

Interface Specification

Importing MARC21 records from FTP

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Interface Specification

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1 Introduction

This document outlines the setup required to enable Cicero to import bibliographic records from folders on an FTP server. It is intended for individuals responsible for configuring Cicero, the FTP server, and third-party systems seeking to understand the technical details of Cicero's interaction with FTP servers.

Imports are scheduled to run once every night. During the process, MARC21 records are converted into the EDM cataloguing model.

Note that this functionality is not available for agencies using the MARC21 cataloguing model.

1.1 References

Reference	Title	Link
[MARCXML]	XML format for MARC21	http://www.loc.gov/standards/marcxml/schema/MARC21slim.xsd
[ISO 2709]	Binary MARC	https://en.wikipedia.org/wiki/ISO_2709

2 Interfaces

The integration is scheduled to run once every night, importing the content from any files that have been uploaded. In case an import is urgent, use the file import functionality from Cicero Mobile.

The integration works with FTP and FTPS servers.

The server must

- have at least one folder that contains MARC21 records
- have at least one folder for archival of imported files – this can be a subfolder of the record folder, but does not have to be
- have at least one folder for archival of files that failed to import due to malformed content - this can be a subfolder of the record folder, but does not have to be

It is a requirement for the FTP server that the FTP user that will be configured in Cicero Mobile has permissions to

- Read files from the folder containing records
- Rename/move files from the record folder to the archival/failure folder

The files in the records folder can be either [ISO 2709] files or [MARCXML] files

The integration auto-detects the format, there is no requirements to filenames used. All files in the record folder will be considered a candidate for import. The import is non-recursive, so files in subfolders will not be imported.

3 Configurations

In Cicero Mobile, the "Advanced settings/Cicero Catalogue/FTP endpoint and folders for external sources" needs to be configured.

- FTP server authentication
 - Host
 - Port
 - Username
 - Password
- External sources for bibliographic records
 - Name of external source that provided the records (this name will also be available as a source choice when importing files through Cicero Mobile)
 - Record folder (absolute path)
 - Archive folder (absolute path)
 - Failure folder (absolute path)
- External sources for material selection lists
 - Name of external source that provided the records (this name will also be available as a source choice when importing files through Cicero Mobile)
 - Record folder (absolute path)
 - Archive folder (absolute path)
 - Failure folder (absolute path)

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