JMeterAndMySQL

Benchmarking MySQL with JMeter

This page describes setting up JMeter to benchmark a MySQL database using JDBC queries.

Install the JDBC Driver for MySQL

In order for JMeter to access a MySQL database as a client, it needs a JDBC database driver. For MySQL this is called MySQL Connector/J and is available at http://www.mysql.com/products/connector/j/. Download Connector/J and unzip the file. This will produce a directory containing the Connector/J files. In this directory you will find the connector jar file (mysql-connector-java-*version*-ga-bin.jar). Copy this file to the JMeter lib directory.

Configure the JDBC Sampler

Start JMeter and under the test plan node create a Thread Group, and under that create a JDBC Request Sampler.

For MySQL the Driver Class should be **com.mysql.jdbc.Driver**.

The JDBC URL is of this form: jdbc:mysql://*server*/*databaseName*?user=*username*&password=*password*

The SQL Query String is the SQL Query you want to benchmark. Start with something simple: create a table in the test database and execute a 'desc' query against it.

Try It Out

Add a View Results in Table Listener to the Thread Group. When ready, start the JMeter test run. After a few seconds, sample results should start to appear in this table. Ensure that the checkbox in the *Success?* column is checked. If it is, your query returned okay. You can now make test plans using JDBC queries much as you would make tests for a website.

Happy benchmarking!