

Interface Specification

FBS-14789

Patron import from third parties

Interface Specification

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1 Introduction

This document describes how Cicero LMS interacts with third party School information Systems (SIS).

The target group for this document is the customers and users of Cicero LMS importing loaners from institutions tracked by a third-party SIS.

2 Use cases

2.1 Import loaners from Tieto SIS

A system administrator can configure in LMS the import settings for loaner retrieval from Tieto SIS.

He can enable a scheduled task for automatic import or manually force an import.

If the service is not available, then an error is logged, and the operations will react to this. The import will be attempted again at the next scheduled time or can be forced manually.

2.1.1 Integration

Cicero LMS will periodically import the students and employees from Tieto's service.

See Tieto's interface specification here:

<https://github.com/ExchangeServices/API/tree/master/Organization%20API/v8>

For Cicero LMS to connect to Tieto, the school must provide the LicenseKey and InstitutionType for Cicero to be configured.

2.2 Import loaners from IST SIS

A system administrator can configure in LMS the import settings for loaner retrieval from IST SIS.

He can enable a scheduled task for automatic import or manually force an import.

If the service is not available, then an error is logged, and the operations will react to this. The import will be attempted again at the next scheduled time or can be forced manually.

2.2.1 Integration

Cicero LMS will periodically import the students and employees from IST service.

See IST's interface specification here:

<https://api.ist.com/ss12000v2-api/>

Please notice that the groups below the specific school/institution is collapsed in order to avoid too deep hierarchy.

For Cicero LMS to be configured to connect to IST, the school must provide the customerID and for which institutions the data should be imported for.

2.3 Import loaners from SchoolSoft

A system administrator can configure in LMS the import settings for loaner retrieval from SchoolSoft.

He can enable a scheduled task for automatic import or manually force an import.

If the service is not available, then an error is logged, and the operations will react to this. The import will be attempted again at the next scheduled time or can be forced manually.

2.3.1 Integration

Cicero LMS will periodically import the students and employees from the SchoolSoft service.

See SchoolSoft's interface specification here:

<https://sms.schoolsoft.se/demomaster/ss12000beta/swagger-ui/index.html>

For Cicero LMS to be configured to connect to SchoolSoft, the school must provide the municipality of the school and for which institutions the data should be imported for.

The URL for connecting to SchoolSoft will be provided by them and will have the following format:

<https://sms.schoolsoft.se/{Municipality}/ss12000beta>

2.4 Import loaners from Feide

A system administrator can configure in LMS the import settings for loaner retrieval from Feide.

He can enable a scheduled task for automatic import or manually force an import.

If the service is not available an error is logged, and the operations will react to this. The import will be attempted again at the next scheduled time or can be forced manually.

2.4.1 Integration

Cicero LMS will periodically import the students and employees from the Feide service.

See Feide's interface specification here:

<https://docs.feide.no/reference/apis/>

For Cicero LMS to be configured to connect to Feide, the school must provide the Feide domain for school and for which institutions the data should be imported for.

The URLs for connecting to Feide will be provided by them and will have the following format:

<https://groups-api.dataporten.no/groups/v1/orgs/{domain}/groups>

<https://api.dataporten.no/userinfo/v1/lookup>

where domain is the school's domain on Feide, e.g. feide.osloskolen.no

3 Configurations

For configuration of the service, please refer to the user manual for the system.

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