

Interface Specification

FBS-14789

Cicero Email Specification

Table of Contents

1	Introduction	3
1.1	References	3
2	Use cases	3
2.1	Reading.....	3
2.2	Sending	3
3	Configurations	3
3.1	Email server hostname.....	3
3.2	Email server username.....	3
3.3	Email server password	4
3.4	Email server requires authorization.....	4
3.5	Email server port.....	4
3.6	Email server SSL/TSL.....	4
3.7	Email server STARTTLS	4
3.8	Email server trust.....	4
3.9	Google service account info	4

Interface Specification

Project: FBS-14789
Revision: Revision: 3.0 Latest major rev. date: 26 Sep 2024 12:50 UTC
Document: SSE/14789/IFS/0018

Copyright (c) 2024 by Systematic Group. It shall not be copied, reproduced, disclosed or otherwise made available to third party without previous consent from Systematic Group

1 Introduction

This document describes how Cicero interacts via Email.

The target group for this document is the people who setup the email configurations in Cicero.

1.1 References

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

2 Use cases

2.1 Reading

Cicero read emails via IMAP in the following use cases:

- Reading Library Order Proposals
- Reading Ship Notices
- Reading orders from Biblioteksentralen

Error handling strategy "Scheduled import of data from external system" described in [SDD0003] applies.

2.2 Sending

We send emails via SMTP in following use cases:

- Notifications to loaners: Error handling strategy "Asynchronous notification / update to external system" described in [SDD0003] applies.
- Sending orders and pseudo orders to suppliers: Error handling strategy "User/system expects result of invocation" described in [SDD0003] applies.
- Send success and error responses to received Ship Notices and Library Orders: Error handling strategy "Scheduled import of data from external system" described in [SDD0003] applies.

3 Configurations

In Cicero, different email servers can be used for different purposes. The necessary configurations are described below. The following information should be available both when configuring outgoing mails (SMTP) and incoming email (IMAP).

3.1 Email server hostname

Hostname to the email server.

3.2 Email server username

The username for the email server.

The parameter is *mandatory*.

3.3 Email server password

The password for the email server.

3.4 Email server requires authorization

Boolean value whether or not Cicero should authorize against the email server.

The parameter is *mandatory*.

3.5 Email server port

Port on email server that is used by Cicero.

The parameter is *mandatory*.

3.6 Email server SSL/TSL

Specify "SSL" or "TSL" for encrypted communication between the server and Cicero. If nothing is specified an unencrypted connection is used.

3.7 Email server STARTTLS

If true, and the server supports it, the connection is switched to a TLS-protected connection before the login command is executed.

3.8 Email server trust

If set to "*" then all servers are trusted. The list can contain multiple servers (white space separated) that is trusted by the client. If left empty then it depends on the certificate then the server presents.

3.9 Google service account info

If "Email server hostname" is configured to "smtp.gmail.com" or "imap.gmail.com", then this configuration must be set. It will be used for authentication instead of "Email server password" which is then no longer required.

The value of this configuration must be the entire text content of the JSON key for the Google Cloud service account.

The service account must be part of the same project as the user set in "Email server username". The service account must also have "Domain wide delegation" with the "<https://mail.google.com/>" scope.

SYSTEMATIC

Denmark - HQ
Aarhus
Copenhagen

Australia
Canberra
Brisbane

New Zealand
Wellington

United Arab Emirates
Abu Dhabi

Canada
Gatineau

Romania
Bucharest

United Kingdom
Farnborough

Finland
Tampere

Sweden
Stockholm

United States of America
Centreville, VA

Germany
Cologne

To find more specific office details please scan the QR code below



www.systematic.com