

Deleting entries in the mysql database table gwactivity_logs

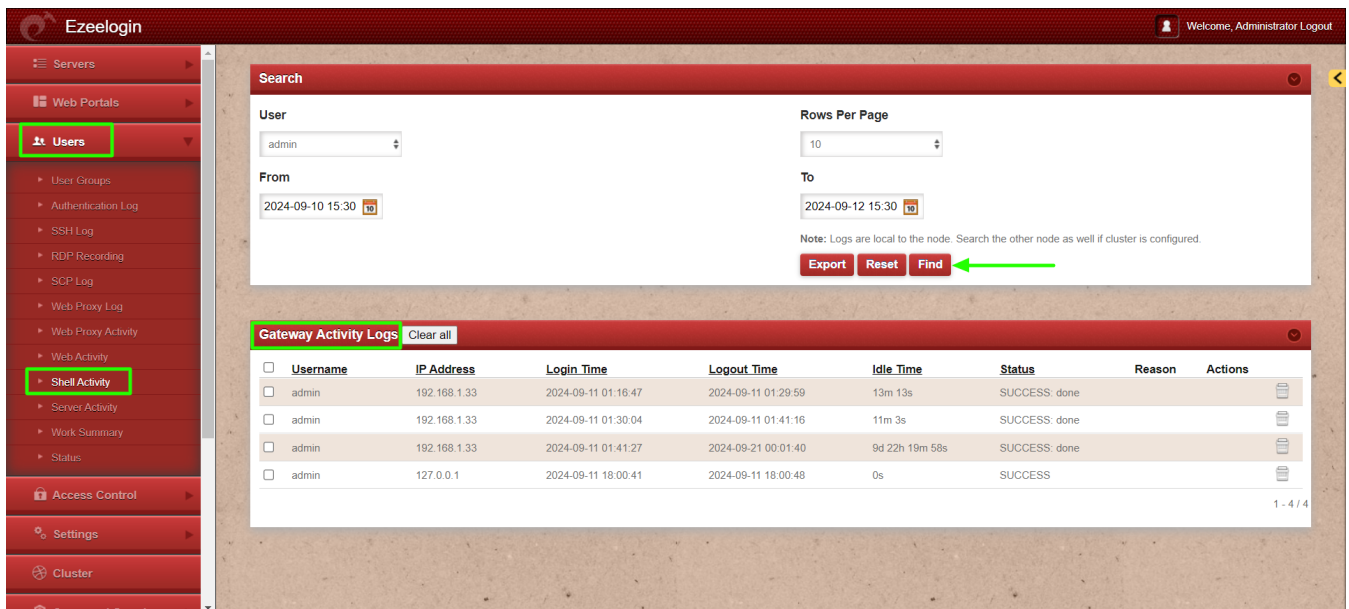
348 admin September 12, 2024 [Features & Functionalities](#), [Security Compliances](#) 2788

Removing entries in the Ezeelogin database table gwactivity_logs for house keeping.

Overview: This article explains how to delete entries from 'gwactivity_logs' table. It would be required to reduce the size of the Ezeelogin MySQL database table **gwactivity_logs** as it would cause the Ezeelogin software upgrade to slow down significantly (2-4 hours) because of the huge size of the database table.

1. View gateway activity logs

Step 1(A): To view the gateway activity logs login to Ezeelogin GUI, navigate to **Users** -> [Shell Activity](#) -> **Gateway Activity Logs**



The screenshot displays the Ezeelogin GUI interface. On the left sidebar, the 'Users' menu is expanded, and 'Shell Activity' is selected. The main content area shows a search filter for 'admin' and a date range from '2024-09-10 15:30' to '2024-09-12 15:30'. Below the search is a table of Gateway Activity Logs with columns: Username, IP Address, Login Time, Logout Time, Idle Time, Status, Reason, and Actions. The table contains four rows of log entries for the user 'admin'.

Username	IP Address	Login Time	Logout Time	Idle Time	Status	Reason	Actions
admin	192.168.1.33	2024-09-11 01:16:47	2024-09-11 01:29:59	13m 13s	SUCCESS: done		
admin	192.168.1.33	2024-09-11 01:30:04	2024-09-11 01:41:16	11m 3s	SUCCESS: done		
admin	192.168.1.33	2024-09-11 01:41:27	2024-09-21 00:01:40	9d 22h 19m 58s	SUCCESS: done		
admin	127.0.0.1	2024-09-11 18:00:41	2024-09-11 18:00:48	0s	SUCCESS		

2. Export gateway activity logs

Step 2(A): Before truncating the gatewayactivity_logs export the logs from GUI for audit purposes under **Users** -> **Shell Activity** -> [Export](#).

The screenshot shows the Ezeelogin web interface. On the left is a navigation menu with 'Users' and 'Shell Activity' highlighted. The main content area has a search bar with 'User' set to 'admin', 'From' set to '2024-07-24 11:22', and 'To' set to '2024-07-26 11:22'. Below the search bar is a table titled 'Gateway Activity Logs' with the following data:

Username	IP Address	Login Time	Logout Time	Idle Time	Status	Reason	Actions
admin	127.0.0.1	2024-07-24 17:30:20	2024-07-24 17:32:26	1m 34s	SUCCESS		
admin	127.0.0.1	2024-07-24 17:33:01	2024-07-24 17:33:05	0s	SUCCESS		

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 gateway activity logs

Step 3(A): Run the below command to generate a backup of the gateway 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)gwactivity_logs > $(grep -oP
'db_prefixs KS '
/usr/local/etc/ezlogin/ez.conf)gwactivity_logs_$(date %Y-%m-%d).sql
```

Step 3(B): After taking backup, run below command to delete the entries in the table gateway activity 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_gwactivity_logs where login_time < '2023-01-01'"
```

Step 4: The gwactivity_logs table structure would look as follows.

```
MariaDB [ezlogin_wggmp]> desc thwm_gwactivity_logs;

-----
-----
| Field      | Type          | Null | Key | Default      | Extra      |
-----
-----
| id         | bigint(20) unsigned | NO   | PRI | NULL        | auto_increment
|
| user_id    | int(10) unsigned   | NO   | MUL | 0           |           |
| uid        | int(10) unsigned   | NO   |     | 0           |           |
| remote_ip  | varchar(45)        | NO   |     |             |           |
| remote_port | char(5)           | NO   |     |             |           |
| local_ip   | varchar(45)        | NO   |     |             |           |
| local_port  | char(5)           | NO   |     |             |           |
| login_time | datetime          | YES  |     | NULL        |           |
| logout_time | timestamp         | NO   |     | current_timestamp() | on
update current_timestamp() |
| idle_time  | int(10) unsigned   | NO   |     | 0           |           |
| remote_time | int(10) unsigned   | NO   |     | 0           |           |
| status     | varchar(100)       | NO   |     |             |           |
-----
-----
```

Alternatively, you can remove entries using MySQL commands.

```
MariaDB> use db_name;

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

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

Related Articles:

[Truncate SSH logs.](#)

[Getting trimmed output in Parallel Shell.](#)

Online URL:

https://www.ezeelogin.com/kb/article/deleting-entries-in-the-mysql-database-table-gwactivity_logs-348.html