Cílem je vytvořit integrované rámcové řešení pro uchovávání, které podporuje rozsáhlé, heterogenní a distribuované kolekce, rozličné formáty, měnící se potřeby organizací, nabízí flexibilitu a adaptabilitu za využití velké řady případových studií jako porovnání emulace, migrace a významu metadat při dlouhodobém uchovávání atd.

6.3 Softwarové nástroje

The third study of the nestor project[74] deals with the comparison of existing archiving systems. In this document you can find an overview of known archiving systems (both commercial and open source ones). The following listing is a small extract of the broadly based field of long-term preservation.

6.3.1 Komerční řešení

(Setříděné podle jména organizace)

Organization: Adobe Systems Incorporated
Link:
http://www.adobe.com/enterprise/pdfs/pdfarchiving.pdf#search=%22%20%22pdf%20a%22%20filetype%3Apdf%22
Product: PDF/A
Description: PDF/A is the open International Standards Organization (ISO) file format standard for long-term archiving based on PDF. This standard provides assurance to companies and public agencies that documents archived in PDF/A format will maintain their appearance and accessibility regardless of which applications and systems were used to create them. The result is a superior archival standard that provides excellent accessibility regulations is administrated in the Enterprise Server.

Organization: ARTEC Computer GmbH
Link: http://www.artec-it.de/Datensicherheit/EMA.aspx
Product: E-Mail Archive Appliance (EMA) – The new generation of E-Mail Archiving
Description: EMA allows creating a secure and easily manageable archive of all E-Mail traffic in a company. It is placed in front of the internet connection, as existing systems like E-Mail clients are not touched. All archive files are encrypted with AES-128bit which protects the archive data against abuse and unauthorized access. The Signing Service adds a secure time and date stamp to any archived E-Mail to ensure that the E-Mail has not been modified.

Organization: Dolphin Corporation
Link: http://www.dolphin-corp.com/products/ARC_(archive_retention_cockpit)/
Product: ARC (Archive Retention Cockpit) for SAP
Description: The Archive Retention Cockpit is a unique compliance-driven Dolphin solution for managing retention and disposition of archived documents and data in SAP.

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[74] http://www.langzeitarchivierung.de/downloads/mat/nestor_mat_03.pdf

It is a pure SAP based application which can support any ArchiveLink certified repository.

Organization: Ex Libris
Link: http://www.exlibrisgroup.com/digitool.htm
Product: DigiTool
Reference applications: University of Maryland, Boston Collage, British Library, University Brandeis
Description: DigiTool is an enterprise solution for the management of digital assets in libraries and academic environments. It enables institutions to create, manage, preserve, and share locally administered digital collections. By improving the integration of digital collections with institutional portals and e-learning systems, institutions running DigiTool provide users with a seamless working environment. Long-term aspects are persistent identification, metadata extraction and construction, emulation and migration.
Valuation: Long-term aspects are considered by metadata with orientation by standards, presentation support, handling of complex objects, and using database management system with high dissemination, reliability, and scalability.

Organization: Fraunhofer Institute for Secure Information Technology
Link: http://www.sit.fraunhofer.de/archisoft
Product: ArchiSoft **-** Software platform for long-term archiving of electronically signed documents
Description: ArchiSoft provides components both for the long-term conservation of electronic signatures and the subsequent verification of the archived, electronically signed documents. It implements the proven concepts of the project 'ArchiSig' and is to be connected with any document management system (DMS).

Organization: IBM
Link: http://www-5.ibm.com/nl/dias/
Product: DIAS (Digital Information Archiving System)
Reference application: e-Depot of Koninklijke Bibliotheek (KB)
Description: This solution provides a flexible and scalable open deposit library solution for storing and retrieving massive amounts of electronic documents and multimedia files. It conforms to the ISO Reference OAIS standard and supports physical and logical digital preservation. Physical preservation is supported by the storage manager for media migration.
Valuation: Product is directed towards long-term archiving of digital publications, focus on deposit. For full archive functionality (e. g. search functionality) the integration of other applications is necessary. Restricted information model (only elementary meta data model). Basis are high end products (reliability, scalability, dissemination is given).

Institution: Koninklijke Bibliotheek (KB)
Product: e-Depot
Link: http://www.kb.nl/dnp/e-depot/dm/inleiding-en.html
Description: Long-term archiving and permanent access to Dutch electronic publications is one of the most important tasks of the KB. Electronic publications can be delivered on

offline media (cd-roms, tapes, optical disks) and as online digital publications (e-journals of major publishers). The digital storage system consists of the description, storage and delivery of a growing number of electronic publications. It is expected that the system will store several hundreds of TeraBytes of digital data in a few years time. The system is developed by IBM in close cooperation with the KB.

Organization: Open Text Corporation
Link: http://www.opentext.de/3/sol-products/sol-pro-archiving-imaging.htm
Product:
Livelink ECM – Content Archiving for Enterprise Server
Description: Secure, scalable solution for archiving all data and documents within an organization (legally relevant documents, emails, incoming and outgoing mail, and data from an ERP system.
Product:
Livelink ECM – Email Archiving for Lotus notes and Microsoft Exchange
Description: Email Archiving for Lotus Notes helps the organization, to organize the increasing number of emails and attachments. The storage is compliant to legal requirement in a performant way.
Product:
Livelink ECM – File System Archiving
Description: Solution for long-term and secure archiving on the file system. The physical data is administrated in the Archive Server, metadata including auditing and access.

6.3.2 Volně dostupná řešení

Product: CDS Invenio
Link: http://cdsware.cern.ch/invenio/
Description: CDS Invenio is an integrated digital library system, a suite of applications which provides the framework and tools for building and managing an autonomous digital library server. It complies with the Open Archives Initiative metadata harvesting protocol (OAI-PMH). Its flexibility and performance make it a comprehensive solution for the management of document repositories of moderate to large size.

Product: EPrints
Link: http://www.eprints.org
Description: EPrints servers are designed to help dissemination of research publications by sharing information (metadata) using the latest (OAI) standards. Eprint archiving is different in that it is performed by the author of the material (or one of the authors) and hence is often referred to as 'self-archiving'. Over a web interface it is possible to add documents in the archive. Long-term aspects are the organizational embedding of the software (objectives of OAI), the usage of persistent identifiers, and validation of metadata.

Product: DSpace
Link: http://www.dspace.org/

Reference applications: MIT, University Cornell, University Cambridge, University Edinburgh

Description: The DSpace digital repository system captures, stores, indexes, preserves, and distributes digital research material. Research institutions worldwide use DSpace as an institutional repository, a learning object repository, for records management, and more. Long-term aspects are the usage of persistent identifiers and the detection and registration of formats.

Product: Fedora

Link: http://www.fedora.info/

Description: With this open source software the digital content in archives can be administrated and accessed. It is used as a document server in libraries, universities and other research and institutions. Fedora is compatible to the requirements of OAI (Open Archives Initiative). Long-term aspects are the usage of persistent identifiers and METS extension for storage format.

Product: MyCoRe

Link: http://www.mycore.de

Reference applications: University Essen, Bonn, Leipzig

Description: MyCoRe a system for digital libraries and content repositories that can be extended and adapted to different environments. The system is based on Java class libraries, XML techniques and different database backends - commercial solutions as IBM Content Manager and IBM DB2 as well as open source solutions as MySQL and XMLB-databases. This variety allows implementations not only for reduced archive-functions on the basis of purely open source solutions but also for advanced solutions on the basis of the IBM Content Manager.

Product: Xena Lite

Link: http://xena.sourceforge.net/

Description: The National Archives of Australia have published a new version of the digital preservation software, Xena 3.0 Lite (XML Electronic Normalising of Archives). The open source software converts electronic records from different Office formats into a standardised XML.