High Availability
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Apply Configuration
Click [Execute] to apply the changes
Configuration Steps
Log
Writing configuration file
Updating Windows Firewall rules
Adjusting Windows service
Initializing database (may take a long time)
Starting the server
Applying security settings
Creating user accounts
Updating the Start menu link
< Back
Execute
Cancel

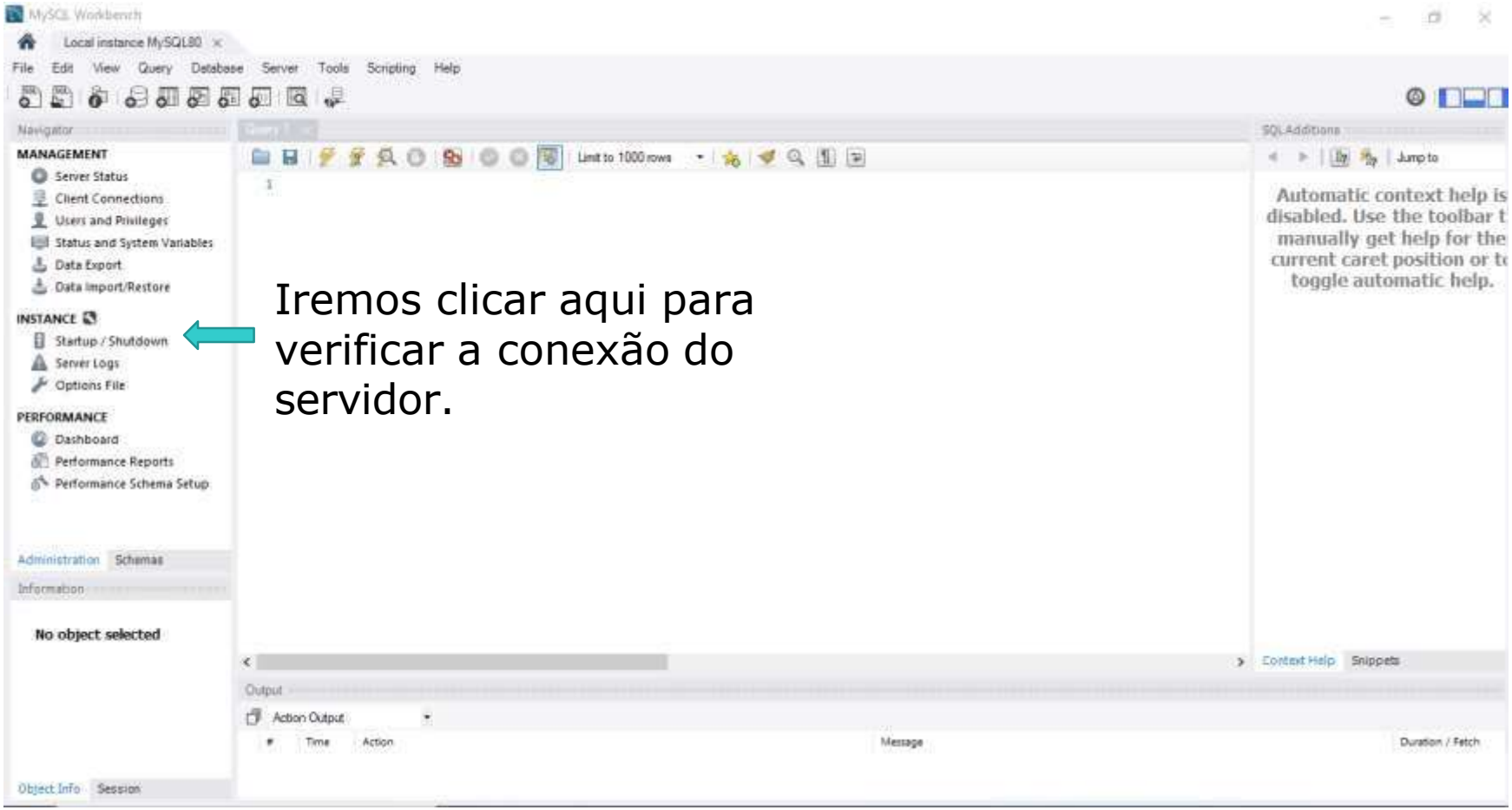

MySQL Installer
MySQL. Installer
MySQL Server 8.0.21
High Availability
Type and Networking
Authentication Method
Accounts and Roles
Windows Service
Apply Configuration
Apply Configuration
The configuration operation has completed.
Configuration Steps
Log
Writing configuration file
Updating Windows Firewall rules
Adjusting Windows service
Initializing database (may take a long time)
Starting the server
Applying security settings
Creating user accounts
Updating the Start menu link
The configuration for MySQL Server 8.0.21 was successful.
Click Finish to continue.
Finish


MySQL Installer
MySQL. Installer
Adding Community
Choosing a Setup Type
Installation
Product Configuration
Installation Complete
Installation Complete
The installation procedure has been completed.
Copy Log to Clipboard
Start MySQL Workbench after Setup
Start MySQL Shell after Setup
Finish

- Agora que já concluímos a instalação do MySQL Server e do MySQL Workbench vamos testar a nossa instalação. Abra o MySQL Workbench.


Dê um duplo clique.


Insira seu pwd e clique em OK.




Iremos clicar aqui para verificar a conexão do servidor.


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Query 1
Administration - Startup / Shutdo...
Local instance MySQL80
Startup / Shutdown MySQL Server
The database server is started and ready for client connections. To shut the server down, use the "Stop Server" button
The database server instance is running
Stop Server
Bring Offline
If you stop the server, neither you nor your applications can use the database and all current connections will be closed.
Startup Message Log
2020-07-18 17:54:39 - Workbench will use cmd shell commands to start/stop this instance
2020-07-18 17:54:39 - Server is running
TUDOOOK !!!
Refresh Status
Clear Messages
Copy to Clipboard
SQL Additions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help
Snippets
Output
Action Output
# Time Action Message Duration / Fetch

- Para facilitar a digitação dos scripts sugiro o uso do editor Sublime Text que pode ser baixado no seguinte endereço: https://www.sublimetext.com/

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## Instalação do MySQL Server e MySQL Workbench

# Obrigado

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