

Interface Specification

FBS-14789

Cicero UNI-Login authentication

Interface Specification

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1 Introduction

This document describes the integrations of the UNI-Login authentication in Cicero LMS and Cicero Surf. The document covers where and when the integrations are used.

It is two different services the system uses, one in Cicero LMS and one for Cicero Surf. It is the agencies that have a data agreement with STIL, which uses the institution number.

The target group for this document is customers and users of Cicero LMS and Cicero Surf where the users handle loaners with an UNI-login account.

1.1 References

Reference	Titel	Link
[Single Login]	STIL UNI login Single Login	https://viden.stil.dk/display/INFRA2/SSO+Proxy+snitflade+til+login+og+autentificering#SSOProxysnitfladetilluginogautentificering-Uniloginautentificering
[webauth]	STIL UNI login adgangskontrol	http://www.stil.dk/~media/STIL/Filer/Publikationer/Tekniske%20vejledninger/uni-login-adgangskontrol.pdf
[SD0003]	Cicero LMS - Solution Architecture	Contact Systematic for the document.

2 Implementation in Cicero LMS

In Cicero LMS the UNI login Single Login service is used to authenticate loaners (see [Single Login]). The service is then used to authenticate the loaner and if the authentication from the UNI-Login Single Login is successful, we use the returned data from UNI-Login to try and find the user in Cicero LMS. In Cicero LMS the loaners have their UNI-Login username as an identifier, which is how we can find them. The user is granted access to the self-service client if the authentication returned by UNI Login is valid and the user exists in Cicero LMS.

2.1 Configuration

There should be set a project, a return URL and a context when communicating with the UNI-Login Single Login together with a username and password. See [Single Login] for a description of the parameters. These parameters are global configurations setup for all users of Cicero LMS.

The URL where to direct the authentication is <https://sli.emu.dk/unilogin/login.cgi>

2.2 Usage

When the self-service client is configured to use UNI-Login, then the user will be presented with a screen to provide username and password, then the following will happen:

1. The client contacts the server and redirects the user to the UNI-Login login page.
2. The credentials entered by the user are run through UNI-Login's Single Login service.
3. If UNI-Login can authenticate the credentials, the loaner is then looked up in Cicero LMS.
4. If the loaner exists in Cicero LMS, then access to the self-service client is allowed.
5. When the home button is pressed/scanned or session is timed out, then logout the user.

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.

3 Implementation in Cicero Surf

In Cicero Surf the UNI login access control service is used to authenticate loaners (see [webauth]). The service is then used to authenticate the loaner and if Cicero Surf receives a ticket from the UNI login service, then we allow access to reserve and book materials.

3.1 Configuration

There should be set a project, a return URL and a context when communicating with the service together with a username and password. All configurations are saved in the apache httpd.conf. See [webauth] for a description of the parameters. These parameters are global configurations for all users of Cicero Surf.

3.2 Usage

When a user wants to login with UNI login, then the system redirect to <https://sso.emu.dk/unilogin/login.cgi> where the path parameters are:

1. An id field which is the username
2. A path field which is the return URL which first is encoded with base64 and afterwards URL encoded.
3. An auth field which is the hash value of the return URL concatenated with the password.

Now the service redirect the loaner to <https://login.emu.dk/> where the loaner can enter login information. After a successful login, the service sends back a ticket Cicero Surf uses to login in the loaner.

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.

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