

Installing and Setting Up MySQL Workbench

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Installing Workbench and prereqs

1. Install Connector/NET. The latest version can be found [here](#).

! For C# PCAL development, you should not use the latest Connector/NET. Instead, use 6.8.3. Some of Ketra's Visual Studio projects won't work without the 6.8.3 DLL.

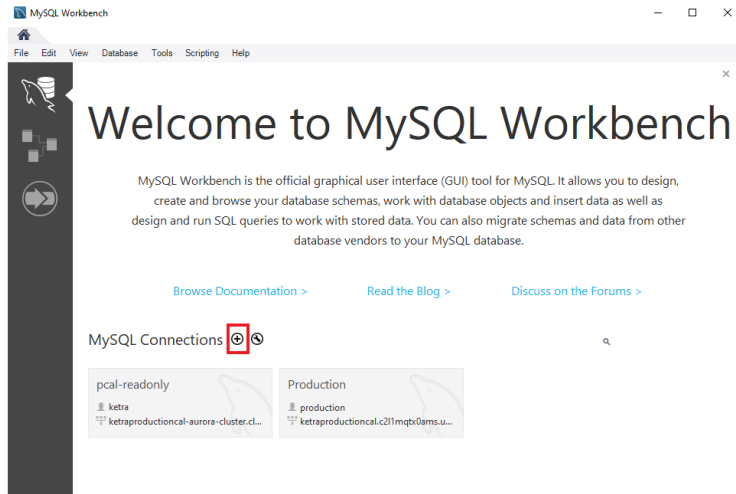
To install 6.8.3, run **L:\LK\Data\Project\Common\Install-Files\Database\mysql-connector-net-6.8.3.msi**.

2. Get the latest version of MySQL Workbench from Oracle, [here](#).
3. Install Workbench as well as any prerequisites you are prompted to install.

Establishing connections to databases in Workbench

In MySQL Workbench, establish connections to the databases you need.

1. Create a new connection on the home screen.



2. Fill out the fields shown in red. (Use the values in the table below.)

Setup New Connection

Connection Name: (Make up a name) Type a name for the connection

Connection Method: Standard (TCP/IP) Method to use to connect to the RDBMS

Parameters SSL Advanced

Hostname: Port: 3306 Name or IP address of the server host - and TCP/IP port.

Username: Name of the user to connect with.

Password: Store in Vault ... Clear 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.

Configure Server Management... Test Connection Cancel OK

Database Name	Description	Hostname	Port	Username	Password
production_cal	Holds all CM data, and data collected during Austin flow.	See Permissions for Ketra's ProductionCal (PCAL) Database			
characterizer_results	Holds lamp characterization data.	10.8.8.61	3306	ketra	Look in CharacterizerForm.cs in the KetraManufacturingTools repo.

3. Recommended: Save the password by clicking **Store in Vault** and entering it there.

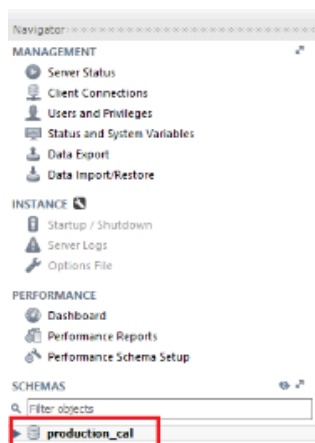
Setting the default schema (Recommended)

MySQL Workbench lets you set a **default schema** for your queries. Basically this means that instead of writing the database name in your queries, you can just write the table name.

No default schema set: `select * from production_cal.Lamp`

Default schema set: `select * from Lamp`

To set the default schema, double-click the database name in the Navigator column.



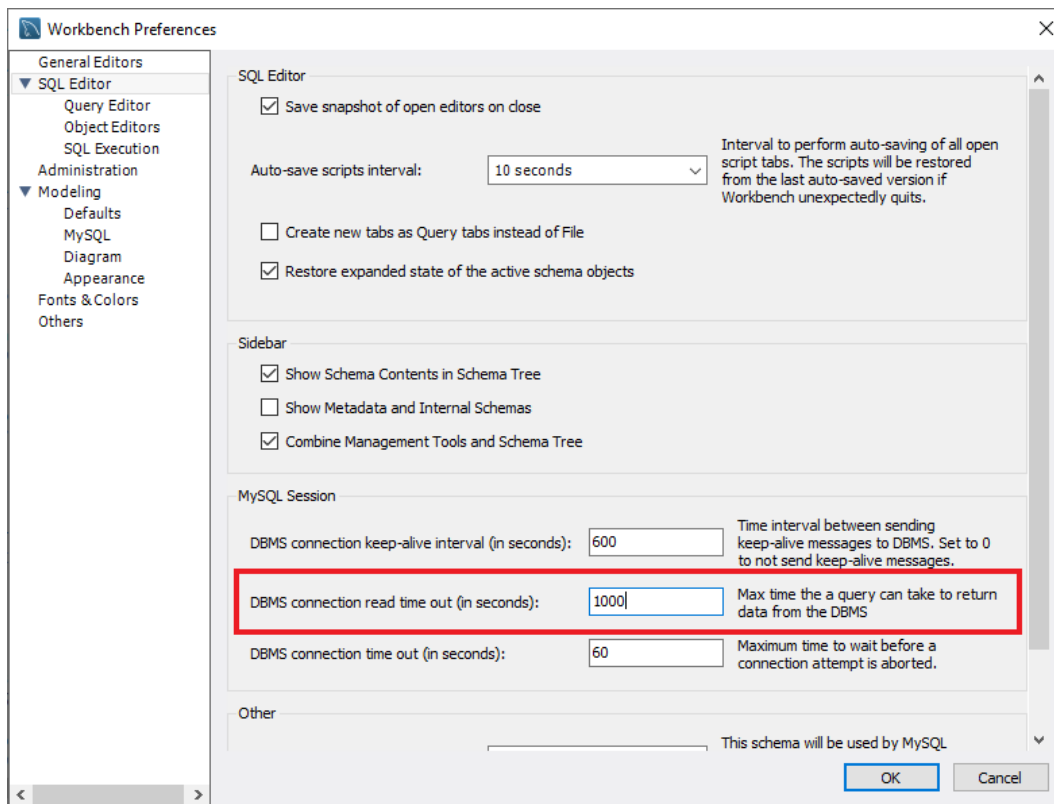
<= double-click the database name to set the default schema

Increasing read timeout time (Recommended)

MySQL Workbench defaults to a 30 second timeout for queries. Some of the PCAL DB's tables are large enough to require >30 seconds to return data.

To increase the timeout, do this:

1. In Workbench, go to **Edit > Preferences**.
2. In **SQL Editor**, update the value in **MySQL Session > DBMS connection read time out (in seconds)**
3. Restart Workbench.



No labels