

With this tool you can easily create automatic backups of your MySQL 5.1 and up database.

The screenshot shows the 'MySQL Database Backup by Matthijs de Zwart' application window. It has a blue title bar with standard Windows window controls. The main interface is light beige and contains several sections of controls. At the top, there are tabs for 'About', 'Settings', and 'Check For Updates', with 'Settings' being the active tab. In the top right corner, there is a 'Support this project' button with a green icon. The main area contains the following controls: 'User for DB' and 'Password for DB' are text input fields. 'DB server name' is a text input field. 'Base Dir for backup' is a text input field with a 'browse' button to its left, showing the path 'c:\mysql backup\'. 'Location of mysqldump file' is a text input field with a 'browse' button to its left, showing the path '.\mysqldump.exe'. Below these is a section for 'include / exclude list' with two radio buttons: 'use blacklist' (selected) and 'use whitelist'. There is a 'Select from server' section with a 'Select DB's' button. Below that is a 'Select Manually (separate with comma's)' text input field. The 'Backup method' section has three radio buttons: 'All db tables in separate files', 'All db tables in one file per db', and 'Both (one file and separated)' (selected). The 'Insert method' section has two radio buttons: 'Insert ignore' and 'Replace' (selected). To the right of these are two checked checkboxes: 'Save structure' and 'Check credentials on save settings'. At the bottom left, there are two checkboxes: 'Compress to zip' (checked) and 'Password protected' (unchecked). At the very bottom, there are two large buttons: 'Save Settings' and 'Create Backup'.

What you can do with it:

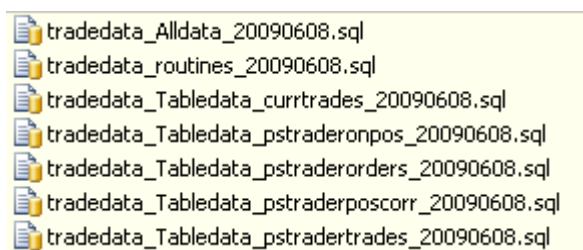
- 1) Create a dump file of all databases running on a server.
- 2) You can choose whether you use a blacklist or a whitelist for your database list. If you use a blacklist, databases selected will NOT be backed up. (see next page)

The interface consists of two panels. The top panel has a 'include / exclude list' section with 'use blacklist' selected and 'use whitelist' unselected. Below this is a 'Select from server' label and a 'Select DB's' button. A blue arrow points from the 'Select DB's' button to the bottom panel. The bottom panel has the same 'include / exclude list' section. Below it is a 'Select from server' label, a 'Select Manually (separate with comma's)' label, and a checklist of databases: ☐ dblintest, ☐ information_schema, ☐ mysql, ☐ phpmyadmin, and ☐ test. To the right of the checklist is a 'Done' button.

When you use the whitelist option, databases selected WILL be backed up. Selecting the databases for the list, can be done manually (just add them in the textbox next to “Select Manually”), or you can select them from the server, by clicking the “Select DB’s” button, wait for the checklist, check the databases needed and hit “Done”.

- 3) With the “Backup method” you can select how you want to make a backup.
 - a) “All db tables in separate files” means that all data from a table is stored in a new file.
 - b) “All db tables in one file per db” means that you dump all data from all tables in one .sql file.
 - c) a+b
- 4) a) You can specify an “insert method”. If you use ‘insert ignore’, your data will be added to the table, unless a primary key / unique index is already in the table.
 - b) ‘Replace’ works exactly like an insert statement, except that if an old row in the table has the same value as a new row for a primary key or a unique index, the old row is deleted before the new row is inserted. NOTE: Replace can only be used from mysql 5.1 and up.
- 5) If you choose to select “Save Structure”, the structure of the database will be saved in a separate file. This includes table structure, stored procedures, functions and triggers.

Files will look something like this:



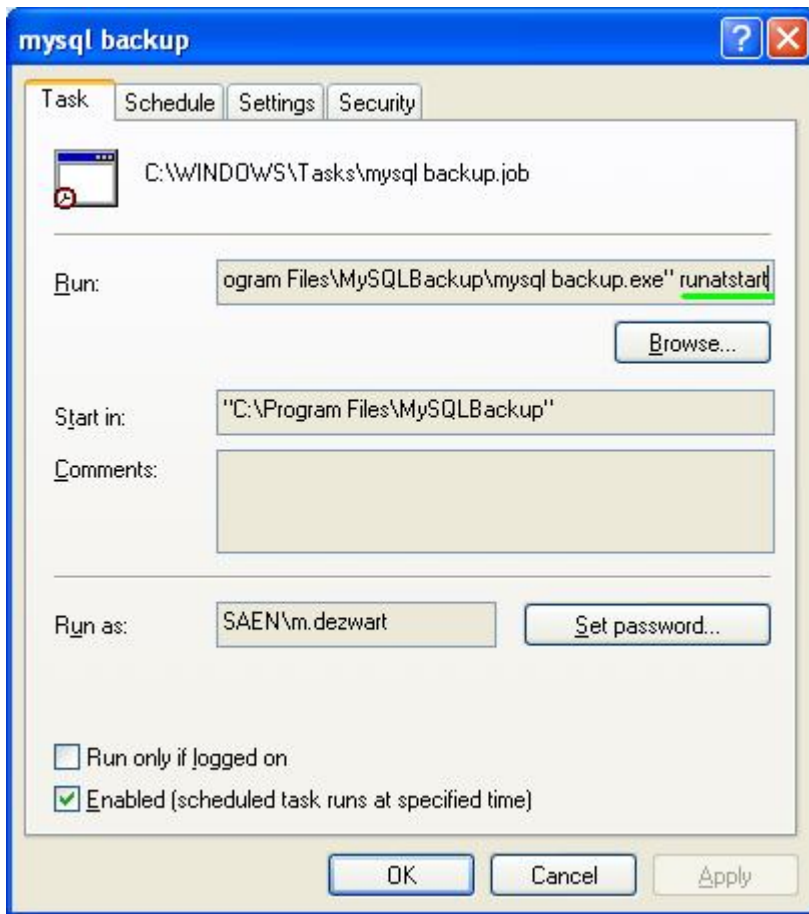
In this example, “tradedata” is the name of the database. The first file contains all data of all tables (3a).

The second file contains all structures and routines (5).

File 3-7 only contain data of the specific table (3b).

- 6) “Check credentials on save settings” is just to check whether or not you can actually login to the database with your user and login combination.
- 7) You can add all the files in a zip file (to save HD space). Just check “Compress to zip”. It’s also possible to password protect the zip file. Check “Password protected” and fill in the password fields.
- 8) After you have setup the settings and saved them, you can make manual backups by clicking on the “create backup” button.

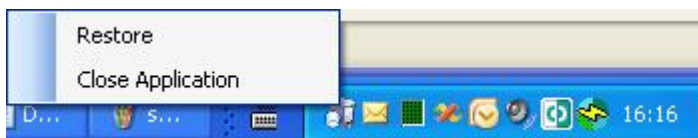
- 9) It's also possible to add a task to the windows task manager, to automatically make daily backups.



After you installed the program, add a job to the task manager to call mysql backup.exe with command line parameter 'runatstart'. When you start the application with this parameter, the program will start in the system tray.



A right mouse click will on the system tray icon of the mysql backup tool will show a menu with two options.



"Restore" will restore the program to be visible as a normal window.
"Close Application" will close down the application.

If you started MySQL Backup with the 'runatstart' parameter, the program will be closed once finished.

What do you need to do to get it working:

- 1) Install the software (unpack the zip file and run setup.exe. You need .net 3.5 SP1) or build your own version from the source code
- 2) You need to enter the settings. Most important is to use a username for the DB, which has enough privileges to do the job. The program does not check that in advance. After you entered the settings, click on “save settings”.
- 3) Make sure that you have write access for the directory you want to use as a backup dir.
- 4) That’s it!

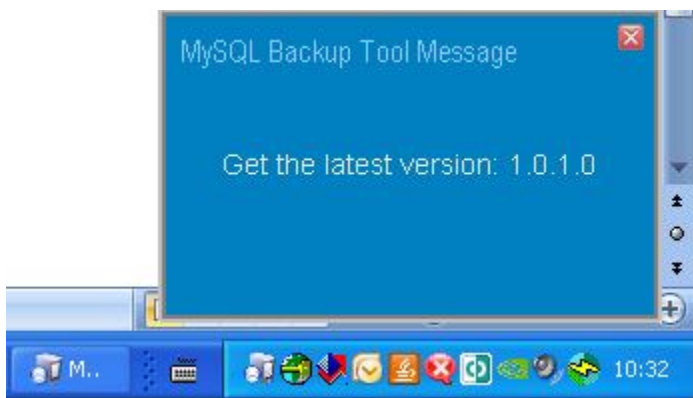
Some additional settings:



In the menu, you can choose “Settings”. By default, the settings are as shown above.

When “Check For Updates” is checked, the program will read the RSS feed from the sourceforge site, to check if there’s an update available.

If you’ve checked “Show taskbar Popup on update”, a popup will appear on the taskbar when there is an update available. The popup is clickable and will send you to the download page on sourceforge.



The “Show Update Popup for x seconds” speaks for itself. You will hear the “tada” sound, when “Play Sound When Update Available” is checked.