

OpenLM has received customer's requests to have the ability to delete items from the OpenLM database. This request stemmed from a variety of motivations:

- Users were introduced into the OpenLM database by mistake. This may culminate to an inconvenient number of users which makes browsing EasyAdmin uneasy.
- Users and groups are dynamic within the organization's active directory. They may become obsolete and irrelevant.
- Old historical information may be discarded according to the organization's policy.

Back up your Database

It is imperative to stop the OpenLM Server service, and back up the database prior to the actions described in this Application note.

The Database cleanup process is final, and there will be no possibility to retrieve the erased data.

The Cleanup Manager

In order to activate this cleanup utility, click the EasyAdmin **Start** button, select **Administration** and **Cleanup Manager**. (Start →Administration → Cleanup Manager)

Select one of the three cleanup methods (**History**, **Groups** or **Users**), provide the cleanup configuration a **Title** and a **Description**. Click **Run**.

Administration - Cleanup Manager

Cleanup Job Title: Clean History - 17/06/2019 10:09

Cleanup Job Description:

Cleanup categories

History

Groups

Users

Start date: 18/05/2019 00:00

End date: 17/06/2019 00:00

The Cleanup manager runs a background process, which clears entities from the OpenLM database, trashing unnecessary information.

History: This option erases irrelevant usage data. Select the time range to purge old information from the database.

Groups: Select 'Groups' to get rid of all group names in OpenLM.

Users: Select this option to trash all unnecessary usernames. Users which have accumulated active usage history will not be removed from the database.

Show Cleanup Monitor GDPR Anonymize User Run Cancel

It is possible to observe the progress of the cleanup process by clicking **Show Cleanup Monitor**. This will open the monitor window:

Process	Title	Description	Creation Sources	Process Started At	Process Ended At	Predefined Start Time	Predefined End Time	Currently Processed Time	Total Records	Processed Records	Progress
<input type="checkbox"/>	History	Clean History - 17/0...	[All]	17/06/2019 10:11:39	17/06/2019 10:11:39	18/05/2019 00:00:00	17/06/2019 00:00:00	Currently Processed Time	0	0	100%

Clear

History cleanup

History cleanup would delete historical entries according to the time period configuration, from the following database tables

- License Usage information according to Hours, Weeks and Months
- Logging of application closure
- License denials
- License idle time per session.

Groups Cleanup

OpenLM enables administrators to permanently delete the groups in the OpenLM database

Groups Database Linkage:

Groups' linkage to other OpenLM database tables is also deleted as follows:

- Roles and permissions
- Group's computers
- Group's projects membership
- Member users
- LDAP synchronization entities

Groups which will NOT be deleted:

- Groups which have checked out a license either during or prior to applying the cleanup tool

- Groups and host groups which have been declared on FLEXlm Options files.
- The default OpenLM_Everyone and OpenLM Groups groups will not be deleted.

User cleanup

OpenLM enables administrators to permanently delete the user pool. Deleted users are marked so that they do not get re-introduced by periodic OpenLM LDAP synchronization. See this document for more information:

[LDAP \(Active Directory\) Synchronization: Comprehensive Guide](#)

Cleared users will be reintroduced when they check out monitored licenses.

Users Database Linkage:

Users' linkage to other OpenLM database tables is also deleted as follows:

- Roles and permissions
- Users' group membership
- Reservation of licenses after being denied.
- User settings (EasyAdmin layout, Report windows' filters)
- Users' projects membership
- LDAP synchronization entities

Users who will not be deleted

Generally speaking, users who have records of historical license usage or denials will not be deleted by the Users deletion option. This specifically relates to the following records:

- Users who have checked out or borrowed a license either during or prior to applying the cleanup tool
- Users who had been reported active or denied a license in the license manager's debug log by the OpenLM Broker.
- Users who at the time of applying the cleanup were running an OpenLM session (OpenLM server configuration or EasyAdmin web application), for which a login was required.
- Users who at the time of applying the cleanup were referred to by the OpenLM Agent
- Users who have configured the Feature Usage Report window in EasyAdmin.
- The default GeneralUser user will not be deleted.

For deletion of group or users - Drop-down titled "Creation sources" allows for narrowing the deletion process to fit only the sources required (Either from LDAP, Options File, License Usage etc.)