Shibboleth SSO - Charles University case study

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Agenda

• Vision, goal, project
• Implementation - SFX, MetaLib, Aleph, DigiTool
• Sharing resources, future development
Welcome & enjoy :-)
Goal, vision

- All library systems & electronic resources working in Single-Sign-On environment
- Plan presented at IGeLU 2010 conference workshop in Ghent
Charles University in Prague context

- 17 faculties, 3 institutes, hundreds of departments
- 2 institutes jointly run with Czech Academy of Sciences
- ~ 60 000 students and staff
Charles University in Prague context

• SFX, bX, MetaLib, Aleph, DigiTool, Verde
• EZproxy, E-resources Portal
• ~150 subscribed electronic on-line resources, databases, ~65000 ejournals, ~51000 ebooks
Charles University in Prague context

- decentralized subscription policy - not all resources are subscribed for all students and stuff
Charles University in Prague context

- AAI: central LDAP, Shibboleth IdP
- CESNET member
- Czech Academic Identity Federation eduID.cz member
- involved in national and international projects
Project

• reach the goal - SSO
• CESNET funded
• case-study
• guides
• finish summer 2011
Project

- SFX, MetaLib, Aleph, DigiTool
- E-resources Portal
- EZproxy
- CMS - Document Globe
- Streaming & Podcast servers
SFX

- Shibboleth authentication is not supported, IP address based authentication only
- Shibboleth WAYFless linking is supported
SFX

- authentication method switched from IP address based to Shibboleth
- EZproxy configured as a proxy
- PROXY institution defined with IP address range 0.0.0.0 - 255.255.255.255
- institutions kept, but IP address ranges deleted
- PROXY institution added to all targets and activated
SFX

• WAYFless linking set up for all resources supporting Shibboleth authentication

• (EZ)proxy linking set up for all resources without native Shibboleth authentication support

• Implemented by Michael Zach & Jiri Pavlik
MetaLib

- Shibboleth authentication is supported in PDS authentication module
- multiple users affiliations are not supported in authorization
MetaLib

- Shibboleth Service Provider installed & registered in eduID.cz federation
- authentication method at PDS switched from LDAP to Shibboleth
- set up WAYF skipping in SP configuration
- authorization mapping tuned in MetaLib configuration, based on eduPersonEntitlement attribute values
MetaLib

- CAS admin preferred primary affiliation functionality developed

- Implemented by Martin Ledinsky & Jan Krajic & Michal Vocu & Jiri Pavlik
You are here: home → vyhledávač

QuickSearch | Find Database | Find e-Journal | MetaSearch | My Space | Portal
Search | Results

Simple | Advanced

QuickSets
- Primo Central
- Search Fulltext
- Search Bibliography

University Libraries
- Catalogues of Faculties

powered by ExLibris MetaLib
Turn Off Auto Refresh

Basic steps

1. Click on grey lock icon (in upper right corner) and fill in your LDAP name and password.
2. Choose a Quick Search Resource set which you want to search.
3. Enter your search query (eg. author, title or keyword).
4. Click the OK button.
5. After processing your query (it can take up to 60 seconds) you can work with search results.

Detailed help
This page requires sign-on using Central Authentication Service!

Central Authentication Service of Charles University

NetID: pavlik@uvt.cuni.cz
Password: ********

Enter your personal number printed under the photo at ID card as your username. You can also use your faculty login complete with domain (ie. login@faculty.cuni.cz).

Enter your password, check for keyboard settings (language version, CapsLock).

For security reasons, please Log Out and Exit your web browser when you are done accessing services that require authentication!

Login button

English  Czech

casadmin@cuni.cz

Powered by JA-SIG Central Authentication Service 3.3.
you are here: home → vyhledávač

QuickSearch

Simple
Advanced

GO

MySets
- Temporary set

QuickSets
- Primo Central
- Search Fulltext
- Search Bibliography

Powered by ExLibris MetaLib
Turn Off Auto Refresh
Aleph

- Shibboleth authentication is supported in PDS authentication module
- no authorization need
Aleph

- Shibboleth Service Provider installed & registered in eduID.cz federation
- authentication method at PDS switched from LDAP, Aleph to Shibboleth
- Aleph authentication kept for ILL users
- set up WAYF skipping in SP configuration
Aleph

- Implemented by Jaro Sivak & Jan Krajic & Jiri Pavlik
CENTRAL CATALOG of CHARLES UNIVERSITY

Logical bases for the faculty libraries

Catalog of 1st Faculty of Medicine CU
Catalog of 2nd Faculty of Medicine CU
Catalog of 3rd Faculty of Medicine CU
Catalog of Faculty of Pharmacy CU
Catalog of Faculty of Medicine in Hradec Kralove
Catalog of Faculty of Medicine in Pilsen CU
Catalog of Protestant Theological Faculty CU
Catalog of Hussite Theological Faculty CU
Catalog of Catholic Theology Faculty of Charles University
Catalog of the Masaryk's Social Sciences Library, Jinonice
Catalog of the Library of Faculty of Social Sciences CU
Catalog of the Library of Law Faculty
Catalog of the Social Library of Faculty of Education CU
• Shibboleth authentication is supported in PDS authentication module

• multiple users affiliations are supported in authorization
DigiTool

- Shibboleth Service Provider installed & registered in eduID.cz federation
- authentication method at PDS switched from LDAP, DigiTool to Shibboleth
- separate IdP started for registered external users authentication - no anonymous access to diploma works
DigiTool

- authorization mapping tuned in DigiTool configuration, based on eduPersonEntitlement attribute values
- federated authentication set up
  - own WAYF, eduID.cz members and the external users IdPs are listed
- Implemented by Andrea Fojtu & Jan Krajic & Michal Vocu & Jiri Pavlik
Charles University in Prague electronic theses and dissertations (CUNI ETDs)
CUNI ETDs is a growing collection of Master's, Bachelor's and Ph.D. theses authored by CUNI students. Full-text freely available after login/registration. Further information (the "i" icon) only available in Czech language.

Charles University Rectorate
Working materials and documents produced by the Rectorate. Access is restricted to staff only (all University staff).

CERGE-EI
Articles and dissertations authored by the students of the Center for Economic Research & Graduate Education. Full-texts are available as open access.
Select an identity provider

The Service you are trying to reach requires that you authenticate with your home organization, enter the name below.

Enter institution name:

Academy of Performing Arts in Prague
Academy of Sciences Library
Brno University of Technology
Ceske vysoke uceni technicke v Praze
CESNET
CESNET (idp2.cesnet.cz)
Charles University in Prague - external users
FEL CVUT Praha
Jan Evangelista Purkyne University in Usti nad Labem
Masarykova univerzita
Mendel University in Brno
Moravian Library
Palacký University, Olomouc
Slezska univerzita v Opave
Technical University of Liberec
The National Library of the Czech Republic
University of Ostrava
University of South Bohemia
Univerzita Karlova v Praze
Univerzita Pardubice
VSB - Technical University of Ostrava
Západočeská univerzita v Plzni
EZproxy

• configured as a proxy pro SFX

• set up authentication skipping for access from appropriate University IP address ranges

• configurations for resources with native Shibboleth support kept as a backup access

• Implemented by Petr Novak & Jiri Pavlik
Sharing resources

• guides available at eduID.cz Wiki
  • http://www.eduid.cz/wiki/eduid/admins/howto/deploy/index#knihovni_systemy

• using by: Masaryk University in Brno, Czech Academy of Sciences Library, National Technical Library, Moravian Library, Czech National Library, Tomas Bata University in Zlin, ...

• kept updated
Sharing resources

• presentations & consultations
• test account

• English translation, EL Commons?
• special thanks to Ere Maijala and Ex Libris
Future development

• SFX - Shibboleth authentication support for menu, AZ, statistics, ...

• NERS Enhancement Request in current ballot - Institutes: add Shibboleth authentication
Future development

- MetaLib - authorization supporting users multiple affiliations
- Support Incident
- MetaLib, Aleph, DigiTool - Single Logout
- DigiTool - international authentication: eduGAIN, InCommon federation, ...
Future development

- Academy of Sciences logins for the 2 joined University and Academy institutions members
- Discovery system - Primo
Future development

• Raptor statistics
  • unified top level e-resources usage statistics
  • usage divided by user groups
  • overcome providers inability to deliver statistics divided by user groups
  • overcome missing ebooks statistics support in Ustat
Q & A, contact

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