

Manage MySQL Profiles

(WHM >> Home >> SQL Services >> Manage MySQL Profiles)

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Overview

This interface allows you to manage multiple MySQL® server profiles. A profile defines the connection information for a local or remote MySQL server. You may wish to use a separate MySQL server if, for example, you manage particularly busy servers or servers with large databases. You can offload MySQL-related work to the remote MySQL server.

Remote MySQL server information

The *Manage MySQL Profiles* interface configures the remote server to work with your MySQL setup. After you configure the remote server, you **must** manually transfer your existing MySQL data to that server and configure your accounts' applications to use that server. Any new databases that you create will exist on the remote MySQL server.

For example, If you move an existing WordPress® database to the remote server, you must also update the WordPress server's configuration files to use the new server.

Warnings:

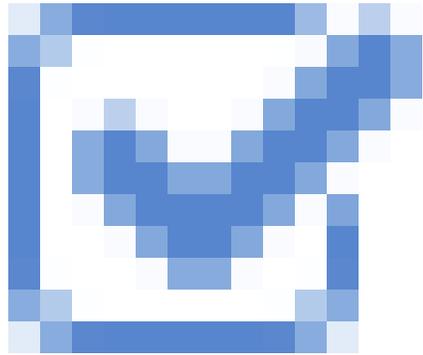
- Before you set up a remote MySQL server, ensure that you install the `openssh-clients` package on your local cPanel & WHM server. You **cannot** set up a remote MySQL server without this package.
- We **strongly** recommend that you **only** connect **one** cPanel & WHM server to each remote MySQL server. If you connect multiple cPanel & WHM servers to one remote MySQL server, you may experience database and username conflicts.
- This feature does **not** automatically transfer your MySQL data.
- **Do not** use the `skip-name-resolve` option in your server's MySQL configuration. This option can cause problems on **any** server. It will create **more** problems on remote MySQL servers, during account transfers and restorations, and with phpMyAdmin.

MySQL Profile information

The interface displays the following columns for each MySQL profile:

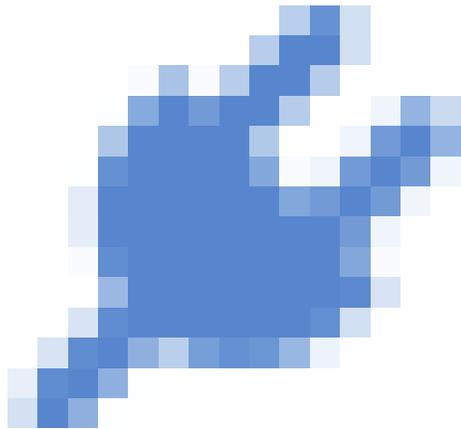
Column	Description
<i>Profile</i>	The name of the MySQL server profile.
<i>Host</i>	The MySQL server's IP address or hostname.
<i>Port</i>	The MySQL server's port number.
<i>User</i>	The SSH or MySQL username that you will use to authenticate to this host.
<i>Type</i>	A description of the profile data.
<i>Actions</i>	Click one of the following icons to perform the appropriate action:

- *Validate* (



) — Test the profile's MySQL server settings.

- *Activate* (



) — Set this profile as the active profile.
A green lightning bolt icon (



) indicates the currently-active profile.

Note:

You may only select **one** active profile at a time.

- *Delete* (

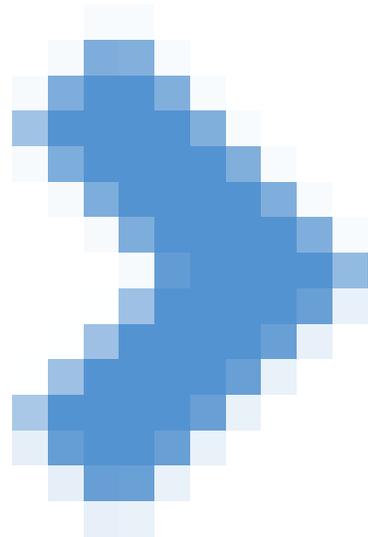


) — Delete the profile.

Note:

You **cannot** delete the active profile.

- (



) — Edit the profile.

Add profile

Note:

If no active profile exists, the system uses the information in the `/root/.my.cnf` file to generate an active profile.

To create a new MySQL profile, perform the following steps:

1. Click *Add Profile*. A new interface will appear.
2. Enter the desired MySQL profile name in the *Profile Name* text box.

Note:

After you save the MySQL profile name, you **cannot** change it.

3. Select a method to use to configure the new profile:
 - *Automatically create a MySQL superuser via SSH* — Select this method to create the new profile manually.
 - *Manually enter an existing MySQL superuser's credentials* — Select this method to manually enter the new profile's information.

Important:

- To create a MySQL super user, you **must** enable the *Super* privilege in the *Privileges* section of the *phpMyAdmin* interface (*cPanel >> Home >> SQL Services >> phpMyAdmin*).
- [Amazon Relational Database™ Service \(RDS\)](#) does **not** allow you to enable the *Super* privilege.

4. Enter the appropriate information for the configuration method that you selected. For more information, click a tab to view information about that method's settings:

Automatically create a MySQL superuser via SSH. Manually enter an existing MySQL superuser's credentials.

Setting	Description
<i>Host</i>	The MySQL server's IP address or hostname. <div style="border: 1px solid red; padding: 5px;"><p>Warning: You can enter a public or private IP address. However, make certain that the MySQL server can resolve the cPanel & WHM server's IP address to its fully-qualified hostname.</p></div>
<i>Port</i>	The MySQL server's port number. You must enter a port number that is between 1 and 65535. <div style="border: 1px solid yellow; padding: 5px;"><p>Note: If the server resides behind a firewall, you will need to configure the firewall allow traffic through the port that you select. For more information, read our How to Configure Your Firewall for cPanel Services documentation.</p></div>
<i>Username</i>	The username for the SSH connection.

<i>Authentication Method</i>	<p>Select the desired authentication method.</p> <ul style="list-style-type: none"> • <i>Password</i> — Use a password to authenticate. Enter your SSH password in the <i>Password</i> text box. • <i>SSH Key</i> — Use an SSH key to authenticate. Enter your SSH key's name in the <i>SSH Key</i> text box.
<i>Password</i>	<p>The password for the SSH connection.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Note: This setting only appears when you select the <i>Password</i> for the <i>Authentication Method</i> setting.</p> </div>
<i>SSH Key</i>	<p>The name of the SSH key to use to log in to the remote server.</p> <div style="border: 1px solid #f0e68c; padding: 5px; margin-top: 10px;"> <p>Notes:</p> <ul style="list-style-type: none"> • This setting only appears when you select the <i>SSH Key</i> for the <i>Authentication Method</i> setting. • Use WHM's Manage Root's SSH Keys interface (<i>WHM >> Home >> Security >> Manage Root's SSH Keys</i>) to add SSH keys. </div>

Setting	Description
<i>Host</i>	<p>The MySQL server's IP address or hostname.</p> <div style="border: 1px solid #e06666; padding: 5px; margin-top: 10px;"> <p>Warning: You can enter a public or private IP address. However, make certain that the MySQL server can resolve the cPanel & WHM server's IP address to its fully-qualified hostname.</p> </div>
<i>SSH Port</i>	<p>The SSH port number. You must enter a port number between 1 and 65535.</p>
<i>Username</i>	<p>The MySQL superuser's username.</p>

<i>Password</i>	The MySQL superuser's password.
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5. Click *Save*.

For more information, read our [Troubleshoot MySQL® Profiles](#) documentation.

Additional documentation

Suggested documentation [For cPanel users](#) [For WHM users](#) [For developers](#)

- [Additional MySQL Access Hosts](#)
- [Manage MySQL Profiles](#)
- [The dbstoregrants Script](#)
- [The manage_mysql_profiles Script](#)
- [SQL Databases FAQ](#)

- [MySQL Databases](#)
- [MySQL Database Wizard](#)
- [Remote MySQL](#)
- [The cPanel Interface FAQ](#)
- [PostgreSQL Database Wizard](#)

- [Additional MySQL Access Hosts](#)
- [Manage MySQL Profiles](#)
- [The dbstoregrants Script](#)
- [The manage_mysql_profiles Script](#)
- [SQL](#)

- [cPanel API 1 Functions - Mysql::adduserdb](#)
- [UAPI Functions - Mysql::get_privileges_on_database](#)
- [cPanel API 1 Functions - Mysql::updateprivs](#)
- [UAPI Functions - Mysql::add_host_note](#)
- [cPanel API 2 Functions - MysqlFE::userdbprivs](#)