

Progress Report

Author's Information

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Report

1. Mission statement

The State Technical Library builds, preserves and makes accessible the largest (in the country) collection of Czech and foreign documents related to technology, applied natural sciences and social sciences related to technology to serve predominantly higher education, research and academic community and also general public.

2. Computer Networks and Internet connectivity

Please tell your colleagues about your network type, protocols used, services provider, telecommunication equipment used, etc. below

a. In general HW, SW:

Firewall protected 100Mbit Ethernet LAN, 10MB link to CESNET 2.5GB backbone, 1.2GB international connectivity. Several servers with a mix of OS: unix, Linux, Win NT, Novell. Ca 200 workstations (out of it 25+ for public use) mostly running Win NT, network printers, scanners, etc.

b. New HW, SW; connectivity upgrades:

LAN will be upgraded to 1GB this summer

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3. Library automation

Please tell your colleagues below what library automated system you use, what hardware you use to run it and which unusual modules do you use or develop

a. In general HW, SW:

Library system is also a mix: Czech commercial MARC compliant system (KP-Win) used just for acquisitions & cataloguing; the rest is developed locally: Novell/Dataflex circulation (will be upgraded to unix/Dataflex within a month); unix/Dataflex OPAC (http and wap protocols) and well developed EDD.

b. New HW, SW, other:

"Tertiary base" - a locally developed Oracle database - as a source for Czech STM portal is under testing and is being enhanced. It contains data about availability and possibly direct links to both free and licensed resources available on-line or through EDD. It also contains data about all licenses procured under the grant system of Czech ministry of Education. The TB is linked (as well as all other catalogues are) to the SFX server thus allowing redirection to more services for the requested item.

4. Union catalogue

If you run a Union Catalogue, please specify which software you use and which interesting features are linked to your UC

a. Software used:

System of the Virtual Polytechnic Library (slowly migrating to Virtual Polythematic Library) is developed on unix/Dataflex. It is based on three concepts: Union catalogue of periodicals, Co-ordination of collection development and User Accounts.

Union Catalogue of periodicals does not aim at bibliographic excellence rather it serves ordering of articles for EDD. It also supports co-ordination of acquisitions of participating libraries through a two-phase negotiation tool.

User Account is a personal space on a protected server accessible through https only to name/password identified single unique user; it is bound to a financial account that serves minute payments for services from the deposited amount.

b. New features:

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5. Digital library

If you run a Digital Library, please tell us more in following list items

a. Based on your own production of digital documents:

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b. If so, what is new in your digitalization programmes:

We plan to contribute to the Czech digitised historical periodicals collection "Kramerius" by several titles held only in our collections. The commercial Albertina icome reformatting production line is used.

c. Based on external sources:

Consortial selections of J.Wiley an Academic Press titles and full ACS package were added to the last year reported selection: Science Direct(Elsevier), Minerva M.E.O.S., Web of Science + JCR, Link (Springer), ProQuest5000, Periodical Citation Index, EBSCO (through eIFL Direct), Compendex, INSPEC, Metadex, ICONDA, Computer Select Web. Most of the licensed titles are accessible not only on-site but - depending on licence agreements - also to remote users via UltraAccess2000.

d. Important commercial web services accessible to your users:

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6. New in-house database

Any interesting databases?

See 3 b. and 8. "STM Portal"

7. Special web services

Something nobody else has? Or much better than any other place?

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8. Electronic document delivery

Do you have or plan EDD? How do you fight EU Copyright Directive?

See "Virtual Polytechnic Library" below. Our EDD is provided only to users who sign a written agreement that they use the interim electronic version only to print a single copy for their personal use. All traffic is via eavesdropping excluding https protocol. The EBLIDA Copyright working group found the solution very promising.

9. Research and technology development projects

Any other interesting R&D projects?

The "Virtual Polytechnic Library" project converted local EDD system based on User Accounts [User Account - see under 4 b.] to an ordering system based on the Union Catalogue of periodicals and database of libraries and their services. System includes financial clearing of payments among participants (many of them in both requestor and provider roles) and periodicals acquisitions coordination tool. Project of 9 libraries grew to almost 40 users at present. A portable new Java/MySQL based version of the system is due completion this fall.

The "Portal for Science, Technology and Medicine" project is in its final year. The tertiary database underlying the portal provides access information for all electronic information sources licensed from Czech state grants and if possible provides a starting point to access them, or else provides information how to gain access. The project cooperates with another Czech project Uniform Information Gateway, which makes use of the ExLibris Metalib and SFX, one instance of SFX is customized for STM Portal user needs. Z39.50 protocol was strongly supported to open access to Czech library catalogues. The project of twelve Czech libraries will be completed this year.

10. Other important projects

Anything else you wish others to know about your library?

The State Technical library runs three retrospective conversion projects:

- historical collection (ca 24 000 volumes from 17th to 19th century), which approaches completion this year,
- 0.5 million records of monographs (drawn from various sources: accession lists, withdrawal lists, general catalogue); scheduled for completion within next three years
- 30 thousands cards of periodicals - interim result made available to readers through OPAC, final cleansing will take next 18 months