ELO Sync

Database

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Setup

The following settings must be changed in the ELO Sync configuration file:

1. Change Database in the database type to be used, e.g. Postgres.
2. Insert the connection string in the ConnectionStrings section.

Supported databases

All the supported database providers and the .NET package used by ELO Sync to access the provider are listed in this table.

Database	Supported versions	Provider package
PostgreSQL	12.20 or higher	Npgsql.EntityFrameworkCore.PostgreSQL
Microsoft SQL Server	2016 or higher, Azure SQL	Microsoft.EntityFrameworkCore.SqlServer

Table overview

This section contains a short description of the database tables currently used by ELO Sync.

All the tables used by ELO Sync have the prefix elosync_.

Table	Description
elosync_approvaldetails	Details for approvals
elosync_approvals	Actions that must be approved by users
elosync_claimidentities	Identities that are assigned synchronization jobs.
elosync_claims	Claims for each identity.
elosync_data_mappings	Data mappings between elements. The connected elements always have the same name, contents, and metadata.
elosync_EFMigrationsHistory	Contains the migration history for all ELO Sync tables.
elosync_elosynctargets	The configured synchronization targets in the ELO repositories, usually folders
elosync_fields	Contains data for fields that are synchronized.
elosync_masks	All metadata forms referenced by synchronization jobs only contain reference data. The actual configuration data is loaded from the repository.
elosync_msal	Data required for the MSAL library.
elosync_msalactivities	User authentications via the MSAL library also contain the last sign-in date.
elosync_onedrivesynctargets	The configured synchronization targets in OneDrive, either drives or folders in drives.
elosync_settings	The data linked to the settings.
elosync_sharepointsynctargets	The configured synchronization targets in SharePoint Online, either sites, lists, or folders
elosync_structure_mappings	The structural mappings between elements. The connected elements are always moved to the same relative position in the synchronized structure.
elosync_syncactivities	The logged activities of listed synchronization jobs.
elosync_syncactivitydetails	Details for logs.
elosync_synccollections	The collections contained in the synchronized systems. Each system can contain several collections.
elosync_syncconflictdetails	Details on the currently active synchronization conflicts.
elosync_syncconflicts	All the currently active conflicts when synchronizing items across systems. Each conflict must be resolved by a user.
elosync_syncitem_fields	Data for field groups.
elosync_syncitems	The elements that are contained in the synchronized collections. Each collection has multiple elements.

Table	Description
elosync_syncjobs	All synchronization jobs that are managed by ELO Sync.
elosync_syncjobstrigger	Relation table between synchronization jobs and triggers.
elosync_syncsystems	The systems referenced by synchronization jobs.
elosync_trigger	List of individual triggers that can trigger synchronization of synchronization jobs.

ER Diagram

This diagram shows all database entities and their relationships to one another as well as the property values they contain.

