

Admin Guide (Unix System Administration)

Creating MySQL Database

To be able to manage MySQL databases:

1. [log in as CP+ admin](#);
2. choose the *System Administration* icon in the CP+ mode section;
3. scroll down to the *Databases* section and click the *MySQL Database Server* icon. You will have the following sections to choose from:
 - [MySQL Databases](#) to create and edit databases;
 - [Global Options](#) to set and change MySQL server, database settings and user permissions;
 - *Stop MySQL Server* to stop the MySQL database server on your system;
 - [Backup Databases](#) to setup the backup of all MySQL databases, either immediately or on a configured schedule.

MySQL Databases

To create a MySQL database:

1. Go to the *MySQL Database Server* page.

MySQL Databases

Select all. Invert selection. Create a new database.



mysql



mysql1



mysql2

Select all. Invert selection. Create a new database.

Drop Selected Databases

2. Click on the **Create a new database** link.
3. Fill the database creation form that appears:

New database options

Database name

Initial table None Named with fields below

Field name	Data type	Type width	Key?	Autoinc?	Allow nulls?	Unsigned?	Default value
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>

Create

- Enter **Database name**;
4. Enter **Initial table** name or choose 'none';
 5. Set the **Initial table structure**: enter field names, data type and, optionally, type width; also you can choose the following options for each field of the table:
 - *Key?* - set to "Yes" to mark the field as a key field
 6. *Autoinc?* - if enabled, then the field value will be automatically generated, when a new record is added, as the last assigned value plus some step value ("1" by default)
 7. *Allow nulls?* - set to "Yes" if the empty field is allowed

8. *Unsigned?* - if this option is chosen, only positive value is allowed for this field
9. *Default value* - here you can set a default value of the field
10. Click *Create*. Your new database appears in the database list.
11. To add more tables to your database, go to the database and click *Create a new table*.
12. Fill the table creation form and click *Create*.

To manage a specific table:

- Click the field name to modify field parameters. You can change field name, data type, type width. Make sure to click *Save* to preserve changes.
- Add more fields by choosing the data type from the drop-down box. Fill the form that shows and click *Create*.
- Click the *View Data* button to see the data entered into the table.
- Click the *Drop Table* button to delete table .

To manage databases:

- Click *Drop database* to delete a particular database.
- Click *Backup database* to back up all data stored in the database.
- Click *Execute SQL* to enter SQL command that can be executed on particular database every time you click this button.

Configuring MySQL Databases

To change MySQL settings:

1. Click the *MySQL Database Server* icon and go to the *Global Options* section.
2. Use the icons below to manage global settings.

Global Options



- **User Permissions**: click this icon to add database users and set user permissions.
3. **Database Permissions**: click this icon to add database permissions.
 4. **Host Permissions**: click this icon to add host permissions.
 5. **Table Permissions**: click this icon to add table permissions.
 6. **Field Permissions**: click this icon to add field permissions.

User Permissions

This option allows you to add users to your databases and set permissions. Here you can also configure synchronization between Unix users created through CP+ and MySQL users.

To add a new user of your database, click *Create new user*. You will see the following form:

Enter Username, password, hosts, set permissions for this new user and click **Save**. The new user will appear in the users list.

Database Permissions

This option allows you to edit and add new database permissions. To add one, click *Create new database permission*. The following form will show:

Set database, enter username, hosts, set permissions for this database permission option and click **Save**.

Host Permissions

This option allows you to edit and add new database permissions. To add one, click *Create new database permission*. The following form will show:

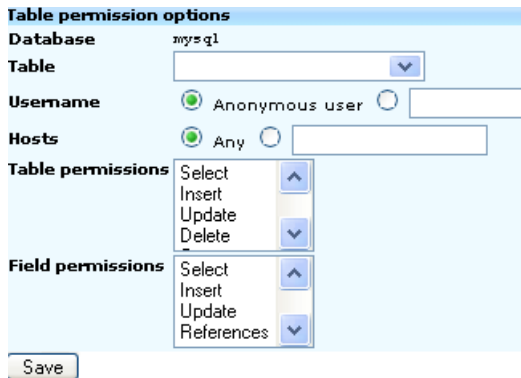
Set database, hosts, set permissions for this database permission option and click **Save**.

Table Permissions

This option allows you to edit and add table permissions.

To add one, do the following:

1. Choose the database from the drop-down box.
2. Click *Add new permissions in database*. The following form will show:



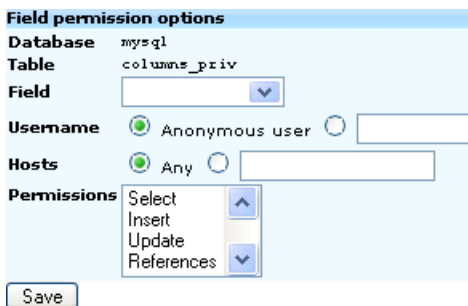
3. Set database, hosts, set permissions for this database permission option and click *Save*.

Field Permissions

This option allows you to edit and add permissions for specific fields in tables.

To add one, do the following:

1. Choose the database and table from the drop-down box.
2. Click *Add new permissions in database and table*. The following form will show:



3. Choose necessary field, username, hosts and choose permissions for this field.
4. Click *Save*.

Backup All Databases

Click the *Backup Databases* button and you will see the following page:

- **Backup to directory** - enter the directory, where the backup will be stored
- **Only backup rows matching where clause** - either choose *All rows* or enter the part of "where" SQL-query to select rows (find more information at mysql.com)
- Choose if you need to **add drop table statements to backup**
- Specify **Command to run before backup** and **Command to run after backup** if needed
- **Scheduled backup enabled?** - if you choose "Yes", it allows you to set the most convenient backup schedule

To backup databases immediately, click *Save and Backup Now*, and if you want just to save the settings, click *Save*

Database backup options

Backup to directory

Only backup rows matching where clause

 All rows

Add drop table statements to backup?

 Yes No

Command to run before backup

Command to run after backup

When to run commands

 Before/after each database Before/after all databases

Scheduled backup enabled?

 No Yes, at times chosen below ..

Minutes					Hours					Days					Months					Weekdays																																																																																																																																							
<input type="radio"/> All					<input type="radio"/> All					<input checked="" type="radio"/> All					<input checked="" type="radio"/> All					<input checked="" type="radio"/> All																																																																																																																																							
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0	12	24	36	48	0	12	1	13	25	January	Sunday	1	13	26	February	Monday	2	14	27	March	Tuesday	3	15	28	April	Wednesday	4	16	29	May	Thursday	5	17	30	June	Friday	6	18	31	July	Saturday	7	19	1	20	August		8	21	2	22	September		9	23	3	24	October		10	25	4	26	November		11	27	5	28	December		12	29	6	30			13	31	7				14				15				16				17				18				19				20				21				22				23				24				25				26				27				28				29				30				31			

Note: Ctrl-click to select and de-select minutes, hours, days and months.