



Escola Superior de Tecnologia e Gestão
Instituto Politécnico da Guarda



Escola Superior de Tecnologia e Gestão
Instituto Politécnico da Guarda

FORWARD ENGINEER COM MYSQL WORKBENCH

José Carlos Fonseca, 2015

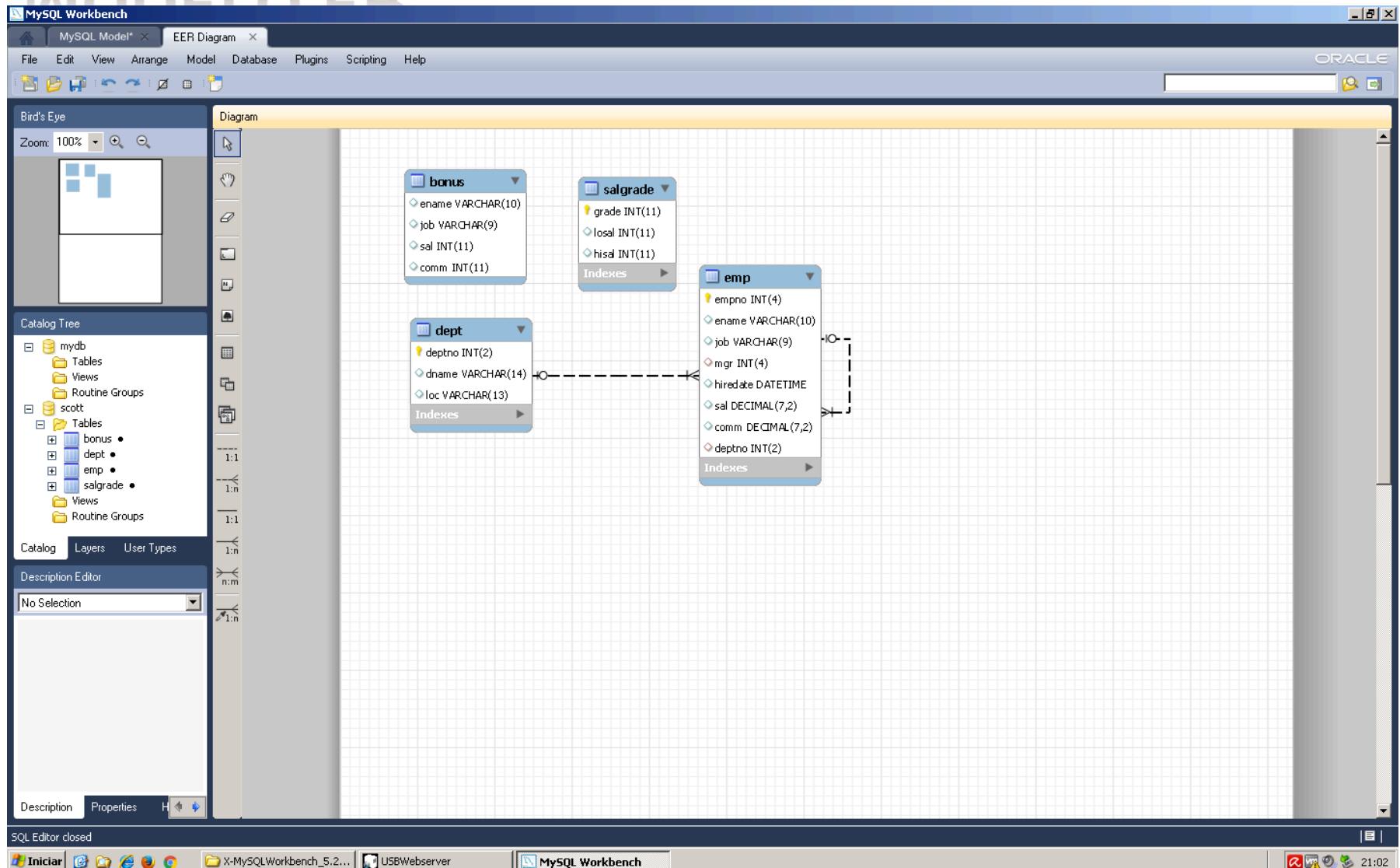


FORWARD ENGINEER COM MYSQL WORKBENCH

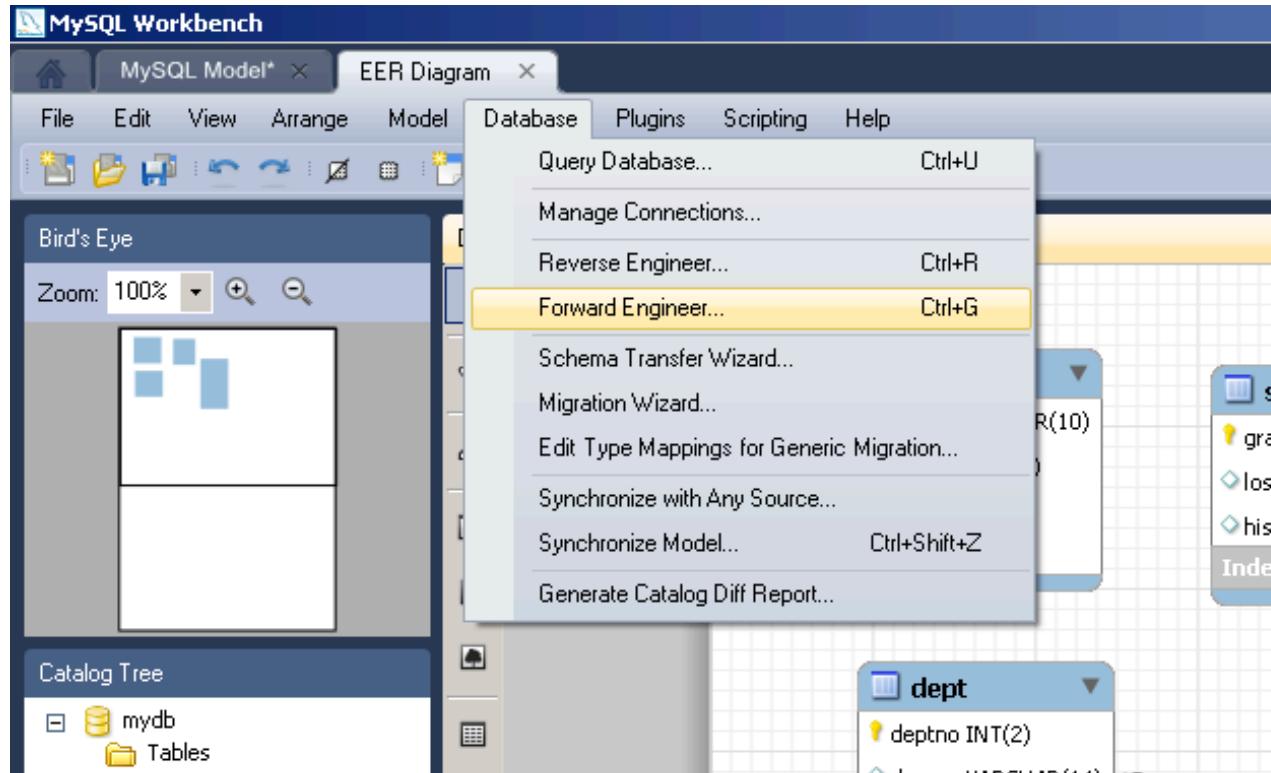
- ❑ No Forward Engineer começa-se pelo Modelo Relacional e, a partir dele, vai-se gerar:
 - ❑ O script de criação dos objectos
 - ❑ Os objectos directamente na base de dados



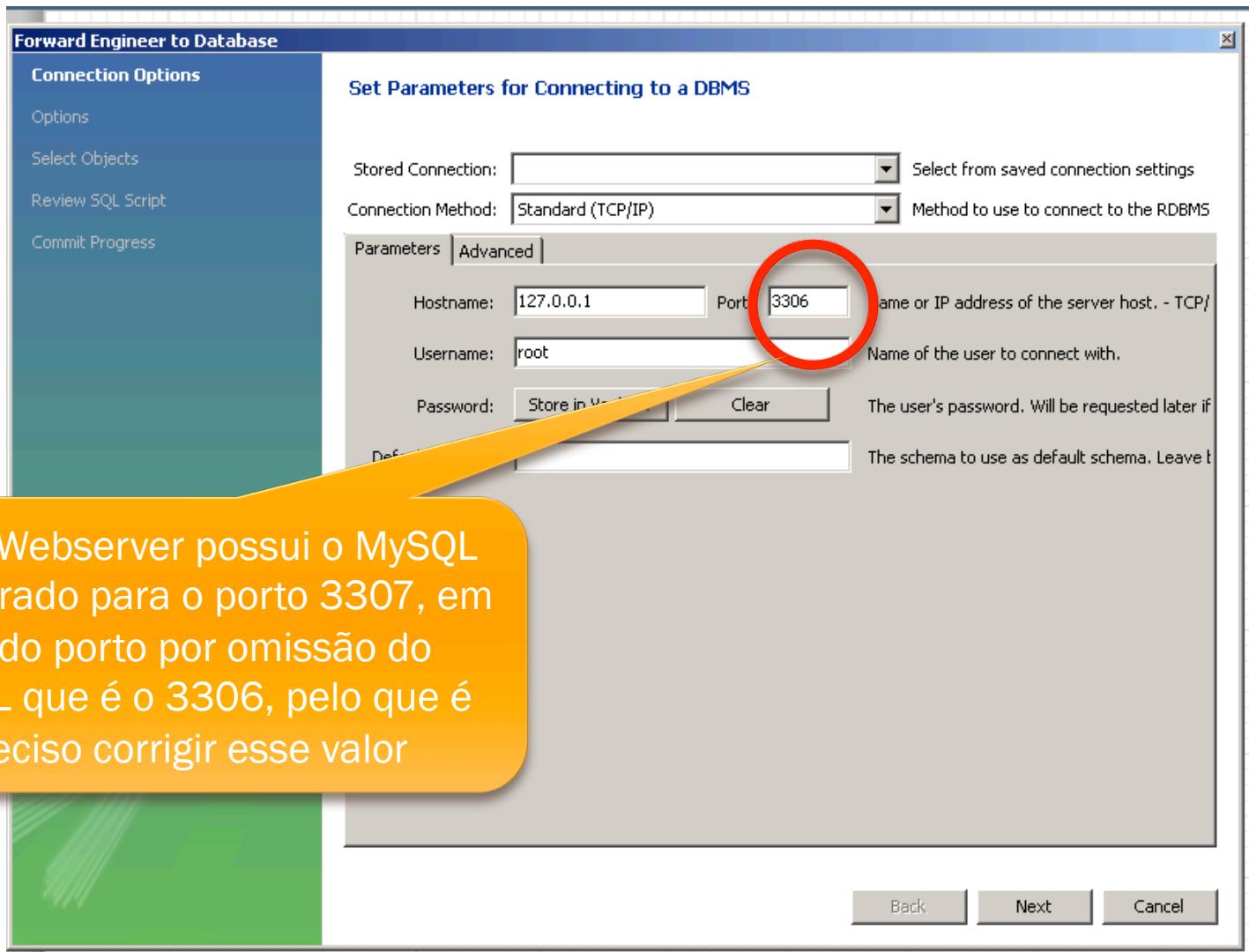
MODELO ER



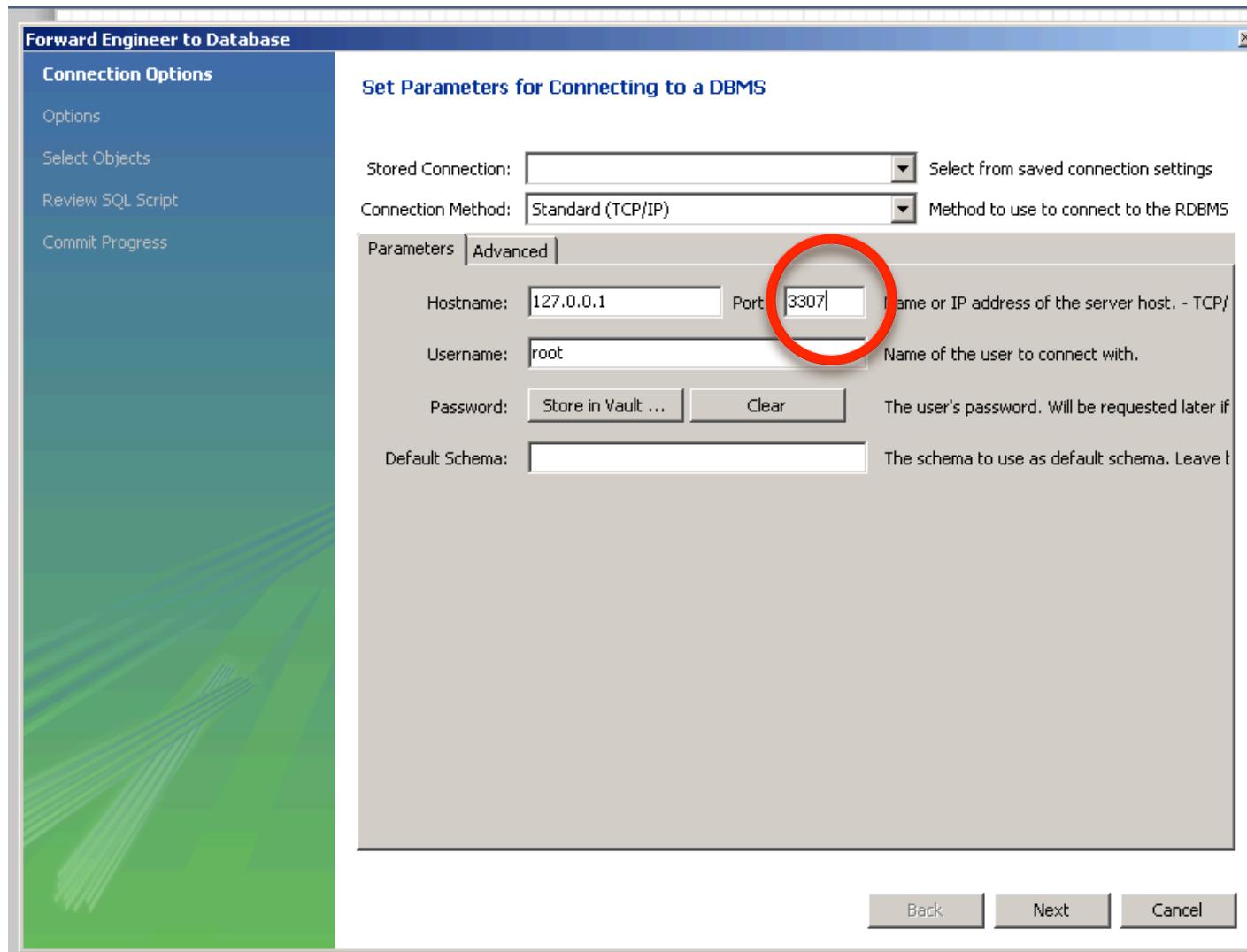
ESCOLHER O FORWARD ENGINEER



OPÇÕES DE LIGAÇÃO



PORTO DO MYSQL





OPTIONS

Forward Engineer to Database

Connection Options
Options
Select Objects
Review SQL Script
Commit Progress

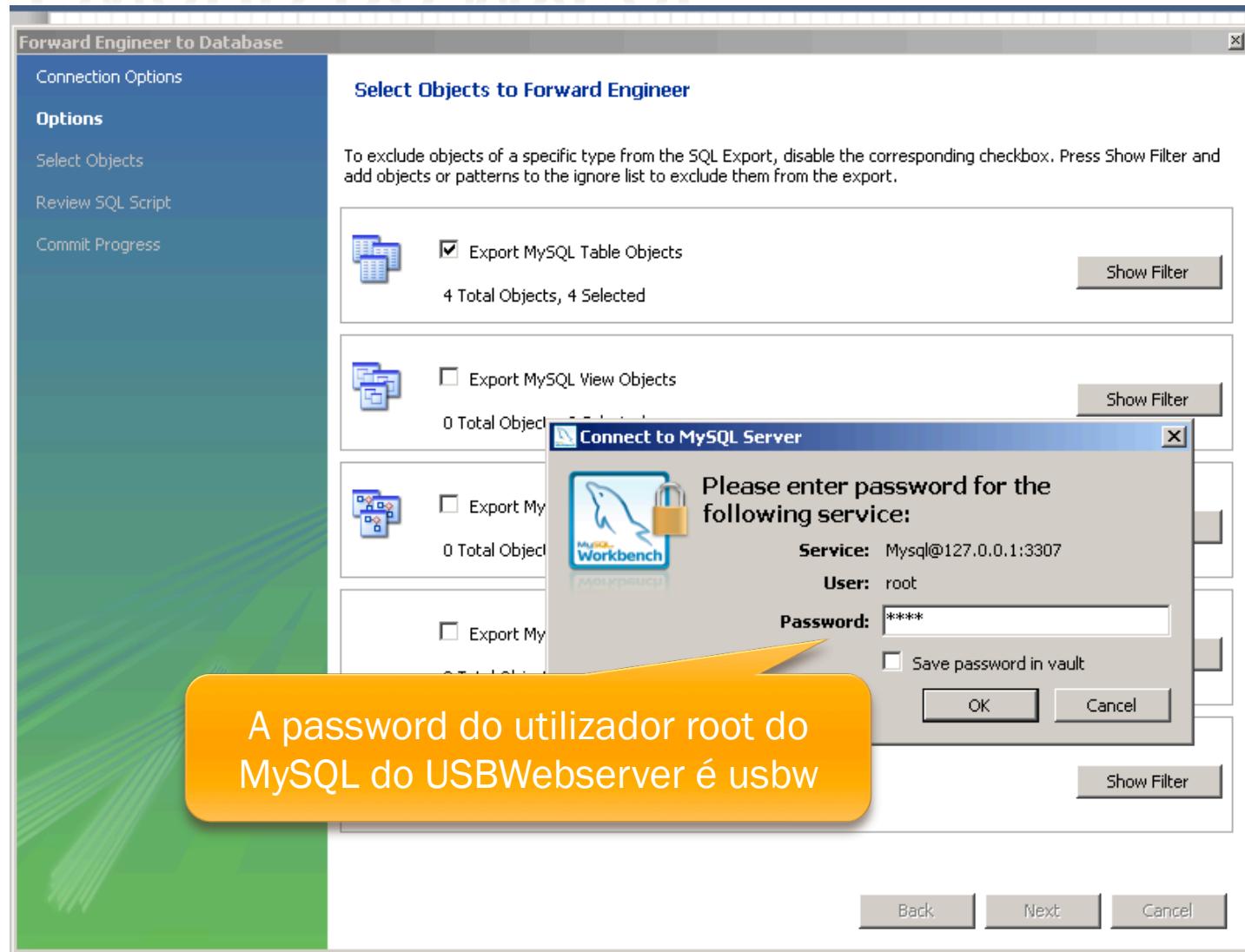
Set Options for Database to be Created

Options

- DROP Objects Before Each CREATE Object
- Generate DROP SCHEMA
- Skip creation of FOREIGN KEYS
- Skip creation of FK Indexes as well
- Omit Schema Qualifier in Object Names
- Generate USE statements
- Generate Separate CREATE INDEX Statements
- Add SHOW WARNINGS After Every DDL Statement
- Do Not Create Users. Only Create Privileges (GRANTs)
- Generate INSERT Statements for Tables

Back Next Cancel

PASSWORD DO MYSQL



ESCOLHA DOS OBJECTOS A EXPORTAR

Forward Engineer to Database

Select Objects to Forward Engineer

To exclude objects of a specific type from the SQL Export, disable the corresponding checkbox. Press Show Filter and add objects or patterns to the ignore list to exclude them from the export.

Export MySQL Table Objects Show Filter
4 Total Objects, 4 Selected

Export MySQL View Objects Show Filter
0 Total Objects, 0 Selected

Export MySQL Routine Objects Show Filter
0 Total Objects, 0 Selected

Export MySQL Trigger Objects Show Filter
0 Total Objects, 0 Selected

Export User Objects Show Filter
0 Total Objects, 0 Selected

Back **Next** **Cancel**



SCRIPT SQL DE CRIAÇÃO DOS OBJECTOS

Forward Engineer to Database

Connection Options
Options
Select Objects
Review SQL Script
Commit Progress

Review the SQL Script to be Executed

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='TRADITIONAL,ALLOW_INVALID_DATES';

CREATE SCHEMA IF NOT EXISTS `scott` DEFAULT CHARACTER SET latin1 ;
USE `scott` ;

-- -----
-- Table `scott`.`bonus`
-- -----
CREATE TABLE IF NOT EXISTS `scott`.`bonus` (
  `ename` VARCHAR(10) NULL DEFAULT NULL ,
  `job` VARCHAR(9) NULL DEFAULT NULL ,
  `sal` INT(11) NULL DEFAULT NULL ,
  `comm` INT(11) NULL DEFAULT NULL )
ENGINE = InnoDB
DEFAULT CHARACTER SET = latin1;

-- -----
-- Table `scott`.`dept`
-- -----
CREATE TABLE IF NOT EXISTS `scott`.`dept` (
  `deptno` INT(2) NOT NULL ,
  `dname` VARCHAR(14) NULL DEFAULT NULL ,
  `loc` VARCHAR(13) NULL DEFAULT NULL ,
  PRIMARY KEY (`deptno`))
ENGINE = InnoDB
DEFAULT CHARACTER SET = latin1;
```

Save to File... Copy to Clipboard

Back Next Cancel



FINAL DO PROCESSO

Forward Engineer to Database

- Connection Options
- Options
- Select Objects
- Review SQL Script
- Commit Progress**

Forward Engineering Progress

The following tasks will now be executed. Please monitor the execution.
Press Show Logs to see the execution logs.

Connect to DBMS
 Execute Forward Engineered Script

Forward Engineer Finished Successfully

Show Logs **Back** **Close** **Cancel**



ABRIR UMA LIGAÇÃO MYSQL

MySQL Workbench

MySQL Model* EER Diagram

File Edit View Database Plugins Scripting Help ORACLE

Workbench Central

Welcome to MySQL Workbench

What's New in This Release?
Read about all changes in this MySQL Workbench release.

MySQL Doc Library MySQL Utilities Database Migration MySQL Bug Reporter Workbench Blogs Planet MySQL Workbench Forums Scripting Shell

Workspace

SQL Development
Connect to existing databases and run SQL Queries, SQL scripts, edit data and manage database objects.

Open Connection to Start Querying
Or click a DB connection to open the SQL Editor.

Data Modeling
Create and manage models, forward & reverse engineer, compare and synchronize schemas, report.

Open Existing EER Model
Or select a model to open or click here to browse.

sakila_full
Last modified Thu Feb 14 21:54:08 2013

Server Administration
Configure your database server, setup user accounts, browse status variables and server logs.

Server Administration
Or click to manage a database server instance.

New Connection
Add a new database connection for querying.

Edit Table Data
Select a connection and schema table to edit.

Edit SQL Script
Open an existing SQL Script file for editing.

Manage Connections
Modify connection settings or add connections.

Create New EER Model
Create a new EER Model from scratch.

Create EER Model From Existing Database
Create by connecting and reverse engineering.

Create EER Model From SQL Script
Import an existing SQL file.

New Server Instance
Register a new server instance to manage.

Manage Import / Export
Create a dump file or restore data from a file.

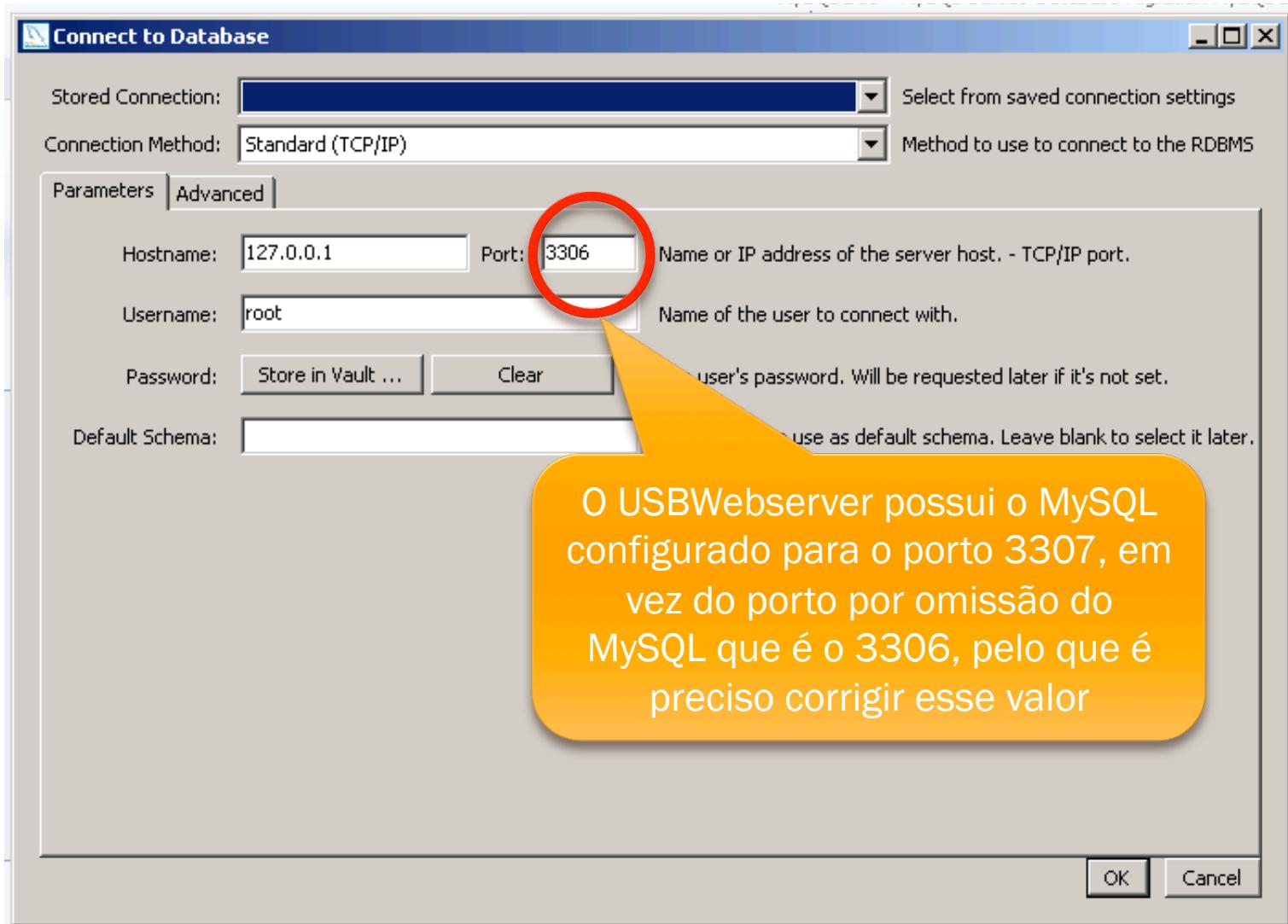
Manage Security
Manage user accounts and assign privileges.

Manage Server Instances
Add, delete and update server instance settings.

Ready

Iniciar X-MySQLWorkbench_5.2... USBWebserver MySQL Workbench 21:05

OPÇÕES DE LIGAÇÃO





PORTO DO MYSQL

Connect to Database

Stored Connection:

Connection Method: Standard (TCP/IP)

Parameters Advanced

Hostname: 127.0.0.1 Port: **3307** Name or IP address of the server host. - TCP/IP port.

Username: root Name of the user to connect with.

Password: The user's password. Will be requested later if it's not set.

Default Schema: The schema to use as default schema. Leave blank to select it later.

OK Cancel



PASSWORD DO MYSQL



A password do utilizador root do MySQL do USBWebserver é usbw

EDITOR DE MYSQL

