

How can I connect to a MySQL database through .NET?

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All our Windows shared servers have Connector/Net, MySQL's fully managed ADO.Net provider. You can find the documentation on Connector/Net on MySQL's site: <http://dev.mysql.com/doc/connector-net/en/index.html> Here are a common examples of connection strings you can use to connect to your MySQL database through .NET. **Standard** Where we have values such as 'myServerAddress' and 'myUsername', please enter in the appropriate value for your Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword; **Specifying TCP Port** The 3306 is the default MySQL port, but you can use a different TCP port if you require it. If the UNIX socket is used, the value will be ignored.

Server=myServerAddress;Port=1234;Database=myDatabase;Uid=myUsername;Pwd=myPassword; **Multiple Servers** Through this, you can connect to a server in a replicated server configuration without needing to worry about which server to use. Server=serverAddress1, serverAddress2,

serverAddress3;Database=myDatabase;Uid=myUsername;Pwd=myPassword; **Using Encryption** If you have an SSL certificate installed onto your server, you can use this to activate SSL encryption for all data sent between the client and the server. Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;Encrypt=true;

Disallow Batches Preventing batch mode or batch files from running can protect your database from major changes. Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;AllowBatch=False; **Allow User Variables** You can allow users to enter in their own data by allowing user variables.

Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;AllowUserVariables=True; **Allow Invalid Date/Time** This will return a MySQL DateTime object for invalid values and a System.DateTime object for valid values.

Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;AllowZeroDate=True; **Alternative String to Allow Invalid Date/Time** This returns System.DateTime.MinValue valued System.DateTime object for invalid values and a System.DateTime object for valid values.

Server=myServerAddress;Database=myDatabase;Uid=myUserNAme;Pwd=myPassowrd;ConvertZeroDateTime=True; **Disable Transaction Participation** The use of auto-enlist transactions can cause trouble in Medium Trust environments. This removes it as the default behaviour.

Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;AutoEnlist=False; **Skip Parameter Checks for Stored Routines** Parameters for stored routines and procedures are checked against the server and can slow down the system. This removes it as the default behaviour.

Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;CheckParameters=False; **Parameter Type and Order Matching for Stored Procedures** If you have errors related to permissions and value casting, these errors can be fixed by this string.

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Online URL: <https://www.heartinternet.uk/support/article/how-can-i-connect-to-a-mysql-database-through-net.html> data as needed.

Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;UseAffectedRows=True; **Compress Network Communication Between Client and Server** This can cut down on the amount of time it takes to implement a script.

Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;UseCompression=True; **Log Inefficient Database Operations** Log operations that are inefficient, for tighter development later on.

Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;UserUsageAdvisor=True; **Enable Performance Counters** Turn on the performance counters for your project, and review regularly for optimisation programming.

Server=myServerAddress;Database=myDatabase;Uid=myUsername;Pwd=myPassword;UserPerformanceMonitor=True;