SYSTEMATIC

Interface Specification

FBS-14789

FBS IMS Specification

Simplifying critical decision making

Interface Specification

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1   Introduction

This document describes Cicero LMS' integrations with Lyngsøe Systems A/S' Intelligent Materialestyring-system (IMS) services. The document covers where and when the integrations are used.

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

1.1   References

Reference	Titel	Link
[IMS-BS]	IMS-BS Interface-specifikation	Kontact Lyngsøe Systems A/S for this document.
[IFS0008]	Cicero integrations to DBC services	Contact Systematic for the document
[USM0039]	Opsætning af Cicero IMS	Contact Systematic for the document
[SDD0003]	Cicero LMS - Solution Architecture	Contact Systematic for the document.

2 The initial data synchronization

Before Cicero can be used with IMS an initial data synchronization has to be done. See [USM0039] for more details. After Cicero has generated the CSV files, they are uploaded to an FTP server and the initialDataReady call is made to IMS as described in [IMS-BS].

The BibliographicRecord.csv is empty as Cicero provides bibliographic record data by sending BibliographicRecordCreatedOrUpdatedNotifications. This is done by having DBC report all the bibliographic records the agency has holdings on by invoking the UpdateMarcXchange service in Cicero. Whenever this service is invoked a BibliographicRecordCreatedOrUpdatedNotification is created and sent to IMS. See more information about this service in [IFS0008].

3 Ims4Ils Web Service (Cicero to IMS)

3.1 Purpose with the integration

This integration allows Cicero to send notifications to IMS. It also allows Cicero to ask for the destination of an item and for signaling that the initial data is ready for retrieval.

3.2 Usage

DeliverNotifications is called periodically to deliver all notifications generated since it was last called. If IMS is down it will keep trying to send notifications that are generated by Cicero. Cicero can generate different types of notifications. An ItemCreatedOrUpdatedNotification is generated whenever a material is created or updated in Cicero for instance. See [IMS-BS] for the list of notifications that can be generated.

GetDestinationForItem is used when scanning a material in Cicero.

InitialDataReady is used during the initial data synchronization after Cicero has generated and uploaded the CSV files to the FTP server.

3.3 Error scenarios

DeliverNotifications is used in a scheduled task so if the service is not available then the error handling strategy "Scheduled import of data from external system" described in [SDD0003] applies.

GetDestinationForItem is used when a material is sorted so if the service is not available then the error handling strategy "User/system expects result of invocation" described in [SDD0003] applies. Specifically in this case the system will use the normal float group rules to determine the destination for the material.

InitialDataReady is used during the initial data synchronization so if the service is not available then the error handling strategy "Asynchronous notification / update to external system" described in [SDD0003] applies.

3.4 More information

https://ims.lyngsoesystems.com/docs/webservices/WS-Ims4Ils.html

4 Ils4ImsService Web Service (IMS to Cicero)

4.1 Purpose with the integration

This integration allows IMS to send notifications to Cicero. It also allows IMS to signal that the initial data has been processed and delivering of notifications may begin during the initial data synchronization.

4.2 Usage

DeliverNotifications is called when materials and reservations are updated by IMS.

InitialDataProcessed is called when the initial data has been processed and Cicero should start sending notifications.

CheckForArchival is called to check if a discarded material is of interest for the e-Depot service. It returns true if e-Depot is interested, otherwise it returns false. It is assumed that the material can be discarded and is eligible for e-Depot (the material is a monography and is the last copy).

4.3 More information

https://ims.lyngsoesystems.com/docs/webservices/WS-Ils4ImsService.html

5 AdministrationService Web Service

5.1 Purpose with the integration

This integration allows Cicero to fetch a list of categories used when creating the first material on a bibliographic record.

5.2 Usage

GetCategories is called when creating purchases in Cicero. In the purchase view the list of categories is displayed where one can be selected.

5.3 More information

https://ims.lyngsoesystems.com/docs/webservices/WS-AdministrationService.html

6 SecurityService Web Service

6.1 Purpose with the integration

This integration allows Cicero to login which will provide Cicero with a login token that can be used in the IMS AdministrationService.

6.2 Usage

Login is called before calling AdministrationService.

6.3 More information

https://ims.lyngsoesystems.com/docs/webservices/WS-SecurityService.html

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