

Dimensions

Calendar Dimension:

Holds time and date fields:

- **Date** - full date in date format (format by year, quarter, month, day, free form)
- **Date_string** - date in string format (example "09-01-2017")
- **Date_string_long** - named date as string (example "Jan 9th 2017")
- **Is_weekend** - is the date a part of the weekend
- **Is_holiday** - is the date a part of a holiday
- **Week_yyyyww** - week of the year (YYYY-01 to YYYY-51).
- **Day_of_month** - day of the month (1 - 31).
- **Day_of_week** - day of the week (Sunday to Saturday).
- **Day_of_year** - day of the year (1 - 365)
- **Month** - month of the year (January - December)

License Dimension:

Holds fields with information related to licenses.

- **License_server** - license server
- **License_vendor** - vendor
- **License_feature** - feature
- **License_description** - product name
- **License_type** - license type
- **License_version** - version
- **License_additional_key** - additional key
- **License_expiration_date** - Expiration date of the license (Blank means ongoing)

Package Dimension:

Holds license package information.

- **Package_vendor** - Vendor name of the package
- **Package_feature** - Package feature name
- **Package_description** - Package descriptive name

- **Package_versions** - Package version
- **Package_is_fixed** - Package set as fixed

Project Dimension:

Holds project information.

- **Project_allocated_time** - Time from start of project
- **Project_create_date** - Project creation date
- **Project_end_time** - Project expiration time
- **Project_name** - Project name
- **Project_percent_done** - How much of the project is done.
- **Project_priority** - Project priority
- **Project_source** - Where was the project loaded from
- **Project_start_time** - Project starting time
- **Project_valid** - is project enabled

Group Dimension:

Holds group information.

- **Group_name** - group name.
- **Group_source** - source of the group (License output / LDAP).
- **Group_valid** - is group set as enabled.

User Dimension:

Holds information related to users, such as - Full user name, department, office, address etc..

- **User_name** - user name.
- **User_first_name** - user first name.
- **User_last_name** - user last name.
- **User_display_name** - selected display name for user.
- **User_title** - job title.
- **User_department** - organizational department.
- **User_phone_number** - user phone number.

- **User_description** - user description.
- **User_office** - user office.
- **User_email** - user email.
- **User_source** - source of the user (License output / LDAP).
- **User_valid** - is user set as enabled.

Workstation Dimension:

Holds all workstations.

- **Workstation** - workstation hostname

Raw Measures

Raw Usage Measure:

Holds total session duration, without any aggregation.

- **Usage_time** - total session duration (do not query by time)
- **Num_of_licenses_used** - number of licenses pulled on a single session (tokens)
- **Borrowed** - was a license borrowed for this session.

Raw Denials Measure:

Holds denials, without any aggregation.

- **Count(denial_id)** - count of denials.
- **Major_error** - denial major error code
- **Minor_error** - denial minor error code
- **Hour_of_day** - denial hour of day (only for using on denials)
- **Error_message** - detailed error message for the denial.

Raw Idle Time Measure:

Holds total idle time periods, without any aggregation.

- **Idle_time** - idle time periods

Calculated Measures

Feature Usage Measure:

Holds daily usage time and concurrent usage. (features with one version only)

- **Usage_time** - session duration cut by days.
- **Concurrent_usage** - concurrent usage (per single feature selected).
- **Num_of_licenses_used** - number of licenses pulled on a single session (tokens)
- **Borrowed** - was a license borrowed for this session.

Feature Idle Time Measure:

Holds daily idle time periods that allows you to summarize different features and license servers.

- **Idle_time** - idle time cut by days.

Daily Measures

Daily Concurrent Measure:

Holds daily maximum concurrent usage that allows you to summarize different features and license servers. (features with one version only)

- **Max_concurrent_usage** - daily maximum concurrent usage.

Daily Concurrent Measure All Versions:

Holds daily maximum concurrent usage that allows you to summarize different features and license servers. (features with several versions)

Acts as the “Select All Versions” in EasyAdmin.

- **Max_concurrent_usage_all_versions** - daily maximum concurrent usage for features with more than one version.

Daily Quantity Measure:

Holds daily maximum license quantity that allows you to get accurate daily license quantity information

- **Max_license_quantity** - Daily license quantity per license.

Unused Tables

These tables are auxiliary tables for the usage of the ETL only, and should not be used in any report.

- **Version_Table table** - Holds the ETL version and last ETL run time.
- **Quantity_Dimension table** - Holds all license procurements, but is not structured to be in a report, only to assist the ETL.
- **Unfinished_Sessions_Aux** - Holds all the ID's for unfinished sessions.

<https://www.openlm.com/wp-content/uploads/2017/10/Reporting-Hub-Data-Structure.mp4>