Tutorial para Download:

MySql Workbench

Download

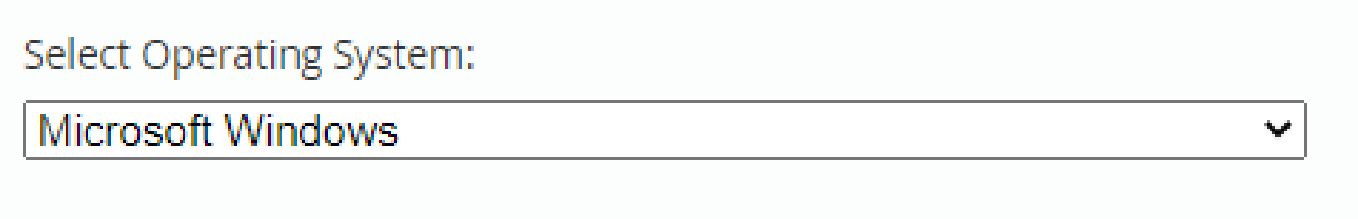
MySQL Server e Workbench
Versão 8 ou superior

- **Downloads:** https://dev.mysql.com/downloads/

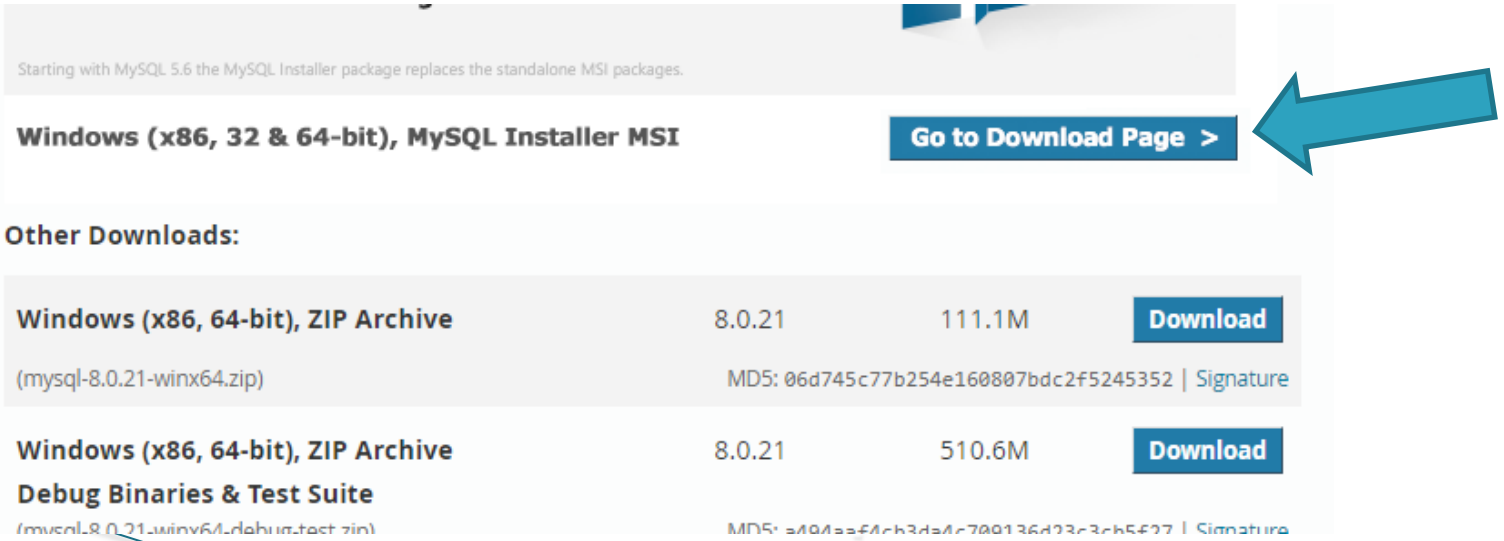
- MySQL Community Server
- MySQL Cluster
- MySQL Router
- MySQL Shell
- MySQL Workbench

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:



Instalando no Windows:



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Select Operating System:

Microsoft Windows

Looking for previous GA versions?

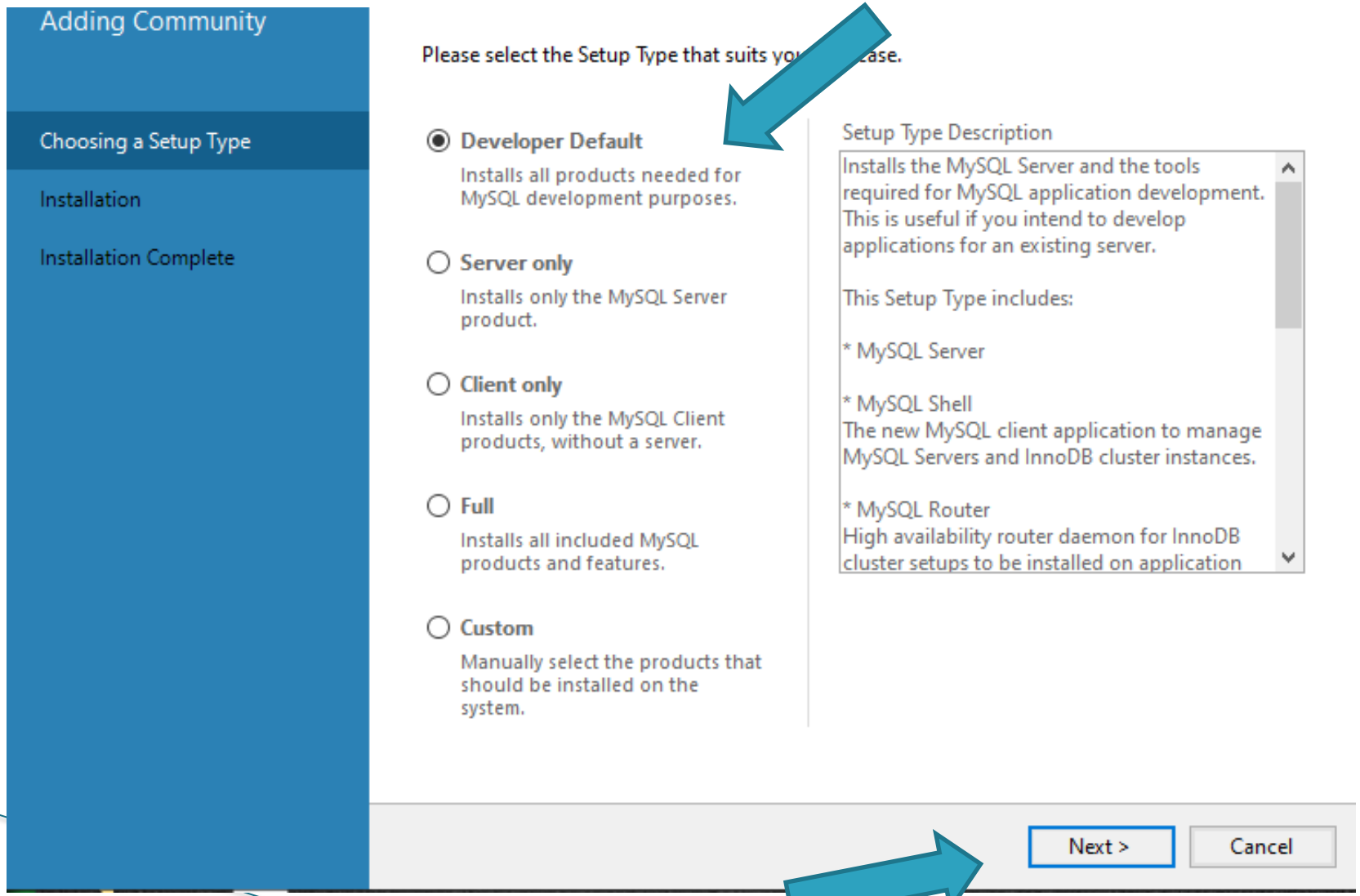
Windows (x86, 32-bit), MSI Installer	8.0.21	24.5M	Download
(mysql-installer-web-community-8.0.21.0.msi)	MD5: cf2b46ba35a4443f41fb8e94a0e91d93 | Signature		
Windows (x86, 32-bit), MSI Installer	8.0.21	427.6M	Download
(mysql-installer-community-8.0.21.0.msi)	MD5: b52294aa854356c266e9a9aec…a08 | Signature		

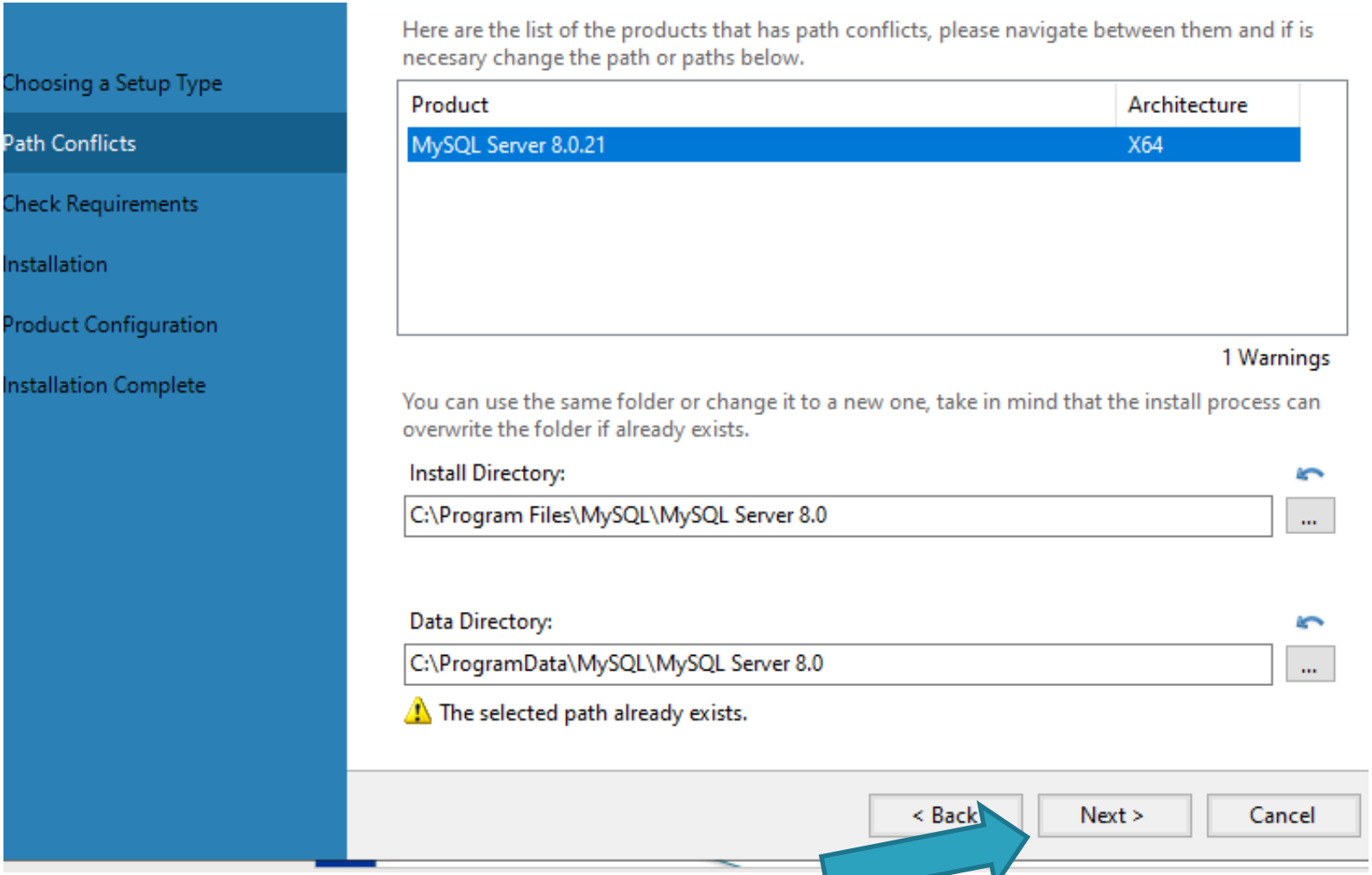
Login »
using my Oracle Web account

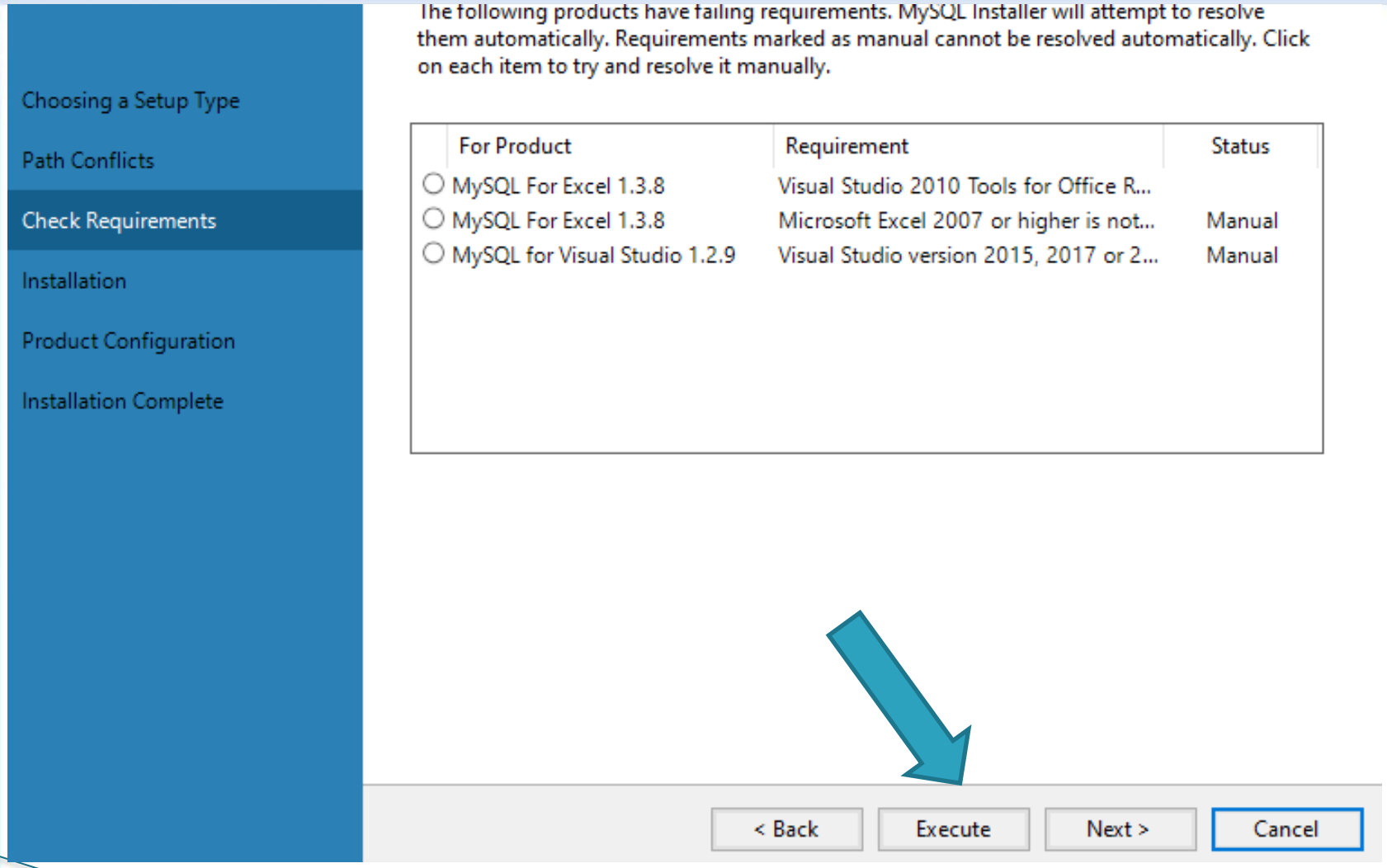
Sign Up »
for an Oracle Web account

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

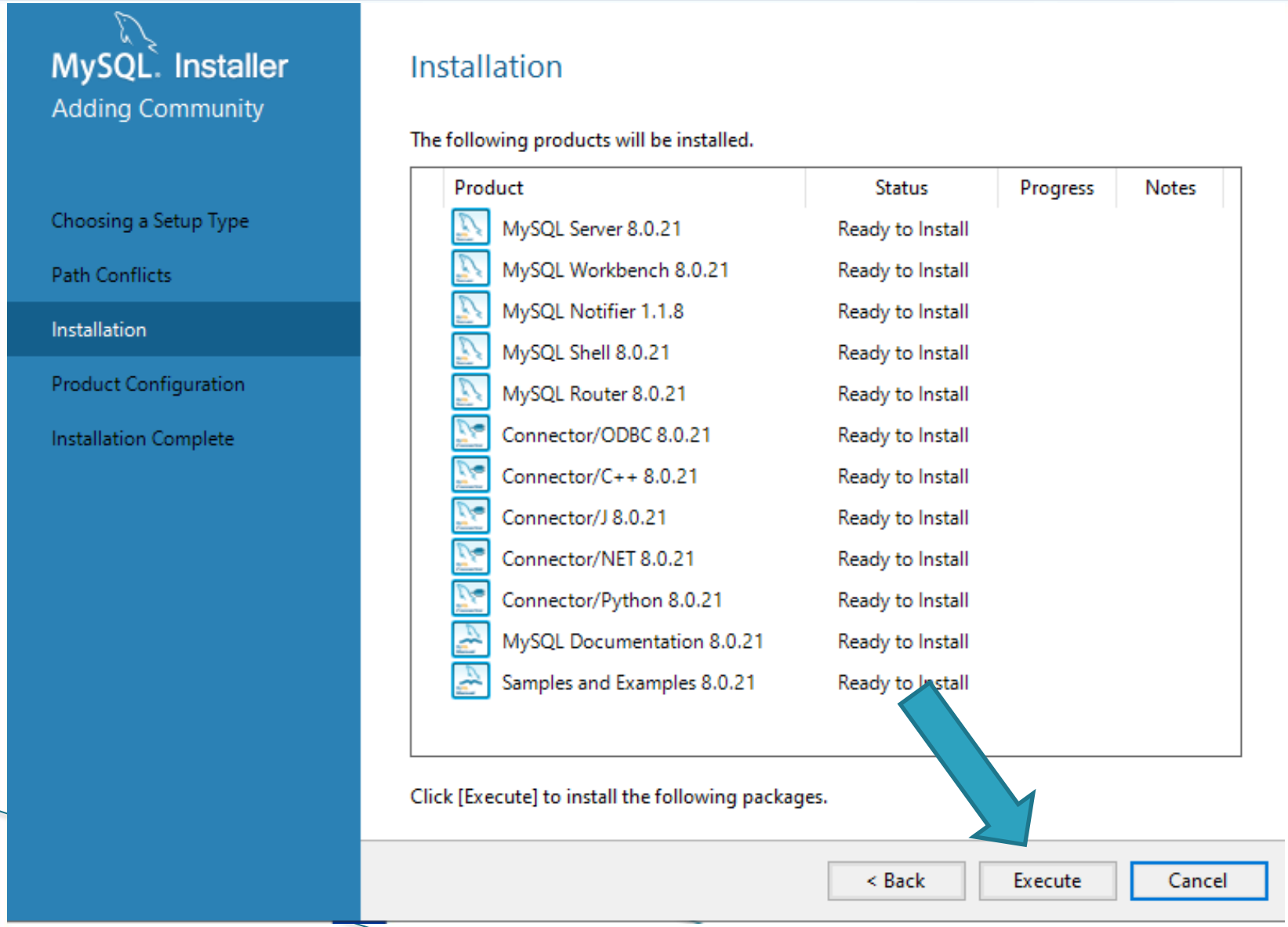
No thanks, just start my download.







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



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

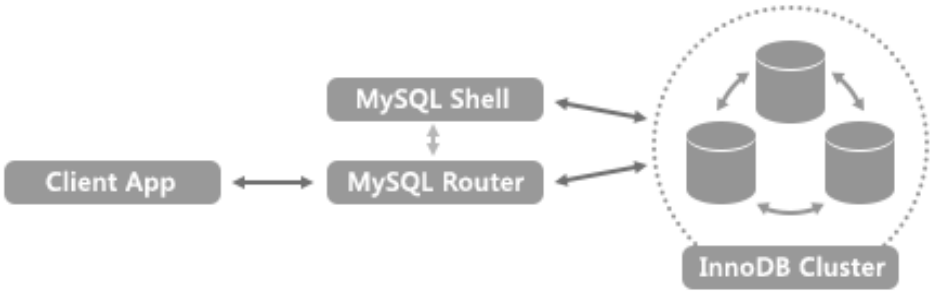
High Availability

(●) 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.

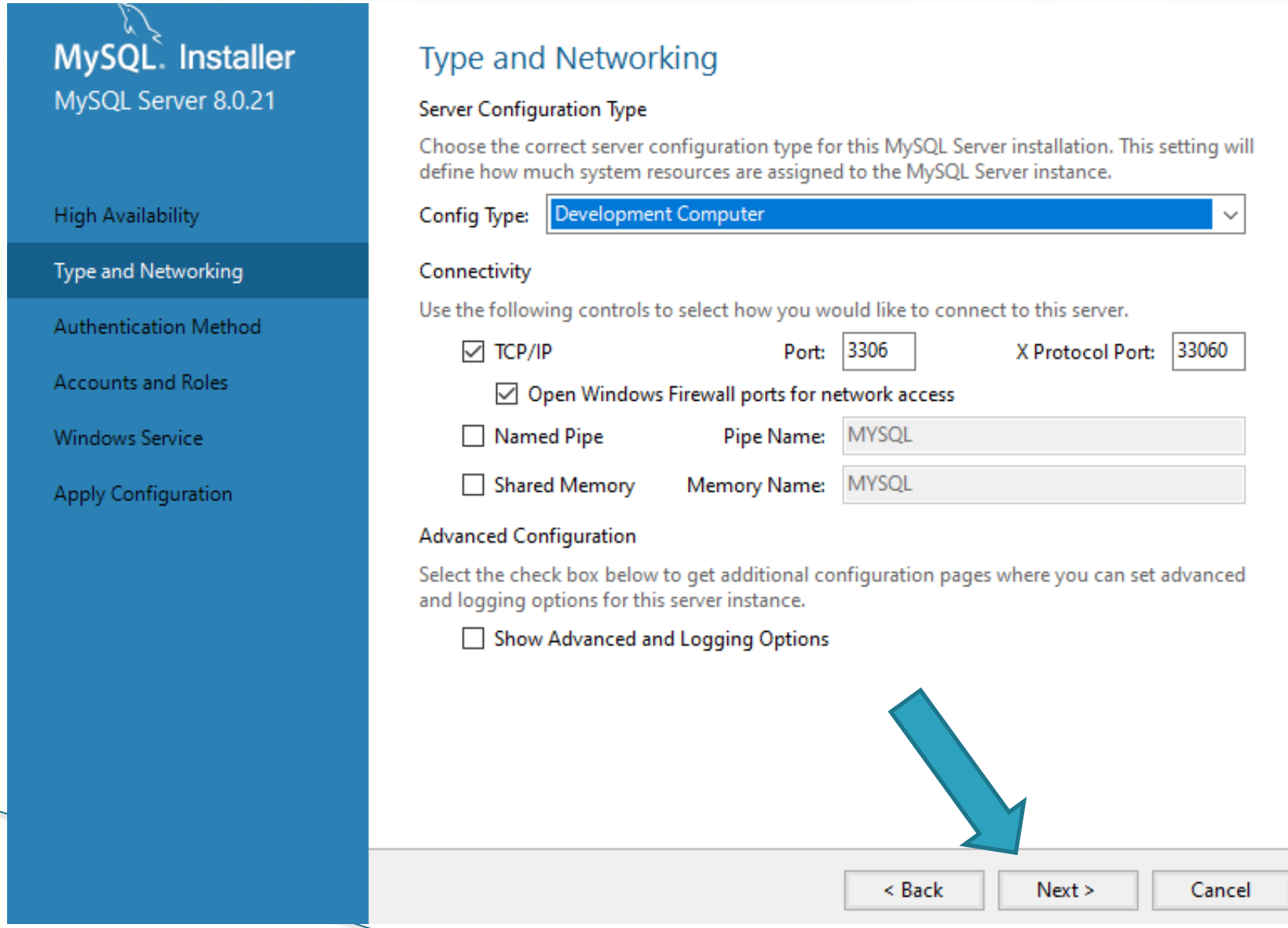
( ) InnoDB Cluster

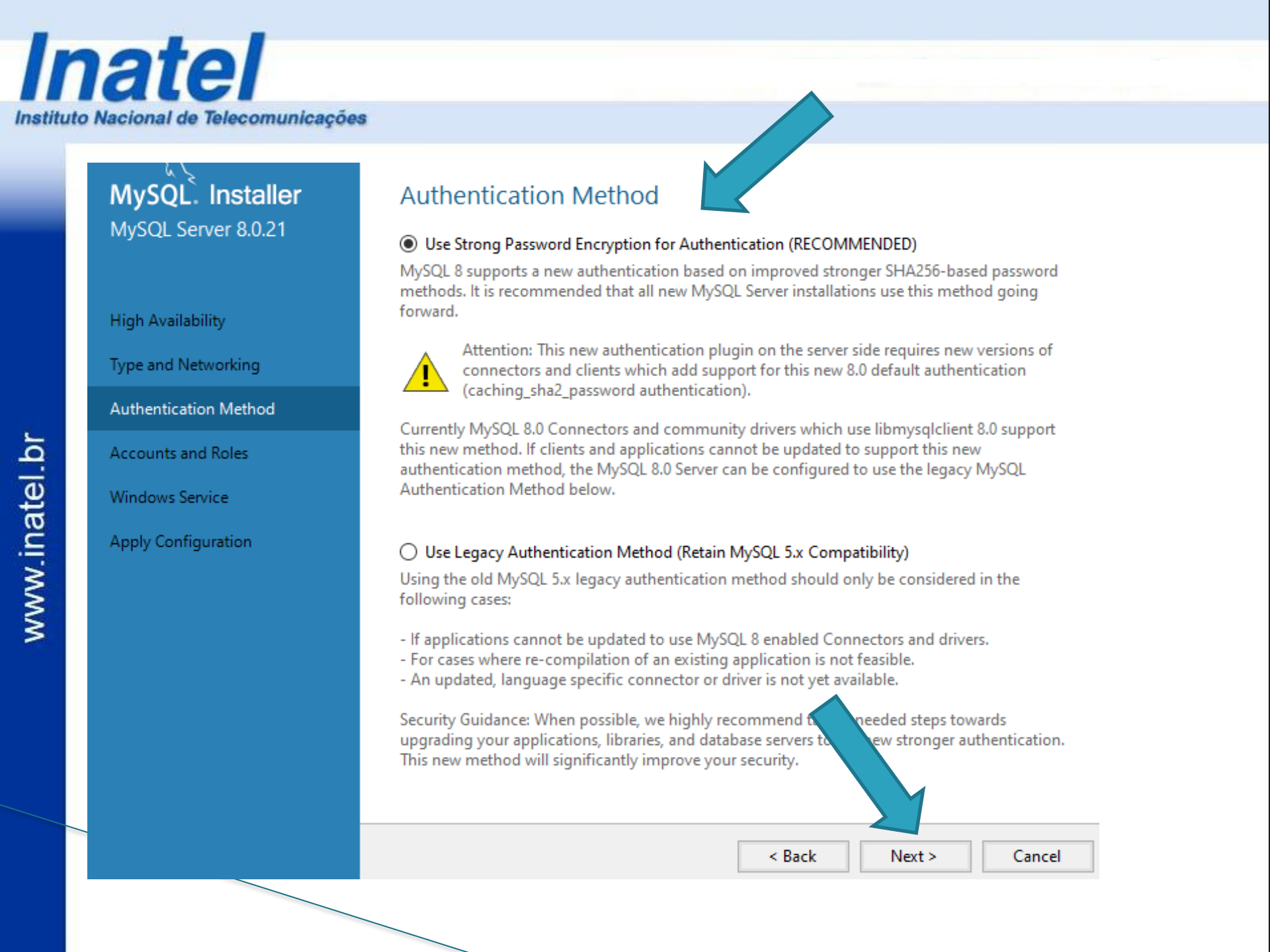
The InnoDB cluster technology provides an out-of-the-box high availability (HA) solution for MySQL using Group Replication.



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.

Next > Cancel





MySQL. Installer
MySQL Server 8.0.21

- High Availability
- Type and Networking
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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.

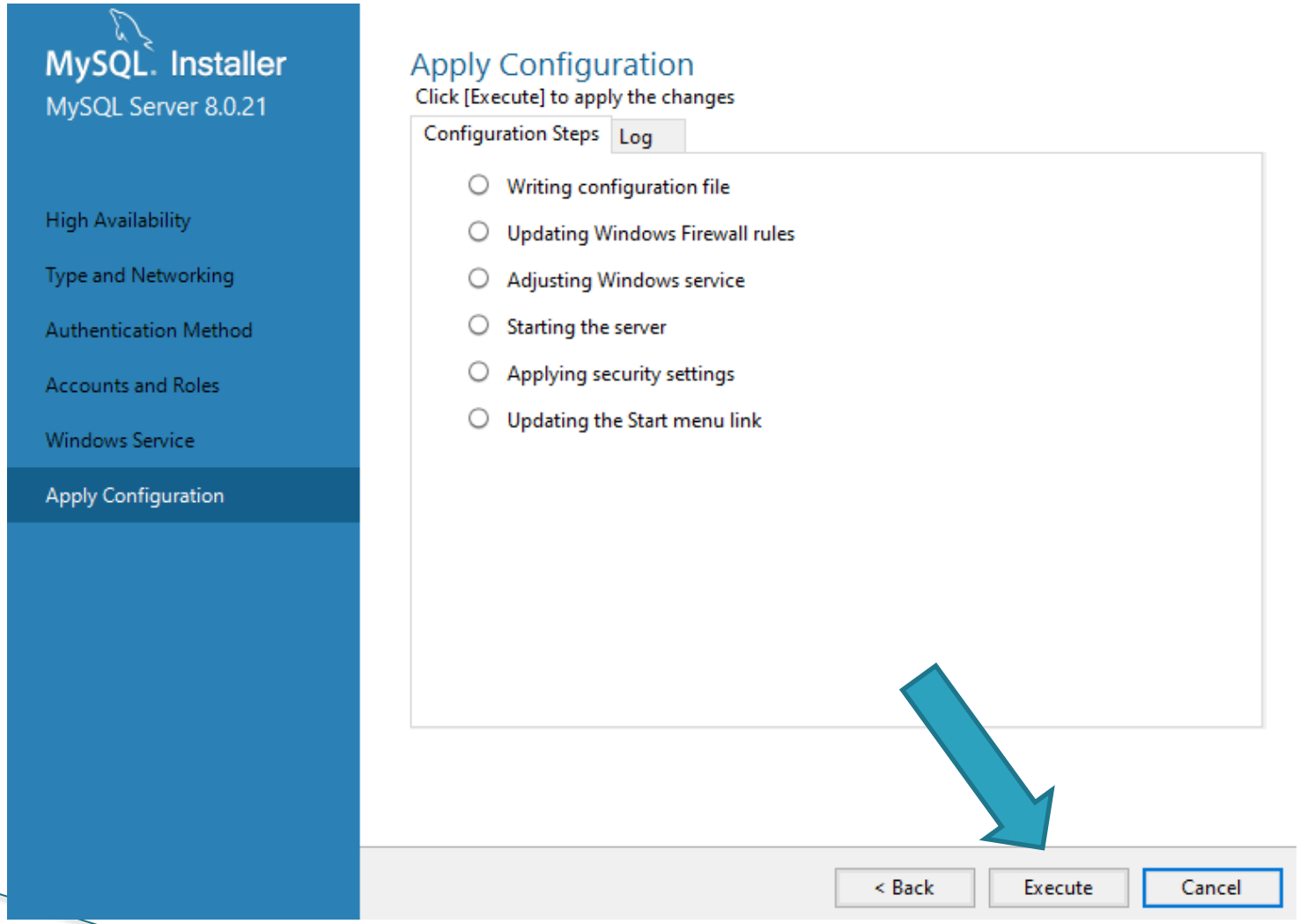
◉ Standard System Account

Recommended for most scenarios.

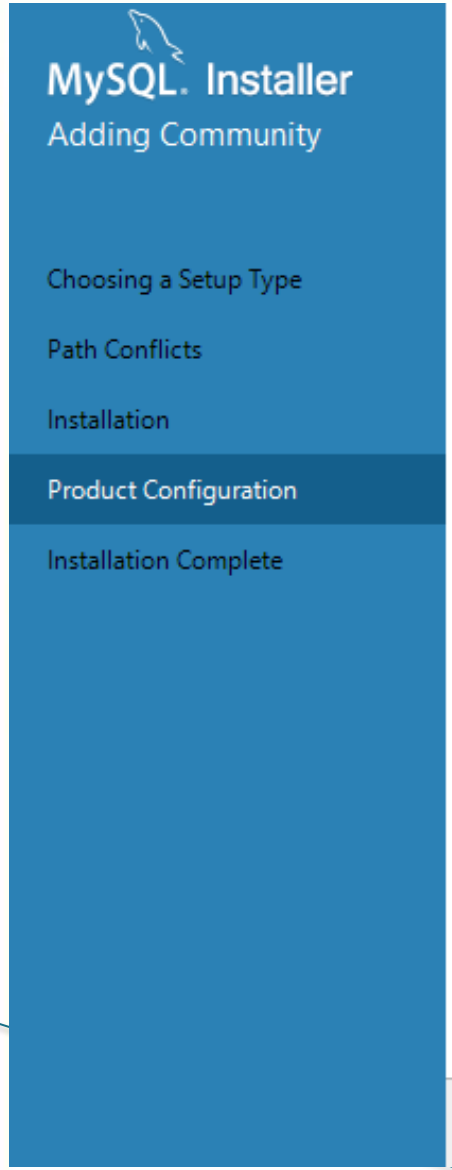
○ Custom User

An existing user account can be selected for advanced scenarios.

< Back | Next > | Cancel



Primeiro Execute e depois Finish



Product Configuration

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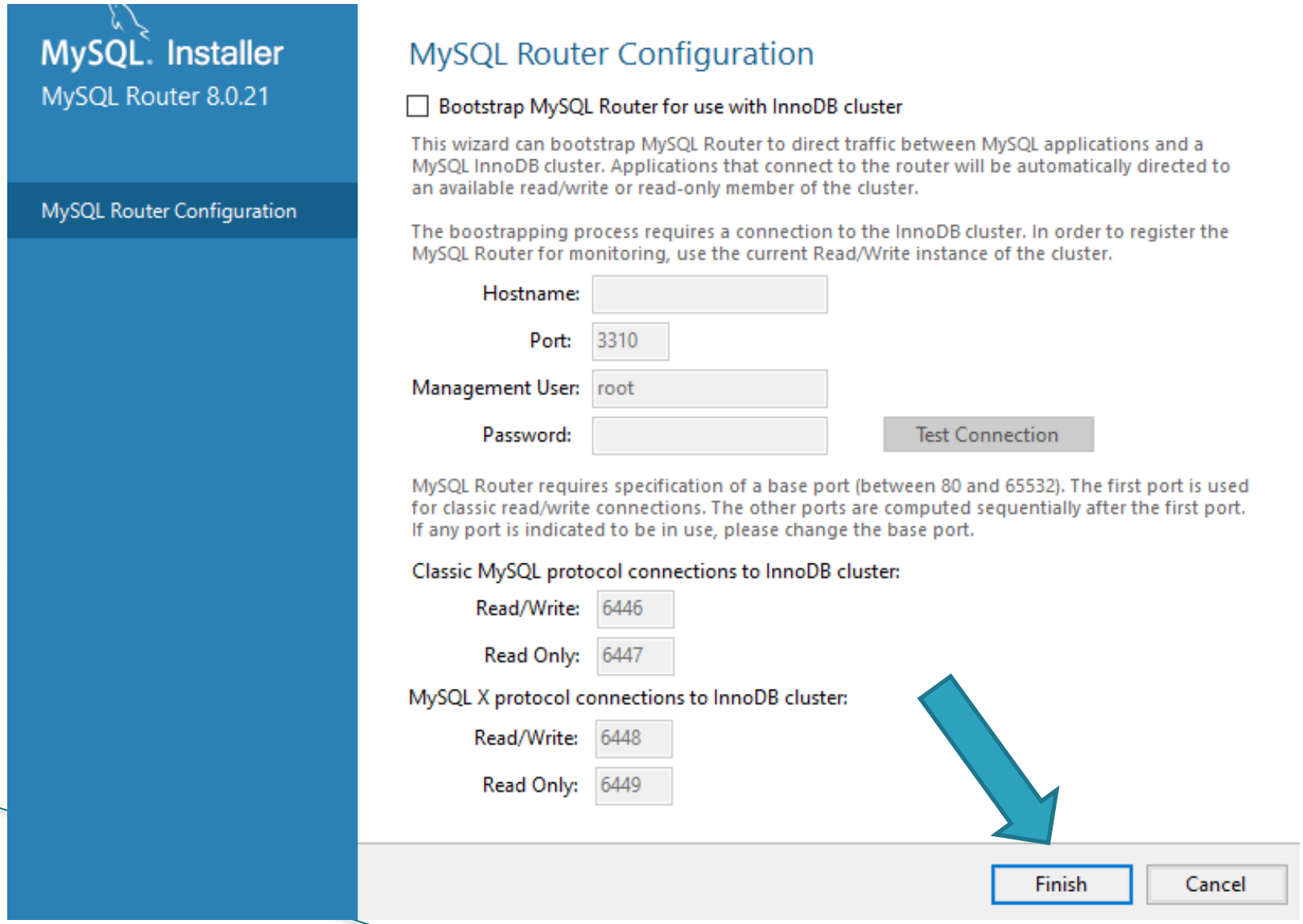

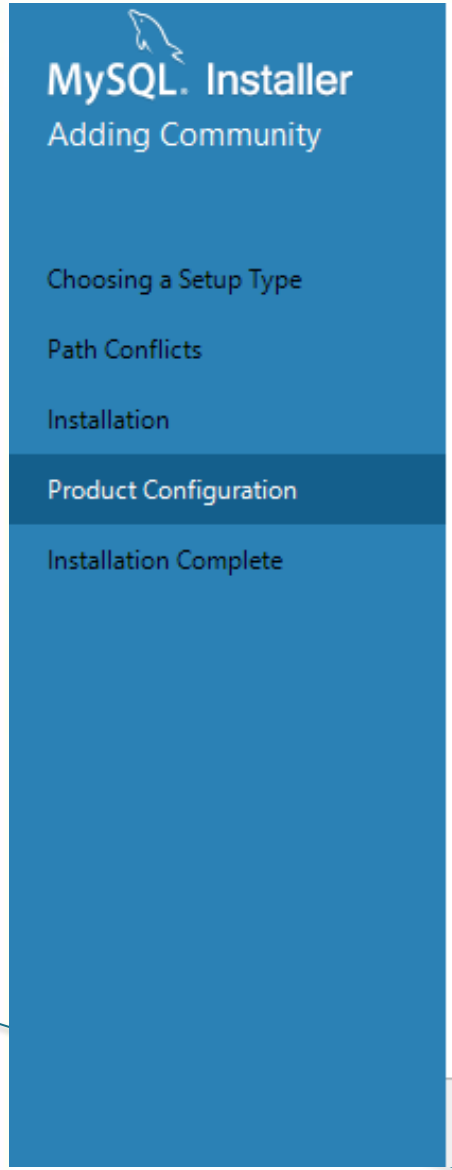

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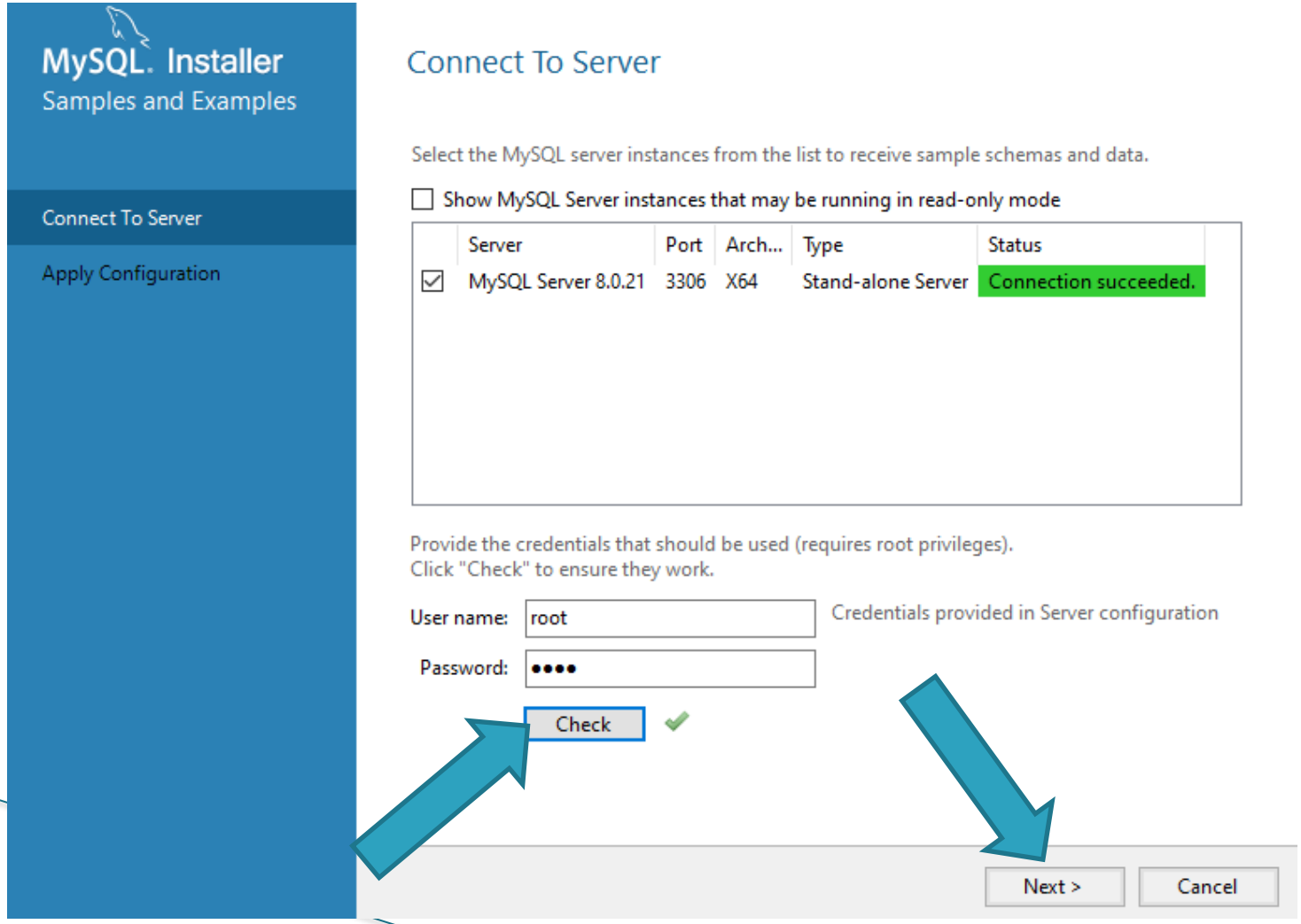
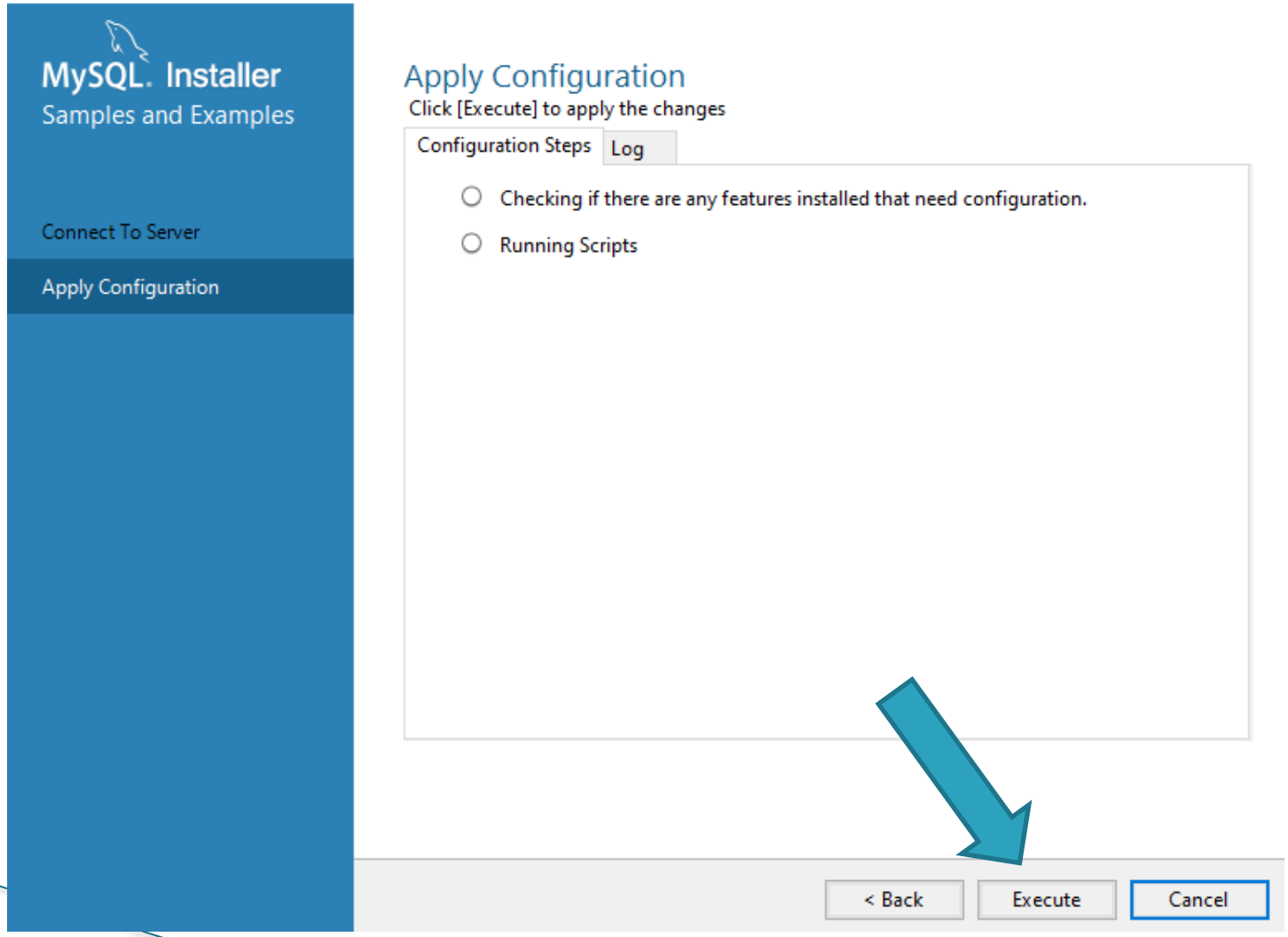
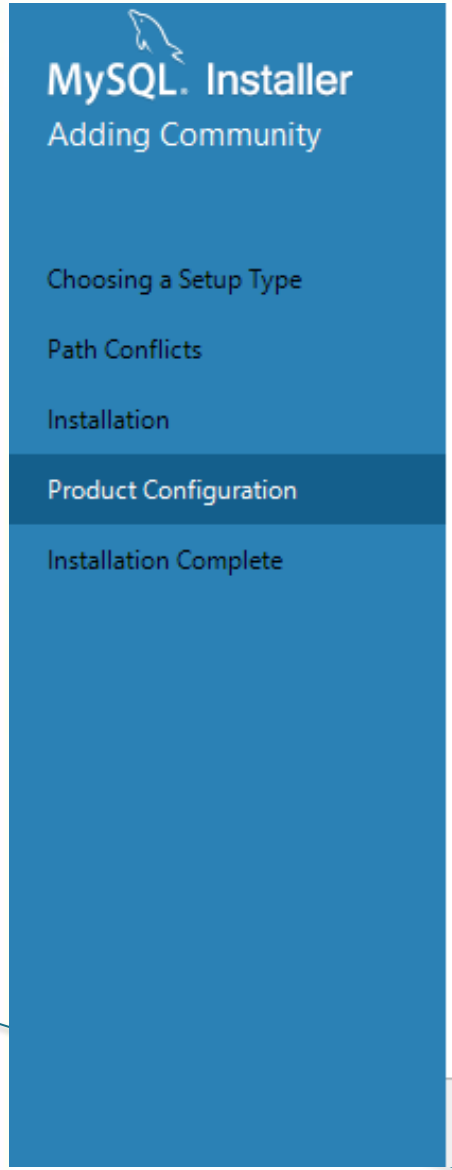
Coloque a senha criada e verifique em Check, depois clique em Next





Execute e depois Finish



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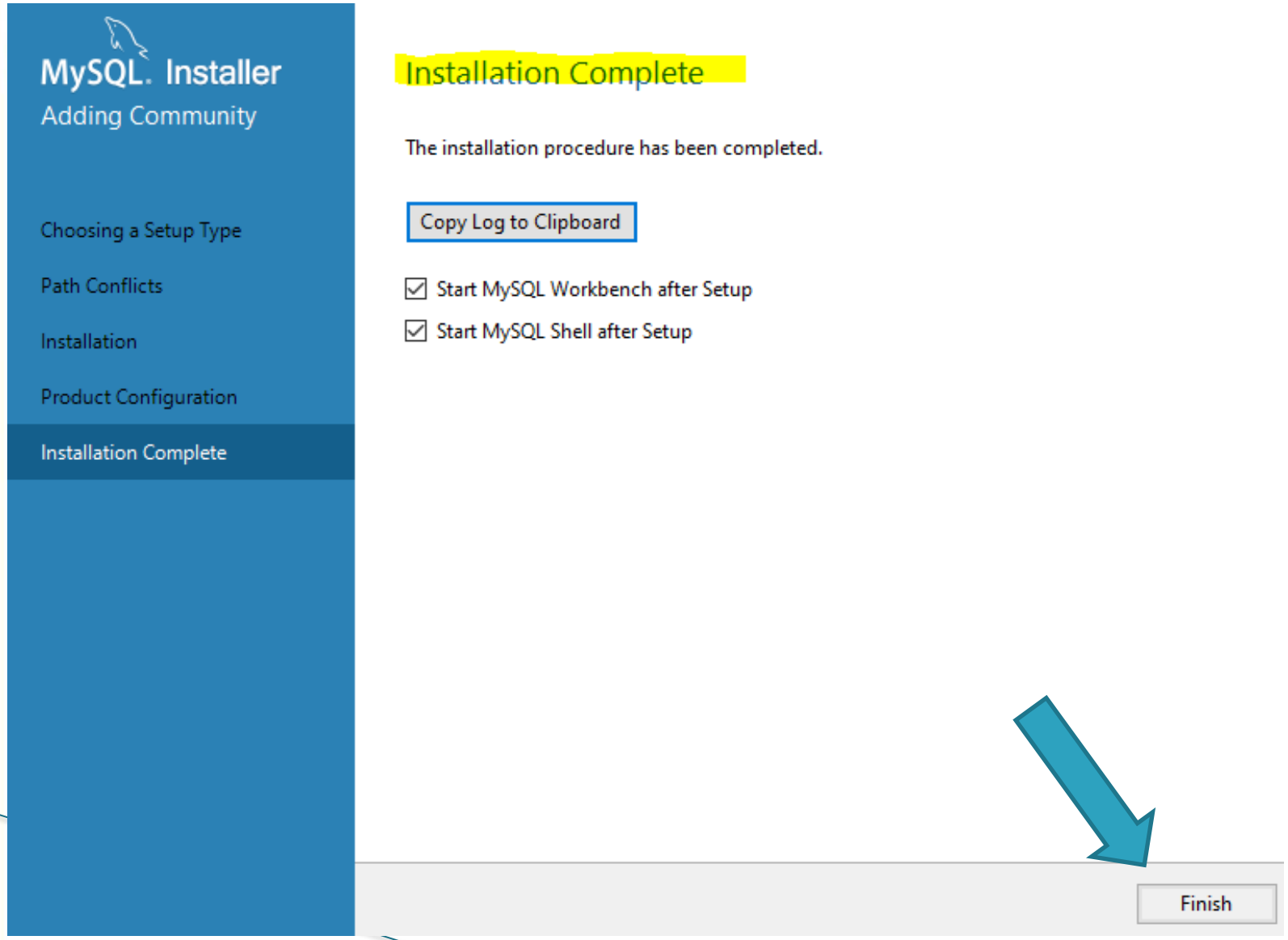


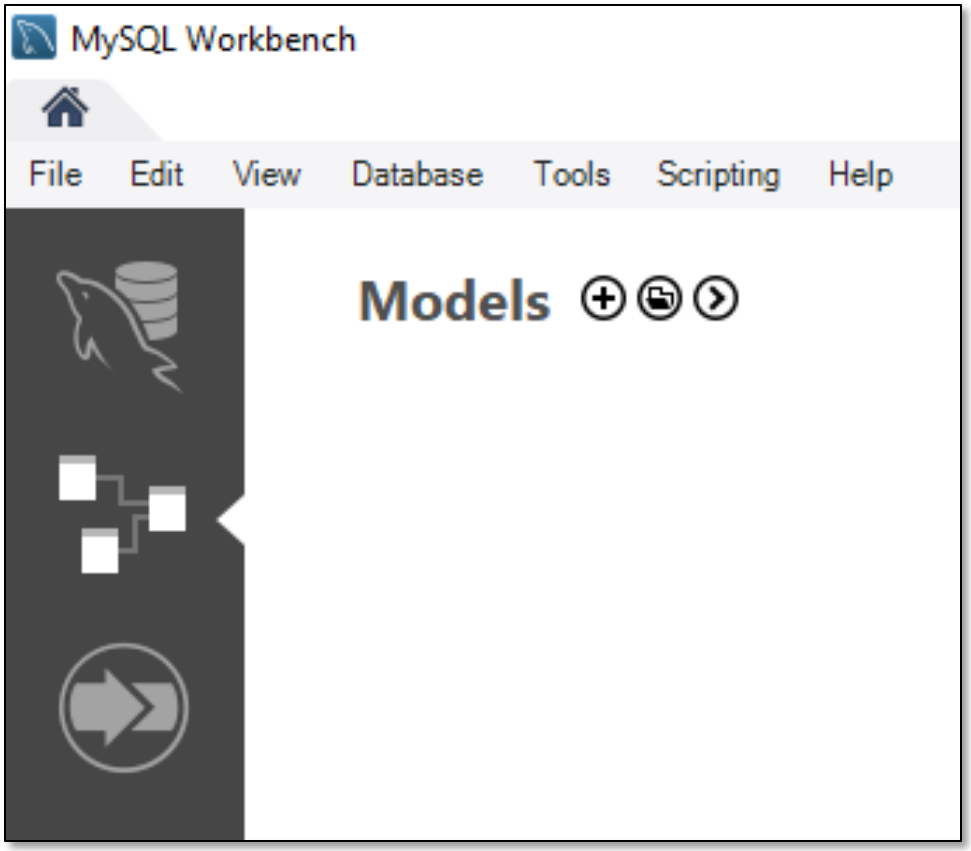
Instalação Completa

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

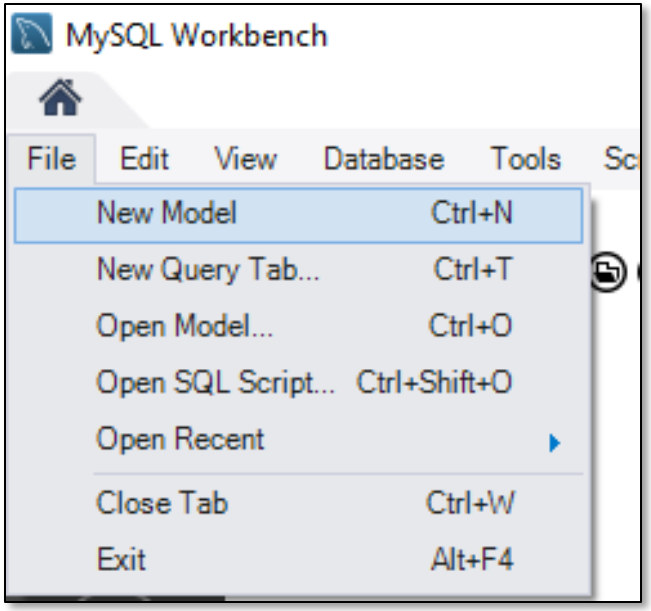
Iniciando com o

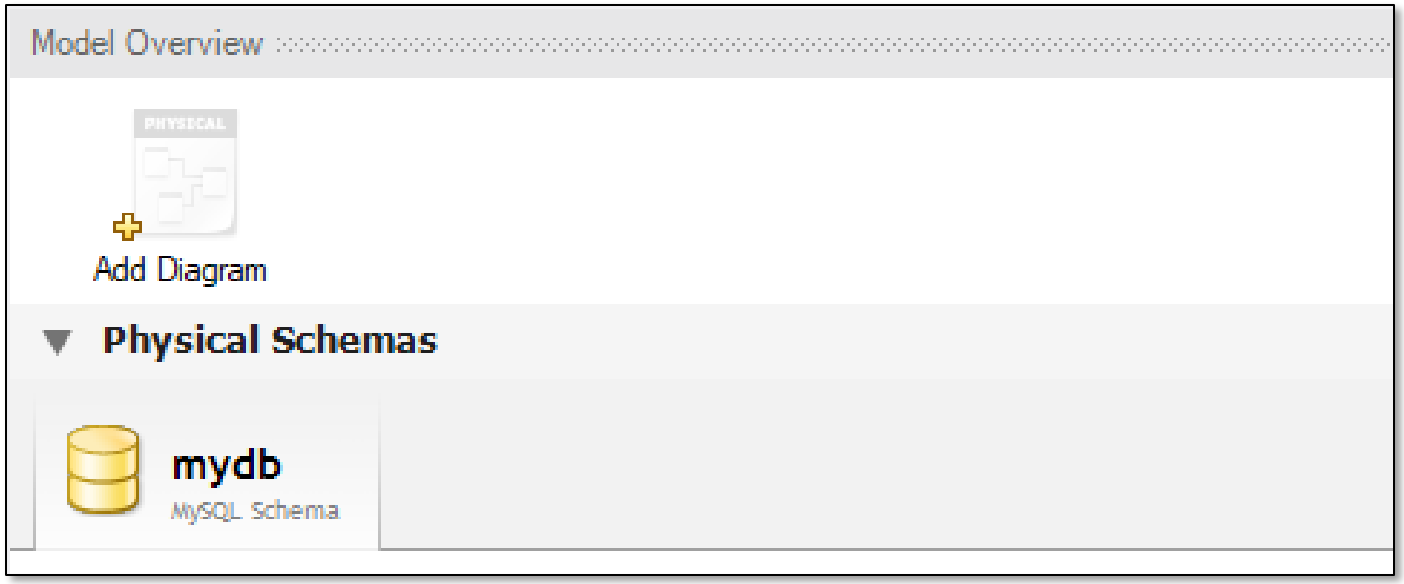
MySQL Workbench



Para criar um novo Modelo, há duas formas diferentes:

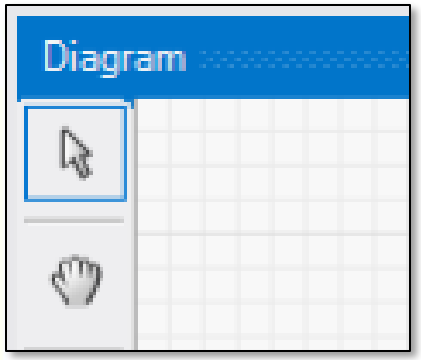
- Clicar no ⊕ próximo a ***Models***;
- Clicar em **<File>** e depois em **<New Model>**.





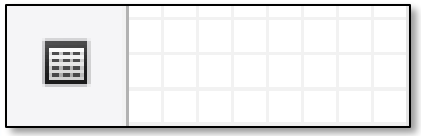
Neste momento, basta clicar duas vezes no ícone

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

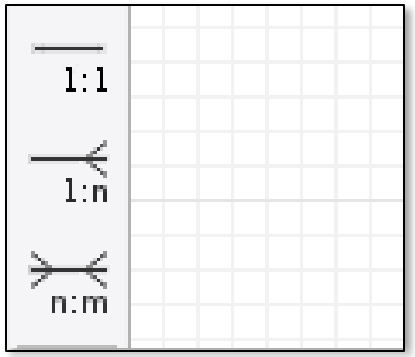


Cursor para seleção

Cursor para arrastar o fundo do diagrama e movimentá-lo



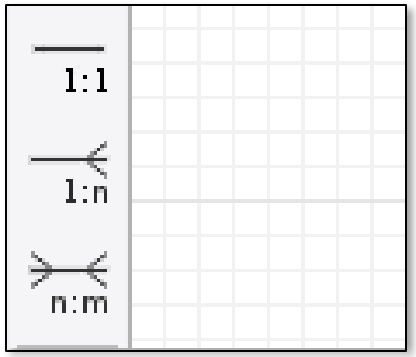
Criar uma nova tabela. Clique no ícone e depois no diagrama.



Estabelecer uma relação 1x1 entre duas tabelas.

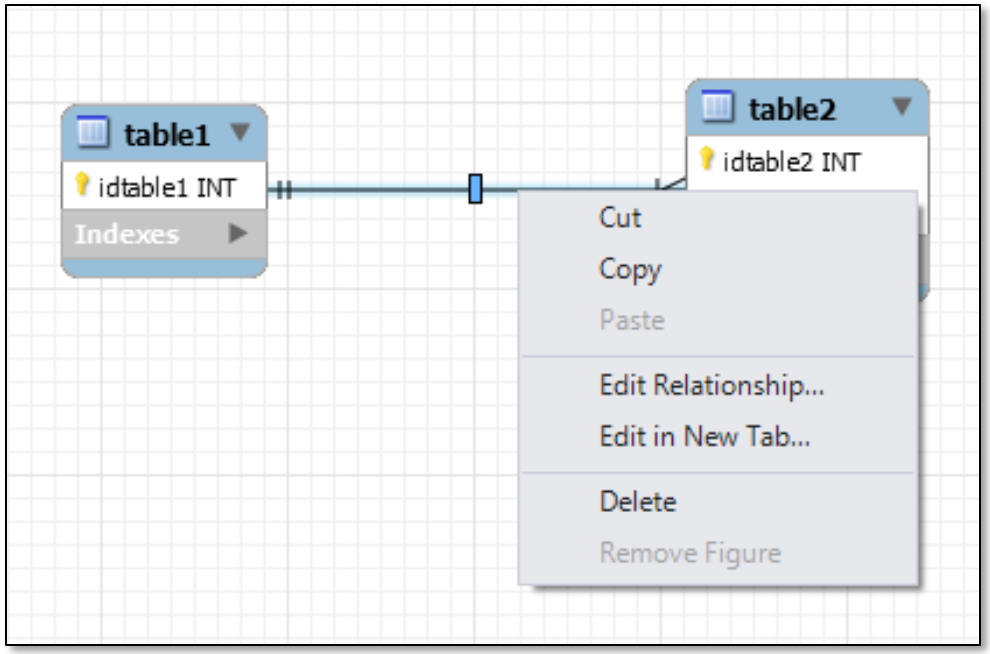
Estabelecer uma relação 1xN entre duas tabelas.

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'>**

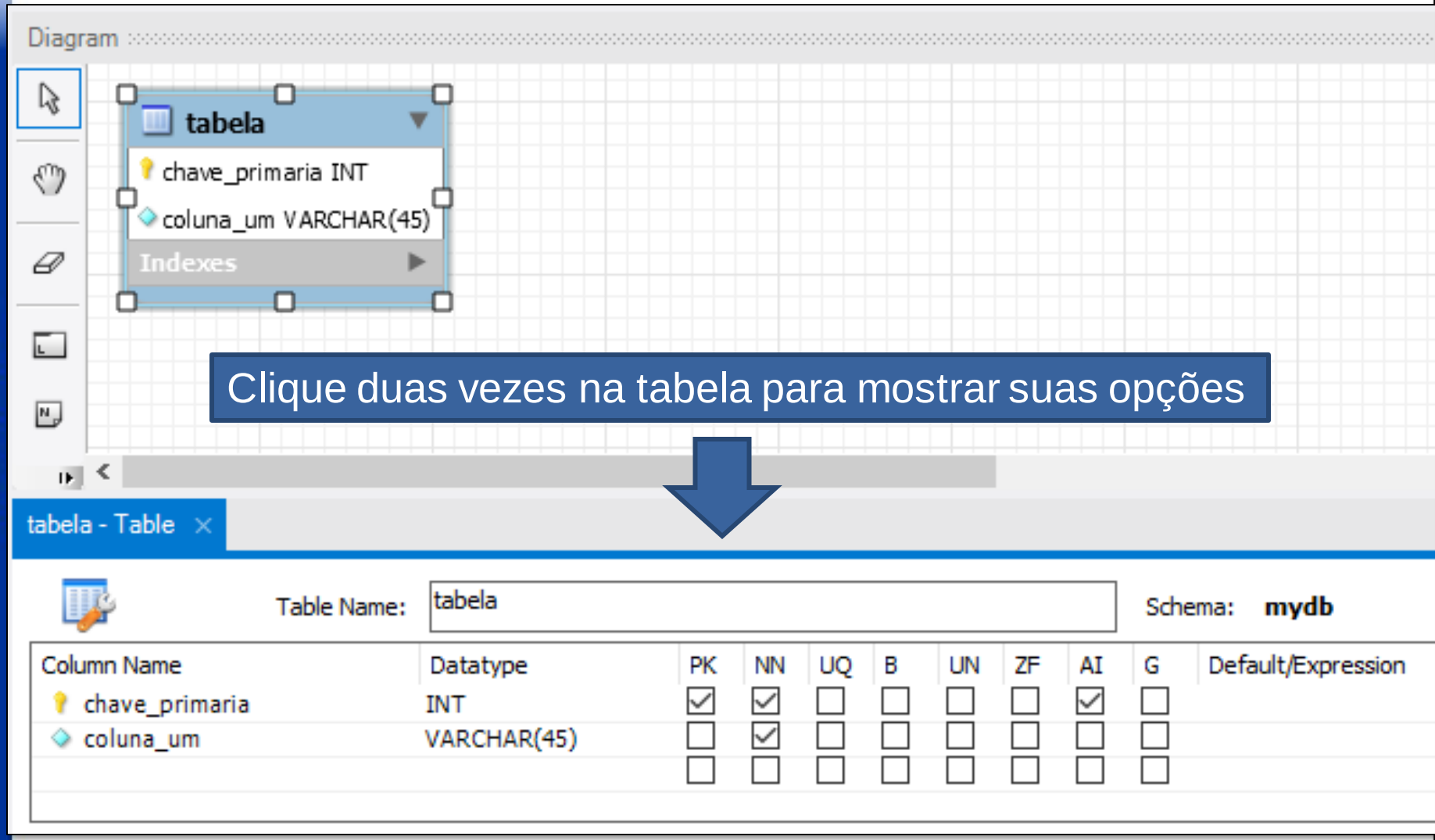
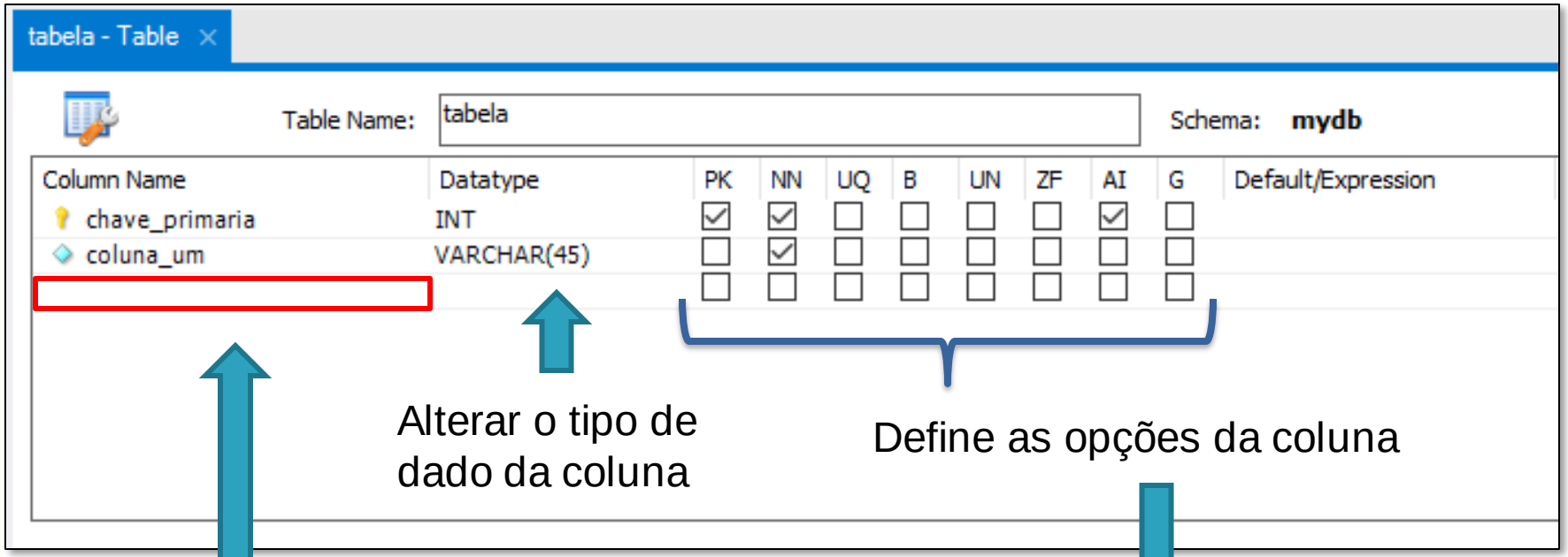


Diagram
tabela
chave_primaria INT
coluna_um VARCHAR(45)
Indexes
Clique duas vezes na tabela para mostrar suas opções
tabela - Table
Table Name:
tabela
Schema:
mydb
Column Name
Datatype
PK
NN
UQ
B
UN
ZF
AI
G
Default/Expression
chave_primaria
INT
coluna_um
VARCHAR(45)



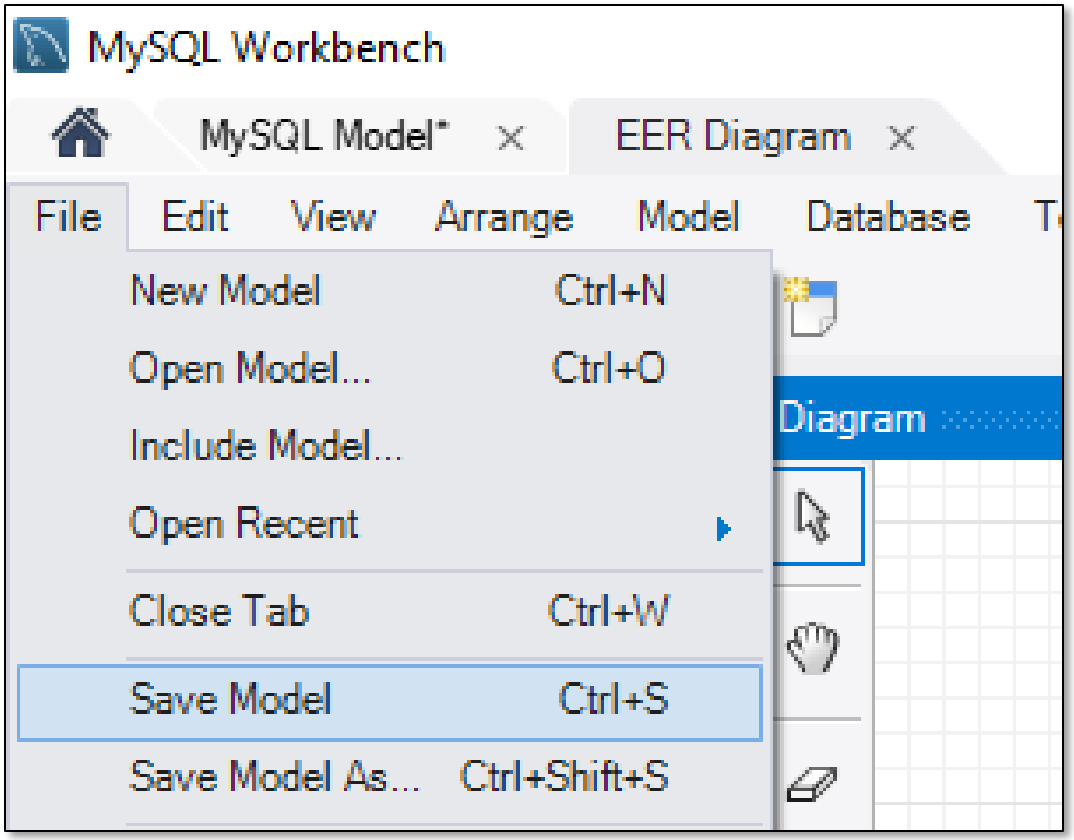
Alterar o tipo de dado da coluna

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