SYSTEMATIC

Interface Specification
FBS-14789

Cicero integrations to DBC services

Interface Specification

Project: 14789 - FBS
Revision: Revision: 1.9 Date: 06 May 2020
Document: SSE/14789/IFS/0008

Copyright (c) 2018 by Systematic Group. It shall not be copied, reproduced, disclosed or otherwise made available to third party without previous consent from Systematic Group

Table of Contents

1 Introduction 5
1.1 References 5

2 OpenSearch 6
2.1 Purpose with the integration 6
2.2 Usage 6
2.3 Error scenarios 6
2.4 More information 6

3 Open ADHL 6
3.1 Purpose with the integration 6
3.2 Usage 6
3.3 Error scenarios 6
3.4 More information 6

4 Build 6
4.1 Purpose with the integration 6
4.2 Usage 7
4.3 Error scenarios 7
4.4 More information 7

5 Update 7
5.1 Purpose with the integration 7
5.2 Usage 7
5.3 Error scenarios 7
5.4 More information 7

6 HoldingsItemsUpdate 7
6.1 Purpose with the integration 7
6.2 Usage 8
6.3 Error scenarios 8
6.4 More information 8

7 UpdateMarcXchange 8
7.1 Purpose with the integration 8
7.2 Usage 8
7.3 More information 8

8 OpenAgency 8
8.1 Purpose with the integration 8
8.2 Usage 8
8.3 Error scenarios 9
8.4 More information 9

9 MoreInfo 9
9.1 Purpose with the integration 9
9.2 Usage 9
9.3 Error scenarios 9
9.4 More information 9

10 Open Suggestion Service 9
10.1 Purpose with the integration 9
10.2 Usage 10
10.3 Error scenarios 10
10.4 More information 10

11 CULR 10
11.1 Purpose with the integration 10
11.2 Usage 10
11.3 Error scenarios 10
11.4 More information 10

1 Introduction

This document describes Cicero LMS' integrations with DBC's services. The document will include from where and when the integrations is used.

The target group for this document is customers and users of Cicero LMS where the infrastructure supplied by DBC is available.

1.1 References

Reference	Titel	Link
[SDD0003]	Cicero LMS - Solution Architecture	Contact Systematic for the document.

2 OpenSearch

2.1 Purpose with the integration

This integration allows users of Cicero LMS to search for and retrieve bibliographic records from the national catalogue of bibliographic records (da: DBC's databrønd).

The service is provided by DBC.

2.2 Usage

Everywhere users search for or looks at bibliographic information, the information is mainly received through this integration. Furthermore when the business logic requires bibliographic information, the server uses this integration to fetch the bibliographic record, either by search (operation: search) or by looking up the faust number (operation: getObject).

The users query the OpenSearch service using CQL language with DBC specific indexes.

2.3 Error scenarios

If the service is not available then the error handling strategy "User/system expects result of invocation" described in [SDD0003] applies.

2.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/open-search-web-service

3 Open ADHL

3.1 Purpose with the integration

This integration allows users of Cicero Web to see other books that can be of interest.

The service is provided by DBC.

3.2 Usage

When looking at a bibliographic record from Cicero Web, similar records are shown as inspiration for the user.

3.3 Error scenarios

If the service is not available then the error handling strategy "User/system expects result of invocation" described in [SDD0003] applies.

3.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/open-adhl

4 Build

4.1 Purpose with the integration

This integration fetches a new faust number and the mandatory fields based on the template chosen when the user is cataloging a new bibliographic record.

The service is provided by DBC.

4.2 Usage

When the user is creating a new bibliographic record, a new faust number is fetched using this service together with the mandatory fields described in the template chosen by the user.

4.3 Error scenarios

If the service is not available then the error handling strategy "User/system expects result of invocation" described in [SDD0003] applies.

4.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/build

5 Update

5.1 Purpose with the integration

This integration allows the user to perform cataloging actions in the user interface of Cicero LMS. Furthermore, this service is used to fetch the templates used in the build-service to fetch the mandatory fields and the templates is then used when validating the record.

The service is provided by DBC.

5.2 Usage

The service is used to validate and check for duplicate records when the user is creating or updating an existing bibliographic record.

Furthermore the service is responsible for providing the templates that can be chosen by the user when creating or updating existing records.

5.3 Error scenarios

If the service is not available then the error handling strategy "User/system expects result of invocation" described in [SDD0003] applies.

5.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/update

6 HoldingsItemsUpdate

6.1 Purpose with the integration

This services ensures the holding information is synchronized between Cicero LMS and DBC's services.

The service is provided by DBC.

6.2 Usage

Whenever a material is updated, lend out, checked in, discarded or similar, then the service is invoked with the new information, so it will become available for searches using the OpenSearch service. See section 2.

6.3 Error scenarios

If the service is not available then the error handling strategy "Asynchronous notification / update to external system" described in [SDD0003] applies.

6.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/holdings-items-update

7 UpdateMarcXchange

7.1 Purpose with the integration

This service is provided in order to update the bibliographic records in an agencies instance of Lyngsøe Systems A/S' Intelligent Materialestyring-system (IMS).

The service is provided by Cicero LMS for DBC to invoke.

7.2 Usage

Whenever data in a bibliographic record changes, then DBC will invoke this service for each of the agencies which has registered holdings on this record. As the purpose of the service is to ensure that the bibliographic post in the IMS-system is updated, this will only be invoked for agencies which has the integration.

Invoking this service will only have effect if invoked for an Agency with integration to the IMS system.

Agencies that has the IMS system and wishes to retrieve these updates, must be registered for these updates at DBC before they will invoke this service for those agencies.

7.3 More information

- WSDL: https://[cicero-server-url]/UpdateMarcXchangeServices?wsdl

  (Contact Systematic to obtain the exact [cicero-server-url])

8 OpenAgency

8.1 Purpose with the integration

Ensures that relevant information registered in DBC's VIP-system is available to Cicero LMS, like search profiles, library information or VIP synchronization (library loaners sync).

The service is provided by DBC.

8.2 Usage

When Cicero LMS is integrating to the municipality's debtor-system, then the agency's CVR number is needed in order for the integration to be successful and Cicero LMS uses this service in order to retrieve the CVR number, hence it must be registered in DBC's VIP-system.

When using the functionality for searching bibliographic records, the user must specify a searching profile and the list of profiles is retrieved using this service.

When an interlibrary loan must be transferred between requesting and supplying agency, then a routeplan must be printed, and the data for the routeplan is retrieved from this service.

If VIP synchronization is enabled (i.e. updating/creating library loaners), the service is automatically triggered around midnight. No manual trigger is available. When calling for the first time, a full synchronization is performed for the current agency. Otherwise an incremental sync takes place, retrieving only the updated library loaners since a specific date. The service determines if the library loaner exists in the Loaner table and performs an update. If the loaner does not exist, then it is created.

8.3 Error scenarios

If the service is not available then the error handling strategy "User/system expects result of invocation" described in [SDD0003] applies.

8.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/open-agency

9 MoreInfo

9.1 Purpose with the integration

This service is responsible for supplying pictures of the covers for bibliographic records.

The service is provided by DBC.

9.2 Usage

When the user of Cicero LMS or Cicero Web searches for bibliographic records, then the pictures of the covers is displayed. For Cicero LMS the picture is displayed from the detailed view of a bibliographic record.

9.3 Error scenarios

If the service is not available then the error handling strategy "User/system expects result of invocation" described in [SDD0003] applies. In this case an "unavailable" cover image is shown.

9.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/moreinfo

10 Open Suggestion Service

10.1 Purpose with the integration

The purpose of the integration is to provide the users with functionality for auto-complete searches 'as-you-type' in both the administrative client and Cicero Web.

10.2 Usage

The integration is both used by Cicero Web and from the administrative client.

10.3 Error scenarios

If the service is not available then the error handling strategy "User/system expects result of invocation" described in [SDD0003] applies. In this case no suggestions are displayed.

10.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/open-suggestion-service

11 CULR

11.1 Purpose with the integration

This service ensures the patron information is synchronized between Cicero LMS and DBC's CULR service. CULR (Core User Library Registry) contains local user identifiers from affiliated data providers (eg. libraries). If they enable the integration, libraries can act as *data providers* to CULR system. A *Provider* is a provider of data to CULR, ie. an institution (such as a library) that have user accounts attached. Providers are allowed to create, delete, or modify data.

The service is provided by DBC.

11.2 Usage

When enabled, the service can be triggered manually for a full synchronization. After this, CULR is automatically updated immediately when a new patron is created, and every hour for patrons modified since the last synchronization. CULR is updated when a patron's loaner identifiers are created, modified, deleted or blocked, or when a patron changes municipality.

11.3 Error scenarios

If the service is not available then the error handling strategy "Scheduled import of data from external system" described in [SDD0003] applies.

11.4 More information

For a more detailed description of the service, see DBC's documentation: https://opensource.dbc.dk/services/culr

SYSTEMATIC

Denmark

Søren Frichs Vej 39
8000 Aarhus C, DK
Tel.: +45 8943 2000
more.info@systematic.com

Landgreven 3, 2.sal
1301 Copenhagen K, DK

Australia

Level 4 & 5, 15 Moore Street
Canberra City, ACT 2600, AU
Tel.: +61 (0)2 6169 4088
more.info.au@systematic.com

Finland

Finlaysoninkuja 19
33210 Tampere, FI
Tel.: +358 207 463 870
more.info.fi@systematic.com

France

5 Place de la Bastille
75004 Paris, FR
Tel.: +45 8943 2000
(HQ in Denmark)
more.info.fr@systematic.com

Germany

Im Zollhafen 24
50678 Köln, DE
Tel.: +49 221 650 783 71
more.info.de@systematic.com

New Zealand

15 Level, 171 Featherston Street
Wellington 6011, NZ
Tel.: +64 04 894 8571
more.info.nz@systematic.com

Romania

17, Thomas Masaryk Street
Danish House, floors 1-4
Old Building, Ground Floor and 1st floor
2nd district, 030167, Bucharest, RO
Tel.: +40 770 214029
more.info.ro@systematic.com

Singapore

15 Hoe Chiang Road
#12-02 Tower Fifteen
Singapore 089316
Tel.: +65 6653 7492
more.info.sg@systematic.com

Sweden

Ostermalmstorg 1, 4th Floor
Stockholm 114 42, SE
Tel.: +46 770 770109
more.info.se@systematic.com

UAE

World Trade Centre, Level 17, Suite 56
Abu Dhabi, UAE
Tel.: +971 2 654 4675
Fax: +45 8943 2020
more.info.uae@systematic.com

United Kingdom

Meadow Gate, Farnborough Airport
Farnborough, Hampshire
GU14 6XA, UK
Tel.: +44 1276 675533
more.info.uk@systematic.com

United States of America

5875 Trinity Parkway, Suite 130
Centreville, Virginia 20120-1971, USA
Tel.: +1 703 385 7522
more.info.us@systematic.com