

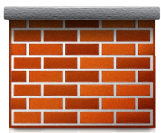
Advanced command-line tools for MySQL[®]

Maatkit makes hard things easy with powerful, high-quality command-line tools. From data synchronization to query analysis, these tools are designed by and for DBAs. You can use them for one-off jobs, or build scheduled tasks with them. See the other side for more information on specific tools.



Powerful

Maatkit tools follow the Unix philosophy of doing one thing well. All tools have consistent command-line options and behavior. And each tool's output is easy to use—for humans *and* for other command-line tools.



Stable

Maatkit is high-quality, reliable code that's trusted by major enterprises, government organizations, and space missions. Thousands of unit and integration tests ensure that your critical infrastructure is protected from mistakes.



Shiny and New

There's a new release every month, so you get the latest goodness without waiting! Maatkit is super-easy to get, because it's included in most popular GNU/Linux distributions, and might even be installed by default!



Well Documented

Maatkit has excellent, accurate documentation. It's embedded inside the tools, so you never have to search for it! And the documentation is actually part of the code, so it's subject to quality control and tests.



Free, with Great Support

Maatkit is completely free, open-source software hosted by Google Code. There's a great user community, with mailing lists, IRC channels, and a wiki. And if you want commercial support, that's available too!

Want to know more? Go to <http://www.maatkit.org/> and browse around. Jump on the mailing list or the IRC channel, and chat with other users. There's lots of information in the documentation and on the wiki.

What Can Maatkit Do For You Today?

So, what does Maatkit *do*? It would take a book to answer that question fully. Here's a list of three essential activities for every MySQL DBA, and how Maatkit makes them easy. See <http://www.maatkit.org/users> for success stories from users such as Tuenti, Second Life, and more.



✓ Verify Replication Integrity

Do you use MySQL replication? Are you sure that your slaves have a faithful copy of their master's data? If you haven't verified, you should! You might be surprised to find out that the slaves have become different from the master. Maatkit's *mk-table-checksum* tool is the only way to check. It executes checksum queries against the master. These queries propagate through replication to the slaves, and then a simple query against the slaves can reveal whether there are differences from the master. The tool has smart features that make everything as easy and efficient as possible for the server and the DBA. It's all wrapped up into one super-handly package. And if you find differences, the *mk-table-sync* tool can fix them—without even interrupting a production system! Maatkit not only makes it possible for you to verify replication integrity, it actually makes it easy!

✓ Analyze Queries

Quick, what are the most expensive queries running on your system? Don't know? Use the *mk-query-digest* tool to find out easily! It reads your server's query log, and creates an amazing report that shows exactly what you need to focus on—complete with a profile of the queries. It can even store the results in a database, where you can annotate them, query them with SQL, mark them as "reviewed" so the tool won't show them to you again, and more. Create a scheduled task to do this, and you'll get a report every day that shows you what queries are "new" on your system—a great way to catch problem SQL proactively. It has tons of advanced features, including the ability to capture queries from the network so you don't even have to enable logging. Without a doubt, *mk-query-digest* is the most sophisticated log analysis tool for MySQL!

✓ Test Changes Before Deploying

Wouldn't it be nice if you could test your changes before you deploy them, and ensure that nothing bad is going to happen? The *mk-upgrade* tool can help you execute queries against two systems and compare the results. Use it before you upgrade MySQL, to ensure there are no performance regressions, changes in syntax, differences in query plans, new warnings or errors, and more. Use it before you change server settings, too! It's a sensible way to be safe and careful with changes to vital production systems. If it helps Facebook, then it can help you too!