



# **Instalação do MySQL Server e MySQL Workbench**

**Prof. Ms Gustavo Molina**

- 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 285,3 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](#)
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- 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.

## MySQL Community Downloads

Login Now or Sign Up for a free account.

An Oracle Web Account provides you with the following advantages:

- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system

**Login »**

using my Oracle Web account

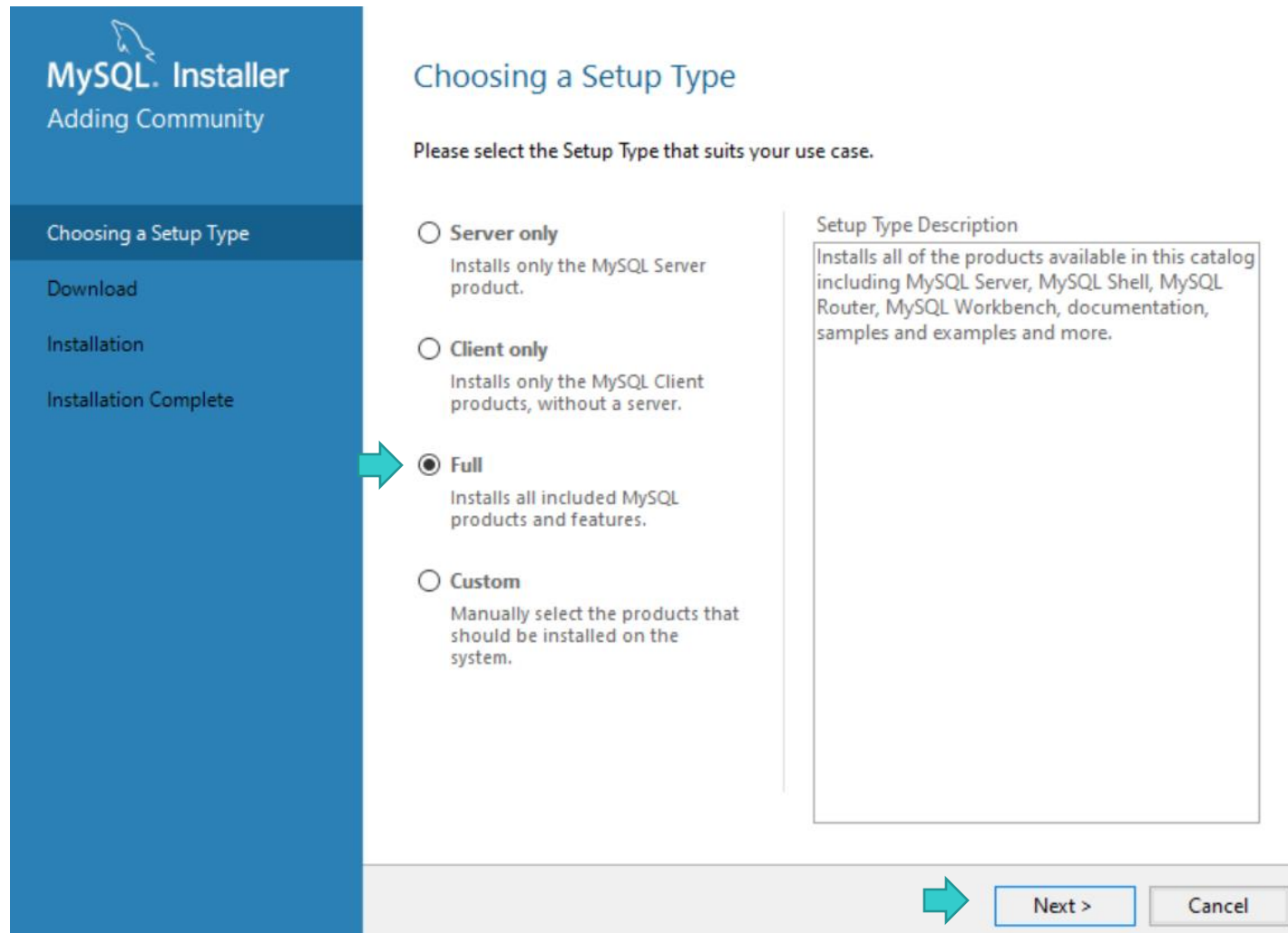
**Sign Up »**

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.](#)

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



# MySQL. Installer

Adding Community

Choosing a Setup Type

Download







Installation

Product Configuration

Installation Complete

## Download

The following products will be downloaded.

Product	Arch	Status	Progress	Not
 MySQL Server 8.0.36	X64	Ready to download		
 MySQL Workbench 8.0.36	X64	Ready to download		
 MySQL Shell 8.0.36	X64	Ready to download		
 MySQL Router 8.0.36	X64	Ready to download		
 MySQL Documentation 8.0.36	X86	Ready to download		
 Samples and Examples 8.0.36	X86	Ready to download		

Click [Execute] to download the following packages.

< Back

Execute

Cancel

# MySQL® Installer

Adding Community

Choosing a Setup Type







Installation

Product Configuration

Installation Complete

## Installation

The following products will be installed.

	Product	Arch	Status	Progress	Notes
✓	 MySQL Server 8.0.36	X64	Complete		
✓	 MySQL Workbench 8.0.36	X64	Complete		
✓	 MySQL Shell 8.0.36	X64	Complete		
✓	 MySQL Router 8.0.36	X64	Complete		
✓	 MySQL Documentation 8.0.36	X86	Complete		
✓	 Samples and Examples 8.0.36	X86	Complete		

Show Details >

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Next >

Cancel



# 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 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: 

### Connectivity

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

☒ TCP/IP Port:  X Protocol Port: ☒ Open Windows Firewall ports for network access☐ Named Pipe Pipe Name: ☐ Shared Memory Memory Name: 

### 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

&lt; Back

Next &gt;

Cancel

# MySQL. Installer

## MySQL Server 8.0.21

High Availability

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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.

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Cancel

# MySQL. Installer

## MySQL Server 8.0.21

High Availability

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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.

**admin**

### 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**

Edit User

Delete


**2**

&lt; Back

Next &gt;

Cancel

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



User Name:

Host:

Role:

Authentication: ☒ MySQL

MySQL user credentials
 

Password:

Confirm Password:

Password strength: Weak


Senha: admin

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	
	admin	%	DB Admin	<div>Add User</div> <div>Edit User</div> <div>Delete</div>



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Next >

Cancel

# 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:

☒ 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.

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Cancel

# MySQL<sup>®</sup> Installer

MySQL Server 8.0.36

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

## Server File Permissions

MySQL Installer can secure the server's data directory by updating the permissions of files and folders located at:

C:\ProgramData\MySQL\MySQL Server 8.0\Data

Do you want MySQL Installer to update the server file permissions for you?

- ☒ Yes, grant full access to the user running the Windows Service (if applicable) and the administrators group only. Other users and groups will not have access.
- ☐ Yes, but let me review and configure the level of access.
- ☐ No, I will manage the permissions after the server configuration.



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Cancel

# 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 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<sup>®</sup> 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 8.0.36	Configuration complete.
MySQL Router 8.0.36	Ready to configure
Samples and Examples 8.0.36	Ready to configure



Next >

Cancel

# MySQL<sup>®</sup> Installer

MySQL Router 8.0.36

## MySQL Router Configuration

### ☐ Bootstrap MySQL Router for use with InnoDB Cluster

This wizard can bootstrap MySQL Router to direct traffic between MySQL applications and InnoDB Cluster. Applications that connect to the router will be automatically directed to an available read/write or read-only member of the cluster.

The bootstrapping process requires a connection to InnoDB Cluster. In order to register the MySQL Router for monitoring, use the current Read/Write instance of the cluster.

Hostname:

Port:

Management User:

Password:

MySQL Router requires specification of a base port (between 80 and 65532). The first port is used for classic read/write connections. The other ports are computed sequentially after the first port. If any port is indicated to be in use, please change the base port.

#### Classic MySQL protocol connections to InnoDB Cluster:

Read/Write:

Read Only:

#### X Protocol connections to InnoDB Cluster:

Read/Write:

Read Only:



# MySQL<sup>®</sup> 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 8.0.36	Configuration complete.
MySQL Router 8.0.36	Configuration not needed.
Samples and Examples 8.0.36	Ready to configure



Next >

Cancel

# MySQL<sup>®</sup> 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 8.0.36	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:

Password:



Credentials provided in Server configuration

User: admin  
Pwd: admin

# MySQL<sup>®</sup> Installer

Samples and Examples

Connect To Server

Apply Configuration

## Apply Configuration

Click [Execute] to apply the changes

Configuration Steps

Log

- ☐ Checking if there are any features installed that need configuration.
- ☐ Running Scripts

< Back

Execute

Cancel

# MySQL<sup>®</sup> Installer

Samples and Examples

Connect To Server

Apply Configuration

## Apply Configuration

The configuration operation has completed.

Configuration Steps

Log

- ✓ Checking if there are any features installed that need configuration.
- ✓ Running Scripts

The configuration for Samples and Examples 8.0.36 was successful.  
Click Finish to continue.



Finish

# MySQL. Installer

## Adding Community

Choosing a Setup Type

Installation

Product Configuration

Installation Complete

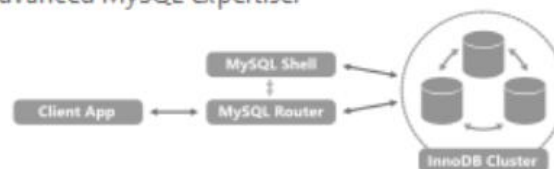
## Installation Complete

The installation procedure has been completed.

Copy Log to Clipboard

- ☒ Start MySQL Workbench after setup
- ☒ Start MySQL Shell after setup

The MySQL Shell is an advanced MySQL client application that can be used to work with single MySQL Server instances. Further, it can be used to create and manage InnoDB Cluster, an integrated solution for high availability and scalability of MySQL databases, without requiring advanced MySQL expertise.



Refer to the following links for documentation, tutorials and examples on MySQL Shell:

[MySQL Shell Documentation](#)

[Setting up a Real World Cluster Blog](#)

[The All New MySQL InnoDB ReplicaSet Blog](#)

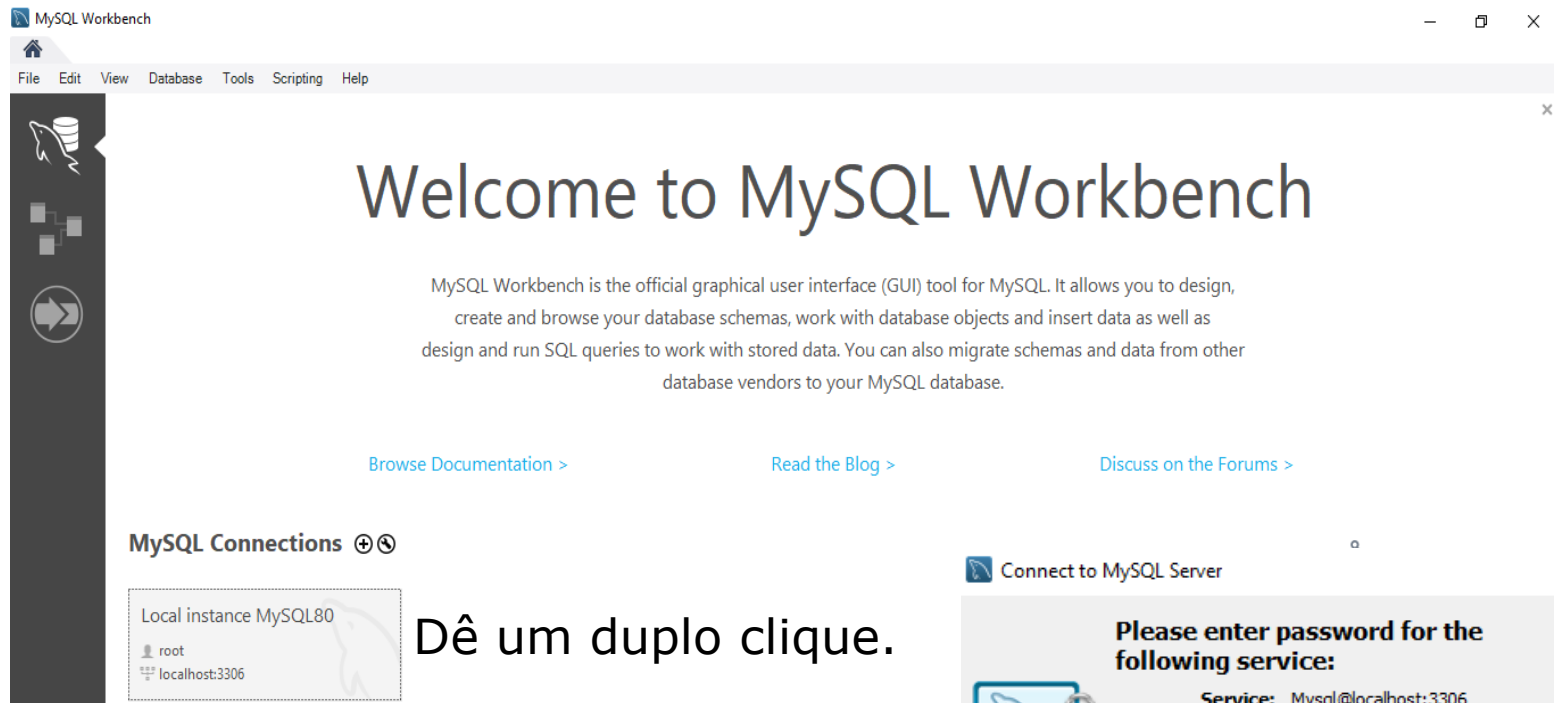
[Changing Cluster Options Live Blog](#)



Finish

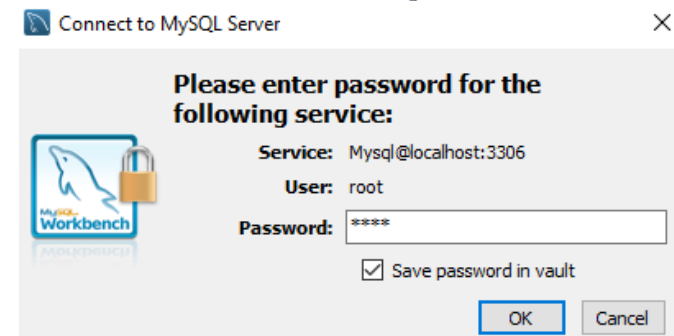


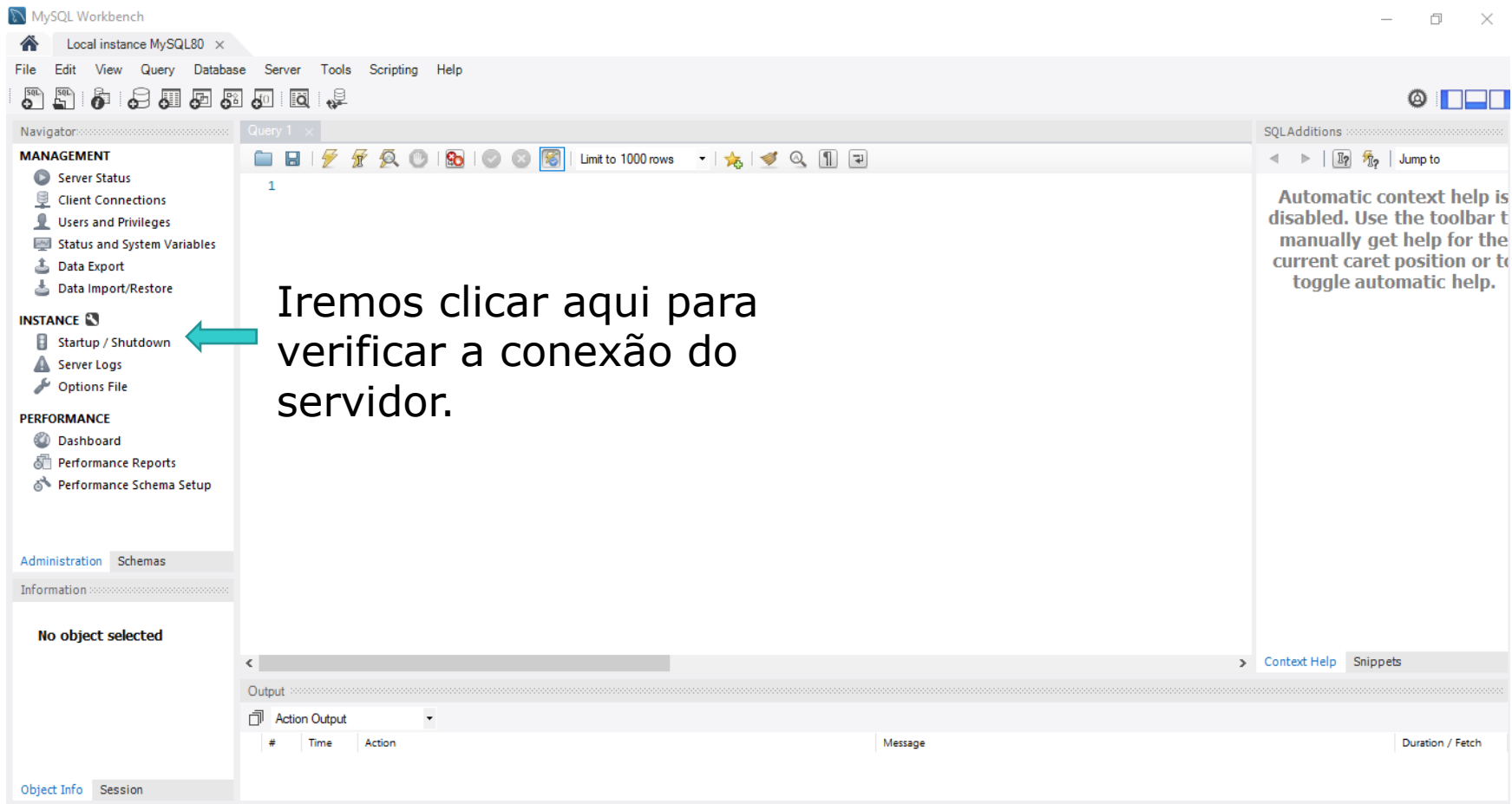
- Agora que já concluímos a instalação do MySQL Server e do MySQL Workbench vamos testar a nossa instalação. Abra o MySQL Workbench.



Dê um duplo clique.

Insira a senha admin e clique em OK.





MySQL Workbench

Local instance MySQL80 x

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigation icons

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 ServerBring 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

Refresh Status

Clear Messages

Copy to Clipboard

Output

Action Output

#TimeAction

Message

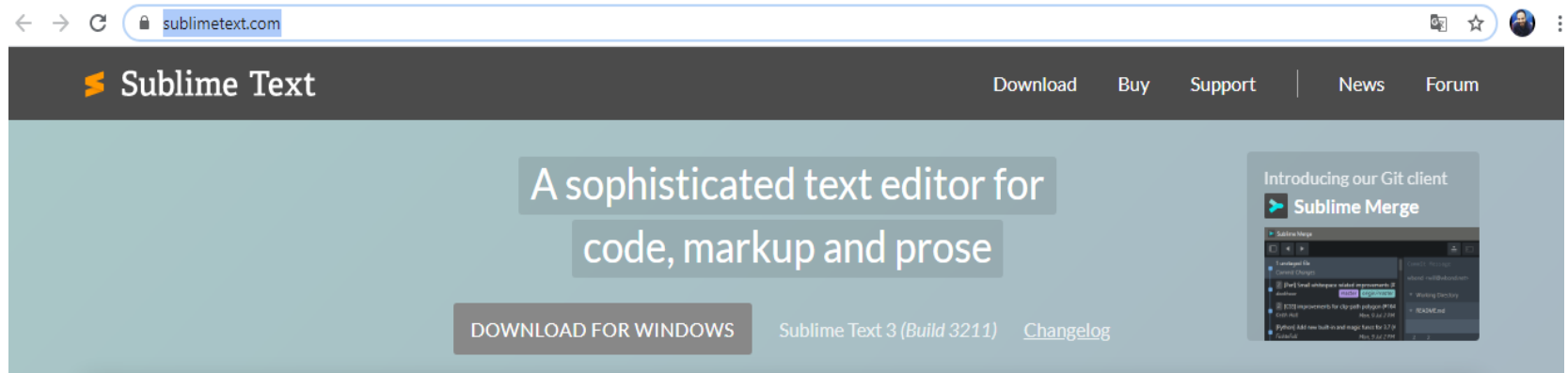
Duration / Fetch

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context HelpSnippets

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



# **Instalação do MySQL Server e MySQL Workbench**

# **Obrigado**

**Prof. Ms Gustavo Molina**