

Tutorial para Download:

MySql Workbench

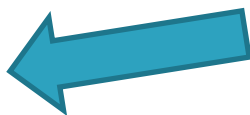


Download

MySQL Server e Workbench
Versão 8 ou superior

➤ **Downloads:** <https://dev.mysql.com/downloads/>

- MySQL Community Server
- [MySQL Cluster](#)
- MySQL Router
- MySQL Shell
- MySQL Workbench



Se o Workbench não for instalado automaticamente junto com o server é só baixarem ele de forma separada na opção MySQL Workbench

Escolha seu sistema operacional:

Select Operating System:

Microsoft Windows

Instalando no Windows:

Starting with MySQL 5.6 the MySQL Installer package replaces the standalone MSI packages.

Windows (x86, 32 & 64-bit), MySQL Installer MSI

[Go to Download Page >](#)

Other Downloads:

Windows (x86, 64-bit), ZIP Archive (mysql-8.0.21-winx64.zip)	8.0.21	111.1M	Download
MD5: 06d745c77b254e160807bdc2f5245352 Signature			
Windows (x86, 64-bit), ZIP Archive Debug Binaries & Test Suite (mysql-8.0.21-winx64-debug-test.zip)	8.0.21	510.6M	Download
MD5: 5494a3af4c3d34c700136d23c3c5f27 Signature			

Select Operating System:

Microsoft Windows

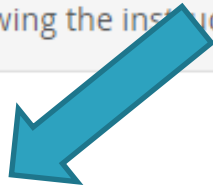
Looking for previous GA versions?

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.21.0.msi)	8.0.21	24.5M	Download
	MD5: cf2b46ba35a4443f41fb8e94a0e91d93 Signature		
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.21.0.msi)	8.0.21	427.6M	Download
	MD5: b52294aa854356c266e9a9aecd0a08 Signature		

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 sign up for a free account by clicking the Sign Up link and following the instructions.



No thanks, just start my download.

Adding Community

Choosing a Setup Type

Installation

Installation Complete

Please select the Setup Type that suits your case.

- ☒ **Developer Default**
Installs all products needed for MySQL development purposes.
- ☐ **Server only**
Installs only the MySQL Server product.
- ☐ **Client only**
Installs only the MySQL Client products, without a server.
- ☐ **Full**
Installs all included MySQL products and features.
- ☐ **Custom**
Manually select the products that should be installed on the system.

Setup Type Description

Installs the MySQL Server and the tools required for MySQL application development. This is useful if you intend to develop applications for an existing server.

This Setup Type includes:

* MySQL Server

* MySQL Shell

The new MySQL client application to manage MySQL Servers and InnoDB cluster instances.

* MySQL Router

High availability router daemon for InnoDB cluster setups to be installed on application

Next >

Cancel

- Choosing a Setup Type
- Path Conflicts
- Check Requirements
- Installation
- Product Configuration
- Installation Complete

Here are the list of the products that has path conflicts, please navigate between them and if is necessary change the path or paths below.

Product	Architecture
MySQL Server 8.0.21	X64

1 Warnings


You can use the same folder or change it to a new one, take in mind that the install process can overwrite the folder if already exists.

Install Directory:

C:\Program Files\MySQL\MySQL Server 8.0

Data Directory:

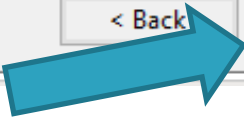
C:\ProgramData\MySQL\MySQL Server 8.0

 The selected path already exists.

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Cancel



Choosing a Setup Type

Path Conflicts

Check Requirements

Installation

Product Configuration

Installation Complete

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
<input type="radio"/>	MySQL For Excel 1.3.8	Visual Studio 2010 Tools for Office R...	
<input type="radio"/>	MySQL For Excel 1.3.8	Microsoft Excel 2007 or higher is not...	Manual
<input type="radio"/>	MySQL for Visual Studio 1.2.9	Visual Studio version 2015, 2017 or 2...	Manual



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Execute

Next >

Cancel

Primeiro Execute e depois Next. Se pedir para instalar alguma coisa é só aceitar os termos e instalar













MySQL. Installer

Adding Community

- Choosing a Setup Type
- Path Conflicts
- 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.

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Execute

Cancel

Choosing a Setup Type

Path Conflicts

Installation

Product Configuration

Installation Complete

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

Logging Options

Advanced Options

Apply Configuration

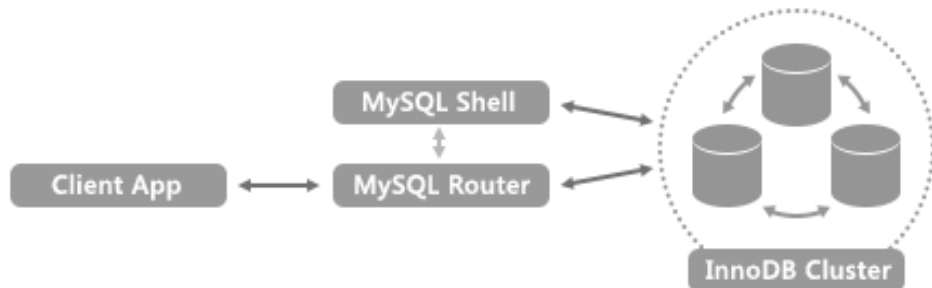
High Availability

☒ 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.



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



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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

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 the 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

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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Next >

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
- ☐ Starting the server
- ☐ Applying security settings
- ☐ Updating the Start menu link

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Execute

Cancel

Primeiro Execute e depois Finish

MySQL® Installer

Adding Community

Choosing a Setup Type

Path Conflicts

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	Configuration complete.
MySQL Router 8.0.21	Ready to configure
Samples and Examples 8.0.21	Ready to configure



Next >

Cancel

MySQL. Installer

MySQL Router 8.0.21

MySQL Router Configuration

MySQL Router Configuration

☐ Bootstrap MySQL Router for use with InnoDB cluster

This wizard can bootstrap MySQL Router to direct traffic between MySQL applications and a MySQL 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 the 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:

Test Connection

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:

MySQL X protocol connections to InnoDB cluster:

Read/Write:

Read Only:

Finish

Cancel



MySQL® Installer

Adding Community

Choosing a Setup Type

Path Conflicts

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	Configuration complete.
MySQL Router 8.0.21	Ready to configure
Samples and Examples 8.0.21	Ready to configure



Next >

Cancel

Coloque a senha criada e verifique em Check, depois clique em Next

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.


☐ Show MySQL Server instances that may be running in read-only mode

	Server	Port	Arch...	Type	Status
<input checked="" type="checkbox"/>	MySQL Server 8.0.21	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:



MySQL. 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

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Execute

Cancel

Execute e depois Finish

MySQL® Installer

Adding Community

Choosing a Setup Type

Path Conflicts

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	Configuration complete.
MySQL Router 8.0.21	Ready to configure
Samples and Examples 8.0.21	Ready to configure



Next >

Cancel



MySQL. Installer

Adding Community

Choosing a Setup Type

Path Conflicts

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

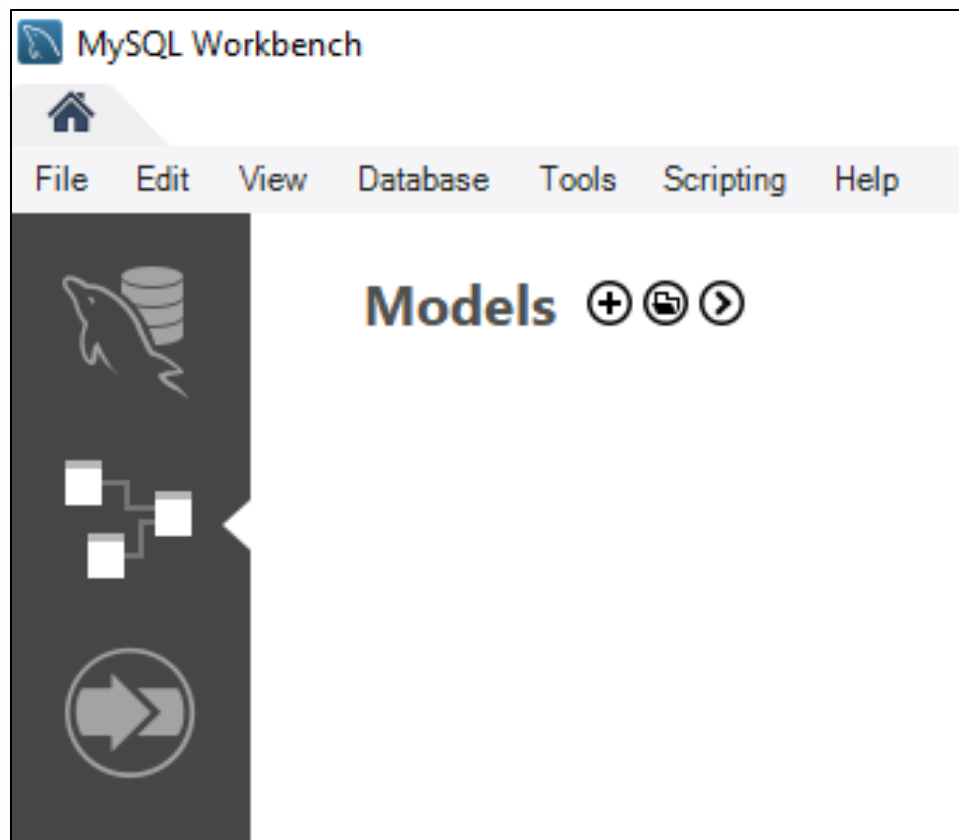
Instalação Completa

Agora vocês podem fechar a tela preta do prompt de comando e o MySQL e o Workbench já estão instalados.

Deixei um início do material que vão ver ainda caso estejam curiosos para começar a fuçar no Workbench

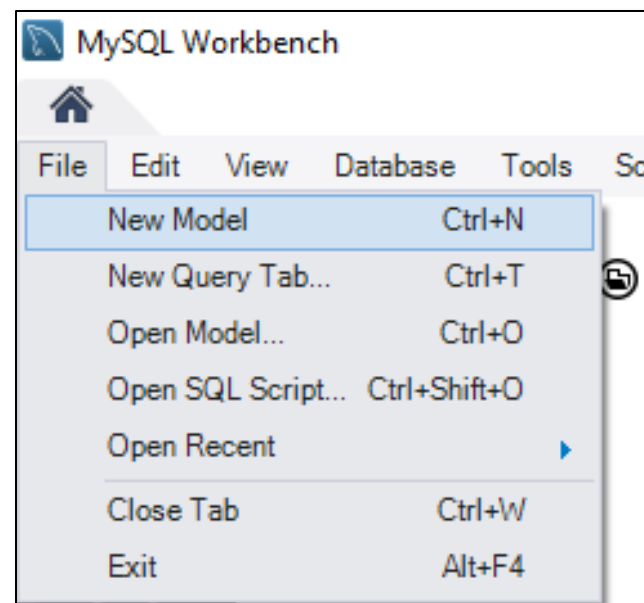
Iniciando com o MySQL Workbench

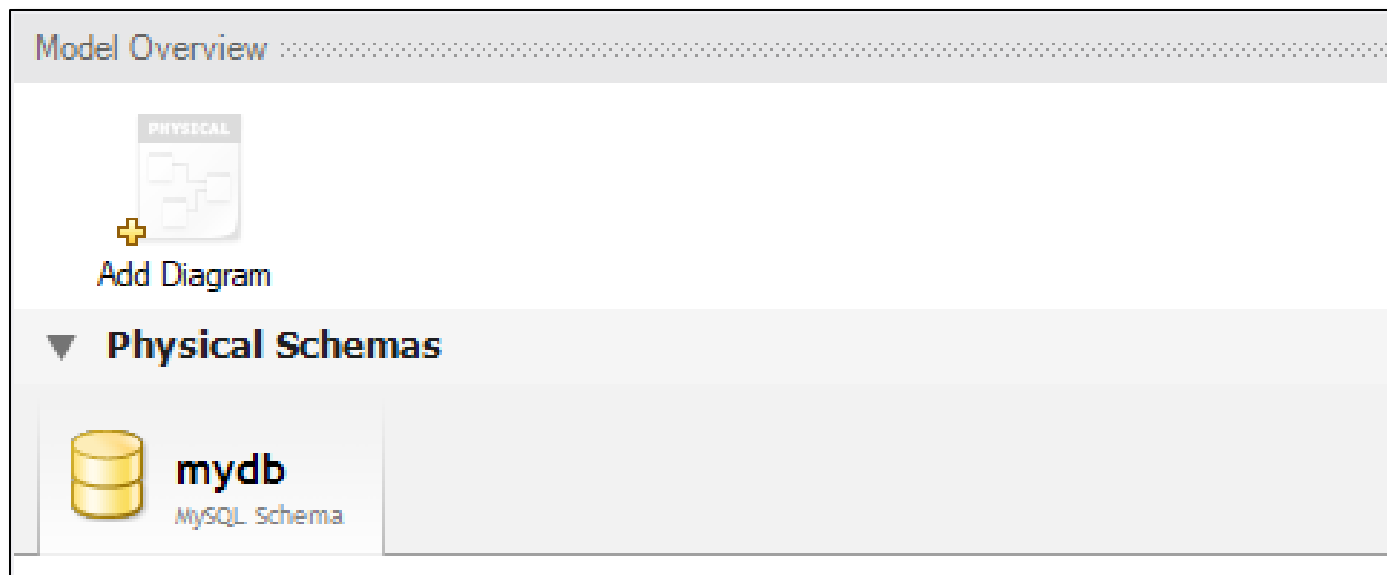




Para criar um novo **Modelo**, há duas formas diferentes:

- Clicar no **+** próximo a **Models**;
- Clicar em **<File>** e depois em **<New Model>**.

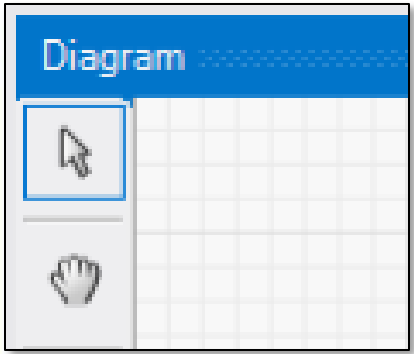




Neste momento, basta clicar
duas vezes no ícone ➡

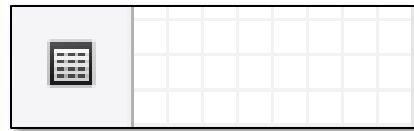


Dessa forma poderemos começar a montar
o **Diagrama** de entidade-relacionamento

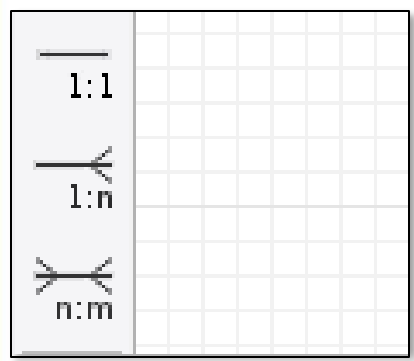


Cursor para seleção

Cursor para arrastar o fundo do diagrama e movimentá-lo



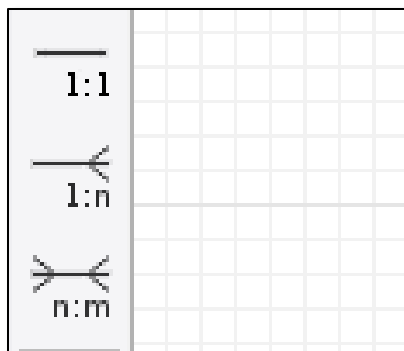
Criar uma nova tabela. Clique no ícone e depois no diagrama.



Estabelecer uma relação 1x1 entre duas tabelas.

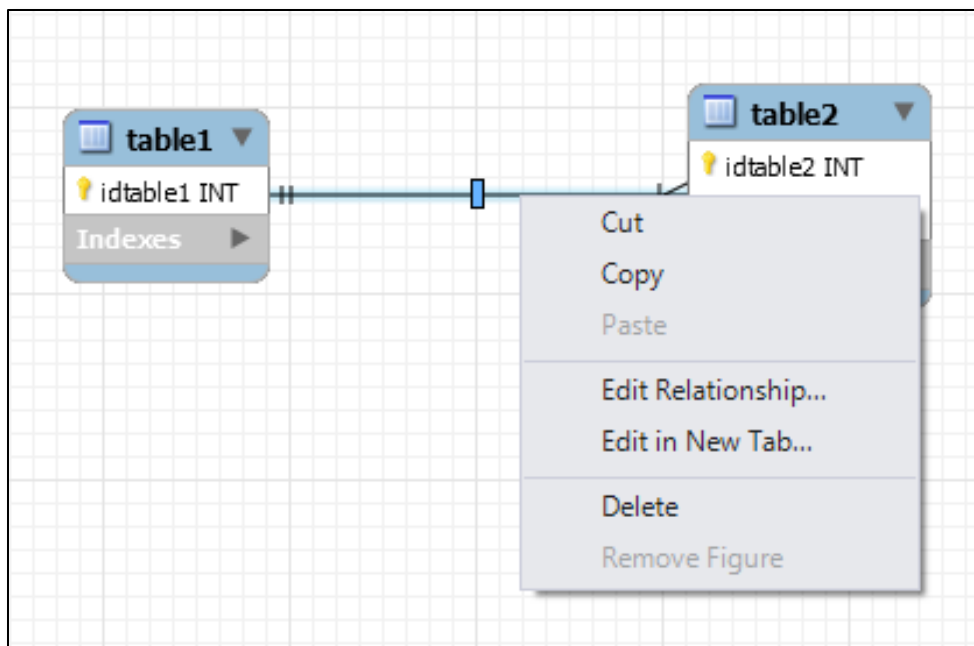
Estabelecer uma relação 1xN entre duas tabelas.

Estabelecer uma relação NxN entre duas tabelas.



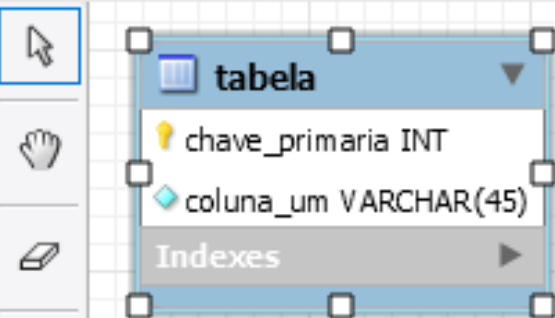
DETALHES IMPORTANTES

Ao estabelecer uma **relação 1xN** entre duas tabelas, **a primeira tabela selecionada** será a tabela de **multiplicidade N**.



Para **deletar uma relação**, basta clicar com o botão direito sobre ela, depois **<Delete>** e **<Delete>** novamente.

O mesmo vale para **deletar tabelas**. Botão direito sobre a tabela e selecione a opção **<Delete 'nome_da_tabela'>**



Clique duas vezes na tabela para mostrar suas opções

tabela - Table 

Table Name: `tabela`

tabela

Schema: mydb

[illegible]

tabela - Table

Table Name:

Schema: **mydb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
chave_primaria	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
coluna_um	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<div></div>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

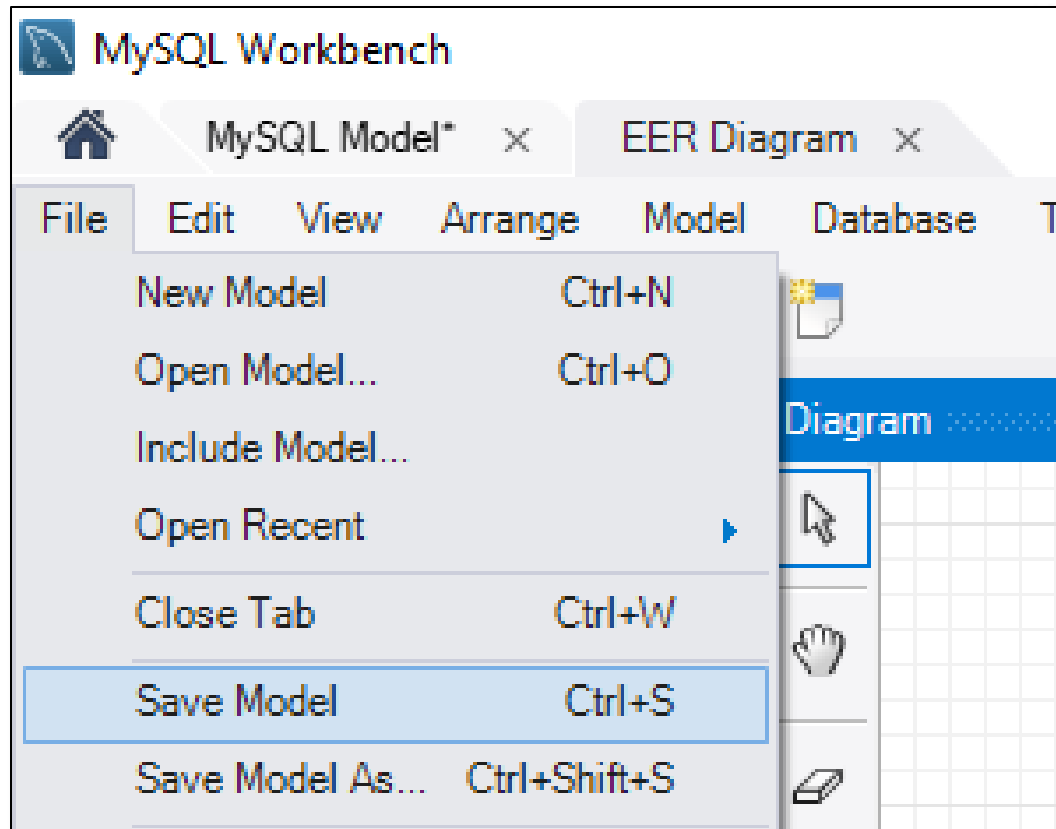
Alterar o tipo de dado da coluna

Define as opções da coluna

Clique duas vezes no espaço em branco para adicionar uma coluna

PK = chave primária;
NN = não pode ser vazia;
UQ = valor único;
 B = booleano;
 UN = sem parte negativa;
 ZF = preencher com zero;
AI = auto incrementado;
 G = gerada (não é entrada).

Salvando o modelo (*.mwb)



Bora arrasar na prova!

MySQL Workbench

