**MySQL: OpI Notes – Setup and Connection  
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**On Server Computer, MySQL Download, Install**

Base directory, links to MySQL Community Server and Connectors:

<https://dev.mysql.com/downloads/>

Link to MySQL Community Server for Windows: mysql-installer-web-community-8.0.32.0.msi

<https://dev.mysql.com/downloads/mysql/>

Install:

<https://kinsta.com/knowledgebase/mysql-community-server/>

**On Client Computers, MySQL ODBC Connector Dowload, Install**

Connectors to ODBC: mysql-connector-odbc-8.0.32-winx64.msi  
plus to Node.js, NET, ODBC, PHP and other tools:

<https://dev.mysql.com/downloads/>

ODBC Connector:

<https://dev.mysql.com/downloads/connector/odbc/>

**On Server Computer, MySQL Server Config for Remote**

Search: MySQL connect remote client: <https://nortonsafe.search.ask.com/web?q=mysql%20connect%20remote%20client&ssdcat=321&installsource=client&source=client&year=2015&version=22.19.8.65&templatecat=sbu_w_1000_5039_ns_esd_2&schemacat=sbu_w&schemaver=1.0.0.0&olpchannel=sesd&osvers=10.0&oslocale=iso:usa&oslang=iso:eng&os=windows&showuninstallsurvey=1&installstatus=updated&vendorsrc=firefox&machinelocation=244&cdest=client&cmpgn=sep19&annot=false&vendorConfigured=ask&o=APN12178&prt=ngc&ver=22.19.8.65&tpr=111&chn=1000&guid=755b52c7-c892-47b6-8de1-f75103467f38&doi=2019-10-14&doa=2019-10-14>

<https://experienceleague.adobe.com/docs/commerce-operations/installation-guide/prerequisites/database-server/mysql-remote.html?lang=en>

<https://www.digitalocean.com/community/tutorials/how-to-allow-remote-access-to-mysql>

<https://docs.rackspace.com/support/how-to/mysql-connect-to-your-database-remotely/>

<https://phoenixnap.com/kb/mysql-remote-connection>

<https://www.hostgator.com/help/article/how-to-remotely-connect-to-the-mysql-database>

<https://www.cloudways.com/blog/connect-to-remote-mysql-database/>

**From Server, add a User**

Permissions and roles like OpISuper; can also add users for OpIManager, OpIDataOwner, and OpIClient.

Parameters:

MySQL Workbench:

All parameters as appropriate to Login Name role. E.g., for OpISuper:

Login Name: OpISuper; Password: OpISuper password

Max Queries, Max Updates, Max Connections = 1000; Concurrent Connections = 4

Administrative Roles: DBA, MaintenanceAdmin, ProcessAdmin, UserAdmin, SecurityAdmin, DBManager, DBDesigner, ReplicationAdmin, BackupAdmin

Schema Privileges: (for e.g., “Select “ALL””: Object Rights like CONTROL: SELECT, INSERT, UPDATE, DELETE, EXECUTE, SHOW VIEW

DDL Rights: All, Other Rights: All

**From Client, Connect to Database**

Parameters:

MySQL Workbench:

Create User

Navigator > Administration > Management > Users and Privileges > Add Account

Login Name

Authentication Type: Caching\_sha2\_password

Limit to Hosts Matching (% means “any host”)

Password: Enter and confirm

Create Connection

Connection Name: like “COBALT-MySQL-OpISuper”

Connection Method: Standard (TCP/IP)

Parameters like

Hostname: COBALT, Port 3306

Username: OpISuper (your choice)

Password: Store in Vault… and enter password

SSL: Use SSL: If available

COBALT\MySQL80 ( <server\_computer\_name \ < from Server Status: Connection Name, “Local Instance of MySQL80”> )

OpISuper (user created on MySQL Server, above, MySQL Workbench)

PowerQuery:

Get Data > From Database > From MySQL Database

COBALT

Database: Use MySQL Schema name (e.g., “sakila”)

Advanced: SQL Query: (e.g. SELECT films.\* FROM sakila.film\_list AS films LIMIT 0, 1000; )

Login: Database > User name: OpISuper, Password OpISuper password

Select level to apply settings: cobalt (server name)

Load To: Table or Pivot etc

M Code: example like

let

Source = MySQL.Database("COBALT", "sakila", [ReturnSingleDatabase=true, Query="SELECT films.\* FROM sakila.film\_list AS films LIMIT 0, 1000;", HierarchicalNavigation=true])

in

Source

Connection:

Get Data > From Other Sources > From ODBC

(Needs DSN etc) …

[Google Search](https://nortonsafe.search.ask.com/web?q=excel%20vba%20odbc%20connector&ssdcat=321&installsource=client&source=client&year=2015&version=22.19.8.65&templatecat=sbu_w_1000_5039_ns_esd_2&schemacat=sbu_w&schemaver=1.0.0.0&olpchannel=sesd&osvers=10.0&oslocale=iso:usa&oslang=iso:eng&os=windows&showuninstallsurvey=1&installstatus=updated&vendorsrc=firefox&machinelocation=244&cdest=client&cmpgn=sep19&annot=false&vendorConfigured=ask&o=APN12178&prt=ngc&ver=22.19.8.65&tpr=111&chn=1000&guid=755b52c7-c892-47b6-8de1-f75103467f38&doi=2019-10-14&doa=2019-10-14)

[Google Groups dialog](https://groups.google.com/g/microsoft.public.excel.programming/c/x47sStfcxLM?pli=1)

[Stackoverflow](https://stackoverflow.com/questions/28219298/setting-an-odbc-connection-string-in-vba)

DSN 64-bit data source

DSN 32-bit data source

ODBC Connection to SQL Server

[Microsoft ODBCConnection](https://learn.microsoft.com/en-us/office/vba/api/excel.odbcconnection.connection)

[Microsoft VBA ODBC Connection](https://social.msdn.microsoft.com/Forums/en-US/e1fda89a-c1a8-4e20-8616-5446d8a43976/how-to-connect-in-excel-and-odbc-with-vba?forum=isvvba)

[Microsoft ODBC Connection Object](https://learn.microsoft.com/en-us/office/vba/api/excel.odbcconnection.connection)

[Reddit connection string vba odbc](https://www.reddit.com/r/vba/comments/perkfe/vba_to_store_connection_string_for_odbc_connection/)

[Microsoft ODBC Driver for SQL Server](https://learn.microsoft.com/en-us/sql/connect/odbc/microsoft-odbc-driver-for-sql-server?view=sql-server-ver16)

[DSN 32/64-bit data source Windows 10](%25windir%25/system32/odbcad32.exe)

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| <https://learn.microsoft.com/en-us/sql/relational-databases/native-client/applications/using-connection-string-keywords-with-sql-server-native-client?view=sql-server-ver16> |
| <https://learn.microsoft.com/en-us/sql/connect/odbc/microsoft-odbc-driver-for-sql-server?view=sql-server-ver16> |
| <https://learn.microsoft.com/en-us/sql/connect/odbc/dsn-connection-string-attribute?view=sql-server-ver16> |
| <https://dev.mysql.com/doc/connector-odbc/en/connector-odbc-configuration-connection-without-dsn.html>  <https://dev.mysql.com/doc/connector-odbc/en/connector-odbc-configuration-connection-parameters.html>  Add VBA Reference to Microsoft ActiveX Data Objects 6.1 Library and use ADODB  [Developing Business Applications with Excel VBA and MySQL Server - Become an Excel VBA Business Applications Valued Expert (morsagmon.com)](https://morsagmon.com/blog/Developing-Business-Application-with-Excel-VBA-and-MySQL-Server/) |