

**Interface Specification**

FBS-14789

**Cicero Printing Specification**

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**Interface Specification**

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## 1 Introduction

This document describes how Cicero LMS client interacts with printers.

The target group for this document is employees at the library that would like to understand the technical details of how Cicero LMS interacts with printers.

### 1.1 References

Reference	Titel	Link
[Setup Print templates]	Vejledning til opsætning og tilpasning af udskrifter	<a href="https://cicerconnect.zendesk.com/hc/da/articles/360010217157">https://cicerconnect.zendesk.com/hc/da/articles/360010217157</a>
[SDD0003]	Cicero LMS - Solution Architecture	Contact Systematic for the document

## 2 Printing

The implementation of printing in Cicero LMS is done using the Java printing libraries, which integrates with the print functionality of the operating system.

The printing libraries allows to determine the printers installed on the workstation, which we use in the administrative part of the application to allow the user to select default printers. When printing directly without a dialogue the default settings of the printer configured in the operating system is used.

Java printing libraries also allow showing a print dialogue, where the printer and settings can be chosen manually. The print dialogue will be displayed if a default printer is not set in Cicero.

There are three types of printers supported: A4 printer, receipt printer and label printer.

FreeMarker templates are used to setup the pages to print, the use and changing of those templates are described in [Setup Print templates].

### 2.1 Error handling

Error handling strategy "User/system expects result of invocation" described in [SDD0003] applies if an error occurs in the Java printing libraries. The user is asked if he/she wants to save the failed print in a file instead.

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