

Deleting entries in the mysql database table serveractivity_logs

385 admin September 12, 2024 [General](#) 4905

How to removing entries from the serveractivity_logs table in MySQL?

Overview: This article explains how to reduce the size of the Ezeelogin **serveractivity_logs** table. Reducing the size of this table is essential as it would cause the Ezeelogin software upgrade to slow down significantly (2-4 hours) because of the huge size of the database table. It also outlines steps for exporting logs for audit purposes, and provides commands for backing up and deleting older entries.

1. View server activity logs

Step 1(A): To view the server activity logs login to Ezeelogin GUI, navigate to **Users -> Server Activity -> Server Activity Logs**.

The screenshot shows the Ezeelogin GUI with the 'Users' menu expanded to 'Server Activity' and then 'Server Activity Logs'. The search bar is filled with 'admin' for the user and 'All' for servers. The 'To' date is set to '2024-09-21 22:02'. The 'Find' button is highlighted with a green arrow. The table below shows the following data:

Username	Server Name	Status	Reason	Login Time	Logout Time	Input Idle Time	Output Idle Time	Actions
admin	ubuntu	SUCCESS: done		2024-09-21 00:00:33	2024-09-21 00:00:36	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 00:01:33	2024-09-21 00:01:38	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 00:01:48	2024-09-21 00:01:52	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 00:00:13	2024-09-21 00:00:16	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 02:15:38	2024-09-21 02:15:43	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 02:25:17	2024-09-21 02:25:21	0s	0s	

2. Export server activity logs

Step 2(A): Before truncating the server activity logs you can export the logs from GUI for audit purposes under **Users -> Server Activity -> Export**

The screenshot shows the Ezeelogin web interface. On the left is a navigation menu with 'Users' and 'Server Activity' highlighted. The main content area has a search bar with the following fields: 'User' (admin), 'Servers' (-- All --), 'From' (empty), and 'To' (2024-09-21 22:02). Below the search bar are 'Export', 'Reset', and 'Find' buttons. A table of server activity logs is displayed below, with columns for Username, Server Name, Status, Reason, Login Time, Logout Time, Input Idle Time, Output Idle Time, and Actions. The table shows six entries for the user 'admin' on the server 'ubuntu', all with a status of 'SUCCESS: done'.

Username	Server Name	Status	Reason	Login Time	Logout Time	Input Idle Time	Output Idle Time	Actions
admin	ubuntu	SUCCESS: done		2024-09-21 00:00:33	2024-09-21 00:00:36	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 00:01:33	2024-09-21 00:01:38	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 00:01:48	2024-09-21 00:01:52	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 00:00:13	2024-09-21 00:00:16	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 02:15:38	2024-09-21 02:15:43	0s	0s	
admin	ubuntu	SUCCESS: done		2024-09-21 02:25:17	2024-09-21 02:25:21	0s	0s	

Generate a mysql dump of the Ezeelogin database or a table dump before you perform the operation in case you need to revert due to any unforeseen reasons. Run below command to take the database dump. Be sure to replace the database name with the actual name found in /usr/local/etc/ezlogin/ez.conf.

```
root@gateway:~# mysqldump ezlogin_wggmp >
ezlogin_wggmp.sql
```

3. Truncate server activity logs

Step 3(A): Run the below command to generate a backup of the server activity logs table.

```
root@gateway:~# mysqldump -u root -p $(grep -oP
'db_names+KS+' /usr/local/etc/ezlogin/ez.conf)
$(grep -oP 'db_prefixs+KS+' /usr/local/etc/ezlogin/
ez.conf)serveractivity_logs > $(grep -oP
'db_prefixs+KS+' /usr/local/etc/ezlogin/ez.conf)ser
veractivity_logs_$(date +%Y-%m-%d).sql
```

Step 3(B): After taking backup, run below command to delete the entries in the table serveractivity_logs using the Ezeelogin query runner script. It would remove the entries before the date 2023-01-01 from the logs table

```
root@gateway:~# php /usr/local/ezlogin/ez_queryrunner.php "delete from prefix_serveractivity_logs where login_time < '2023-01-01' "
```

Step 4: The serveractivity_logs table would look as follows:

```
MariaDB [ezlogin_wggmp]> desc thwm_serveractivity_logs;
```

```
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id | bigint(20) unsigned | NO | PRI | NULL | auto_increment |
| user_id | int(10) unsigned | NO | MUL | 0 | |
| server_id | int(10) unsigned | NO | | 0 | |
| gwactivity_id | int(20) unsigned | NO | | 0 | |
| login_time | datetime | YES | | NULL | |
| logout_time | timestamp | NO | | current_timestamp() | on update current_timestamp() |
| input_idle_time | int(10) unsigned | NO | | 0 | |
| output_idle_time | int(10) unsigned | NO | | 0 | |
| status | varchar(100) | NO | | | |
| type | enum('SCP','SHELL','CMD','RDP') | NO | | SHELL | |
+-----+-----+-----+-----+-----+-----+
```

Alternatively, you can remove entries using MySQL commands.

```
MariaDB> use db_name;
```

```
MariaDB [ezlogin_wggmp]> delete from thwm_serveractivity_logs where login_time < '2023-01-01';
```

```
Query OK, 235 rows affected (0.009 sec)
```

Related Articles:

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[How to truncate the ssh session logs recorded](#)

[Migrating Ezeelogin database manually when the table size is large for faster Ezeelogin software upgrades](#)

[ERROR db sshlogs: Incorrect string value](#)

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