

MySQL Show Users | Show All Users in MySQL

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MySQL Show Users

A common question most beginner MySQL users ask is how to show all users in MySQL. Most of the MySQL beginners assume there is **MySQL Show Users** command, but there isn't one. We notice it all over the internet and on our blog too. It's frequently asked because there are other MySQL commands for displaying information about the database, for example, `SHOW DATABASES` will show out all the databases, `SHOW TABLES` will show all the tables in your MySQL database etc. It's not unusual for people to assume that there should be a "SHOW USERS" command in MySQL. Well, there isn't one. Luckily there's a way to show all MySQL users.

We'll assume that you already have MySQL installed on your server. If you haven't already done so, you can follow one of our [LEMP guides](#) and install MySQL.

1. Login to MySQL Server

First of all, you need to log in as root in MySQL using the following command:

```
## mysql -u root -p
```

2. Show MySQL Users

There are lots of tables in your MySQL database, but right now we'll only need to query the User table.

To show all MySQL users, execute the command to query the MySQL database:

```
SELECT User, Host, Password FROM mysql.user;
```

The **list of all MySQL users** should be similar to the one below:

+-----+-----+-----+			
user	host	password	
+-----+-----+-----+			
root	localhost	37as%#8123fs	
debian-test-user	localhost	HmBEqPjC5Y	
johnsm	localhost		
brian	localhost		
root	111.111.111.1		
guest	%		
adrianr	10.11.12.13	RFsgY6aiVg	
+-----+-----+-----+			
7 rows in set (0.01 sec)			

If you want to add more columns or exclude some, just edit the command with the columns you need. You may only need the names of the users, so you can use `SELECT User FROM mysql.user;`

3. Display Only Unique Usernames in MySQL Database

If you want to display only unique usernames that won't be repeated in more rows, you can use `SELECT DISTINCT User FROM mysql.user;`, which should give you this output:

```
+-----+
| user          |
+-----+
| root          |
| debian-test-user |
| johnsm        |
| brian         |
| guest         |
| adrianr       |
+-----+
6 rows in set (0.01 sec)
```

4. MySQL Users Information

To see all the fields in the mysql.user table containing user description, run the following MySQL command to query the database.

```
mysql> desc mysql.user;
```

The output will look similar to the one below:



mysql> desc mysql.user;

-----+-----+				
Field	Type	Null	Key	Default
-----+-----+				
Host	char(60)	NO	PRI	
User	char(16)	NO	PRI	
Password	char(41)	NO		
Select_priv	enum('N','Y')	NO		N
Insert_priv	enum('N','Y')	NO		N
Update_priv	enum('N','Y')	NO		N
Delete_priv	enum('N','Y')	NO		N
Create_priv	enum('N','Y')	NO		N
Drop_priv	enum('N','Y')	NO		N
Reload_priv	enum('N','Y')	NO		N
Shutdown_priv	enum('N','Y')	NO		N
Process_priv	enum('N','Y')	NO		N
File_priv	enum('N','Y')	NO		N
Grant_priv	enum('N','Y')	NO		N
References_priv	enum('N','Y')	NO		N
Index_priv	enum('N','Y')	NO		N
Alter_priv	enum('N','Y')	NO		N
Show_db_priv	enum('N','Y')	NO		N
Super_priv	enum('N','Y')	NO		N
Create_tmp_table_priv	enum('N','Y')	NO		N
Lock_tables_priv	enum('N','Y')	NO		N
Execute_priv	enum('N','Y')	NO		N
Repl_slave_priv	enum('N','Y')	NO		N
Repl_client_priv	enum('N','Y')	NO		N
Create_view_priv	enum('N','Y')	NO		N
Show_view_priv	enum('N','Y')	NO		N

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Create_routine_priv	enum('N','Y')	NO		N
Alter_routine_priv	enum('N','Y')	NO		N
Create_user_priv	enum('N','Y')	NO		N
Event_priv	enum('N','Y')	NO		N
Trigger_priv	enum('N','Y')	NO		N
Create_tablespace_priv	enum('N','Y')	NO		N
ssl_type	enum('', 'ANY', 'X509', 'SPECIFIED')	NO		
ssl_cipher	blob	NO		NULL
x509_issuer	blob	NO		NULL
x509_subject	blob	NO		NULL
max_questions	int(11) unsigned	NO		0
max_updates	int(11) unsigned	NO		0
max_connections	int(11) unsigned	NO		0
max_user_connections	int(11) unsigned	NO		0
plugin	char(64)	YES		
mysql_native_password				
authentication_string	text	YES		NULL
password_expired	enum('N','Y')	NO		N
+-----+-----+-----+-----+-----				
-----+-----+				
43 rows in set (0.00 sec)				

And that’s it, with the completion of this tutorial, you have learned **how to show MySQL user accounts via the command line**.



If you have any additional questions on the MySQL database, feel free to leave a comment below. You can always get a [Managed MySQL VPS](#) from us and our fully-managed support will help you with problems related to MySQL or will explain **how to show all users in the MySQL database**.

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