

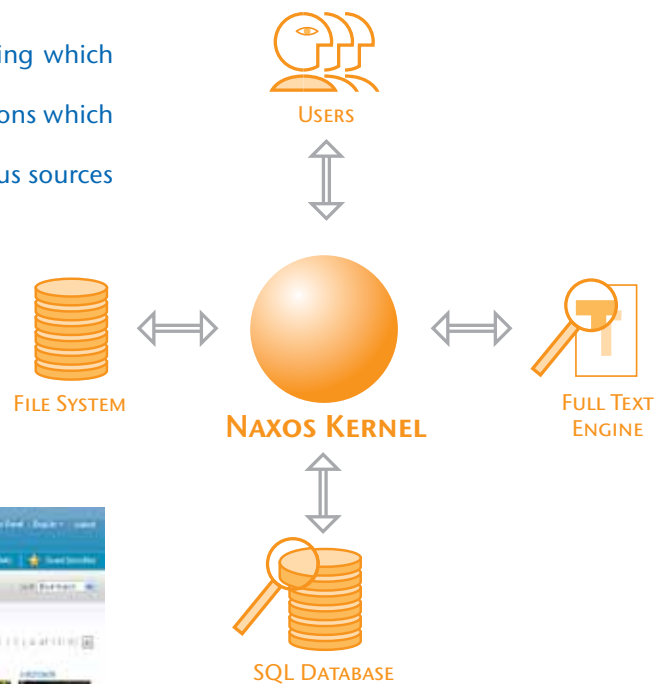
NAXOS

DIGITAL ARCHIVE
SOLUTION

NAXOS

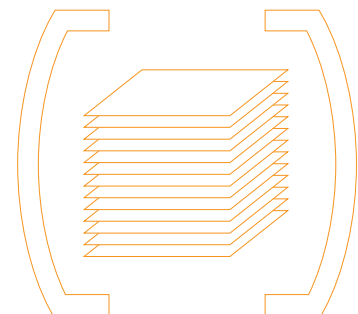
MULTIMEDIA DIGITAL ARCHIVE

Naxos is a state-of-the-art software solution for digital data filing which caters for all data formats. Its target group consists of organizations which need to ensure consistent access and search for data in numerous sources and also to categorize data into logical structures.



MAIN FEATURES OF THE SYSTEM ARE AS FOLLOW:

- filing all kinds of electronic data
- automatically created thumbnails to make orientation in the system easier
- searching with use of key words, search engine fully supports Czech
- fulltext search of vast files
- unification of access to data from heterogeneous sources
- unified access via web interface
- maintaining a consistent data structure in the organizational framework
- complex system of authorized access
- IPTC//XMP management (import/export)
- adaptable system design
- viewing data in the forms of mosaic, contents, or other user-defined ways
- client/server architecture



SYSTEM DESCRIPTION

ACCESS VIA WWW INTERFACE, WIDE DATA AVAILABILITY

Due to the necessity of wide availability of data and necessity to overcome problems with access from various platforms, the actual access is designed through web browsers like Internet Explorer and Netscape Navigator. This means data are available on all operation systems. Using www interface does not limit users' work at all.

FAST AND PRECISE SEARCH

High speed of searching for information is possible thanks to use of a proof system of keywords describing each item. The generation of keywords depends on the client's needs and can be defined by system configuration. The keywords describe a given item sufficiently so there is no need to read the whole document which may be very extensive. The keywords give users a good impression what the document is about. A very fast fulltext search engine is incorporated as well. The system also caters for asking complicated questions containing logical operators and combining searching in the keywords, tree structures, etc.

SYSTEM ADMINISTRATION

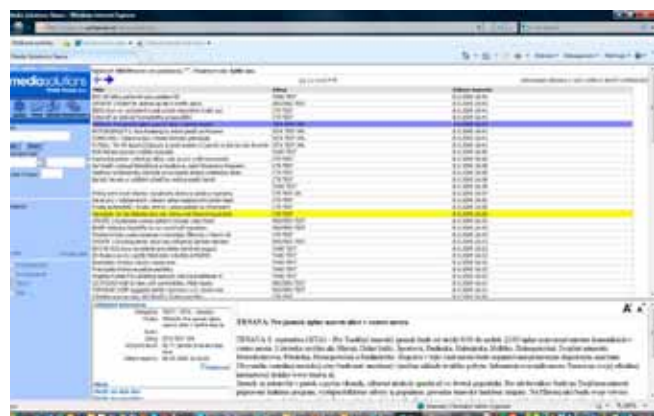
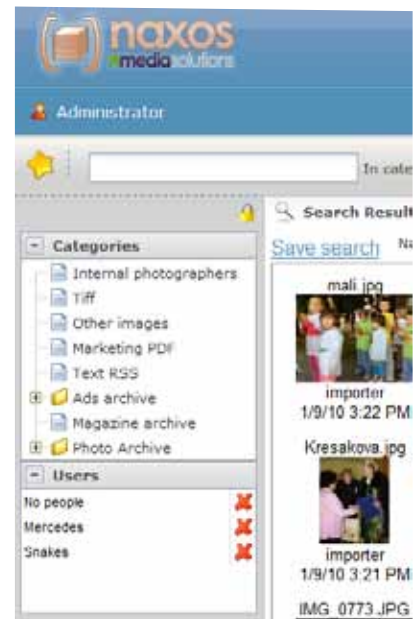
A special application is used for system administration. This app was developed for Windows NT/2000, Linux and Solaris environments. The main task of a system administrator is to create tree structures, categorize docs, generate keywords and perform data adjustment.

DATA IN THE SYSTEM

Naxos processes all kinds of electronic data. Low-res and middle-res thumbnails are created automatically for vast majority of graphic formats, most notably JPEG, GIF, BMP, TIFF, AVI, MPEG, MP3, WAV, PDF, PS, EPS, AI, DOC, XLS and others.

Flexible list of info connected to each item:

- author
- description
- time of entry
- keywords
- position in logical hierarchy
- size
- other optional info like internal code
- date of publishing, place of publishing
- user name
- banning of unauthorised access



CATEGORIZATION

The system offer availability to create logical tree structures in each source and categorise data.

USER SETTINGS

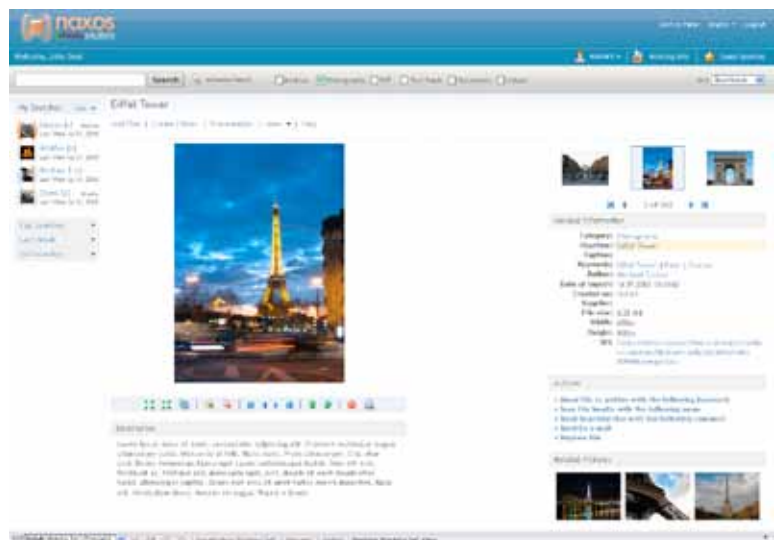
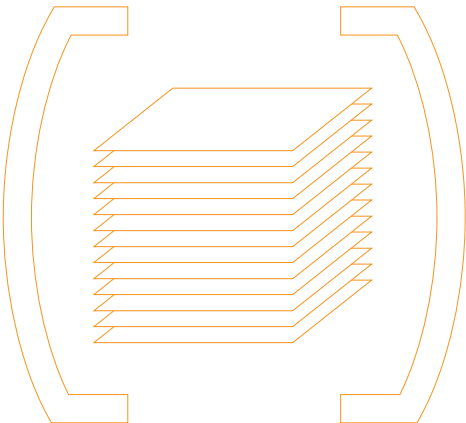
User profiles are available to make work with the system even more pleasant and comfortable. The environment of user profiles enables clients to change the layout, predefine questions (e.g. items of past two days or only the ones in archive, etc.)

DATA SOURCES AND IMPORT PLUG-INS

Integrated system of defined data sources enables clients to connect new data sources via import plug-ins even during operation. This way, the client is almost not limited at all as for using the system and connecting a new data source. The whole procedure is elegant and not very demanding.

NAXOS' ADVANTAGES

Naxos automates routine procedures and gives users quick and precise orientation in vast data sources. Thanks to www access, the system is likely to become an everyday aide of users as it makes work much easier and more comfortable.



TECHNICAL INFORMATION

Software solution of Naxos is based on the following state-of-the-art technologies aimed at creating information systems:

- JAVA • ECLIPSE • HIBERNATE • XML • SQL • GWT • AJAX

INTEROPERABILITY WITH OTHER SYSTEMS

The system is connectible with other products as well as external systems. Info from such systems can be stored in Naxos automatically. Such a system would be able to provide users with both up-to-date and archive info, which would always be relevant. The system is also usable as a means of transmitting data among users in such a way that one user stores data in the archive and another one may access them any time afterwards.

DISTRIBUTED ARCHITECTURE

Its intelligent architecture enables use of Naxos even in companies with the HQ and a lot of branches. Communication channel among servers of such a distributed system can be the Internet or a private network – intranet.

Such configuration caters for creating small local archives at branches with a possibility to access the archive at the HQ. Such possibilities and numbers of separate part may be combined freely. Such a distributed architecture can be used successfully for adjusting performance parameters of the whole system.

Another possibility how to use these features of the system is creating numerous security checkpoints which provide clients with a fully automated control of the run of the system. One example for all is a parallel run of main part of the server application.

DATA STRUCTURES

Volume of data in the system is limited by feature of the operation system and the file system in which data are stored.

Using standard media means the volumes can reach hundreds of GBs. Using special high-capacity devices for on-line access to data would increase the volume to the level of 100 GB to tens of TBs.

The number of items in the system depends mainly on the kind of SQL database in use. It can easily reach 10 mil. items and even more.

SYSTEM REQUIREMENTS:

Server:

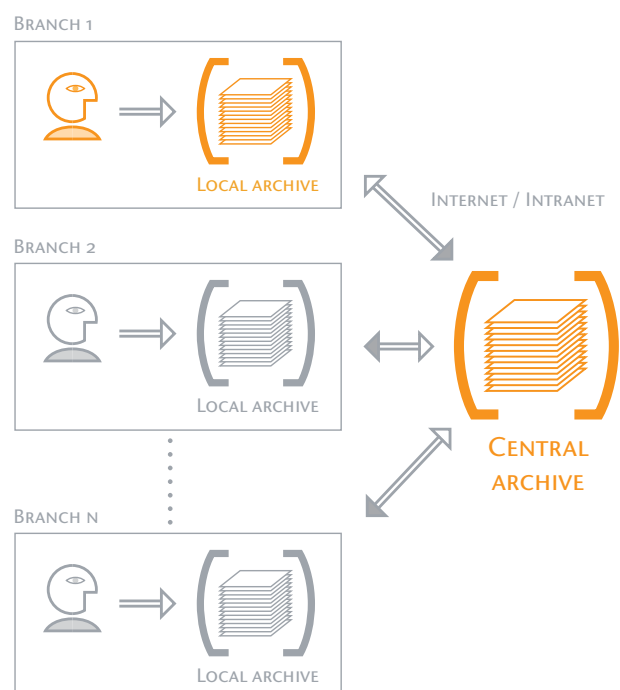
SQL database, eg. MS SQL, Oracle, MySQL

Operation system:

Windows, Linux, Solaris, Mac OS X

Client:

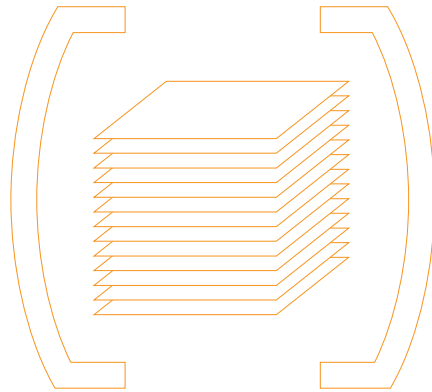
Any web browser



EXAMPLES OF USAGE

RECEIVING AGENCY NEWS

- text, pics (photos, charts)
- automated data reception from all available sources (CTK, Reuters, AP, CPA, DPA, etc.)
- administration of internal data of a company
- staff photographers can send their materials via e-mail
- freelancers can contribute via e-mail or FTP
- IPTC management



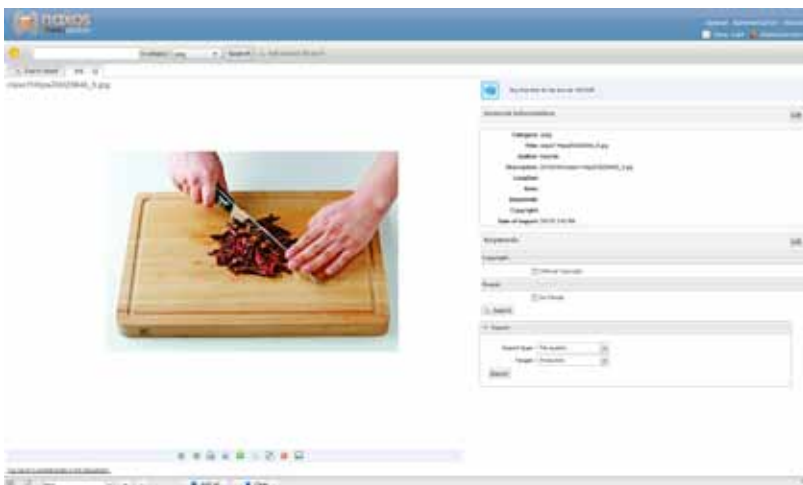
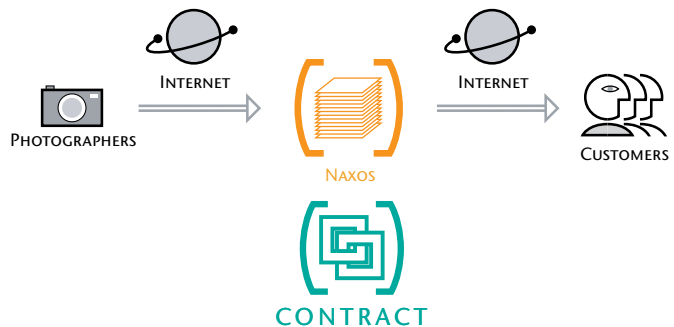
ARCHIVE FOR UNIVERSAL ACCESS TO PHOTOBANKS

- archive of thumbnails from photobanks like JohnFoxX, PhotoDisc, Ingram, StockByte, Sygma and the like
- automatically generated thumbnails
- subdividing into categories for better searching
- universal access to all sources from users' workstations
- automatically added keywords

PUBLISHER'S INTERNAL ARCHIVE

- filing already published texts
- filing published photos including the author's name and the date of publishing
- filing PDF pages according to title and date of issue
- automated checks of registers, reception of new data
- list of published texts and photos
- writing banned for a certain period of time

Collecting and sale photos via internet

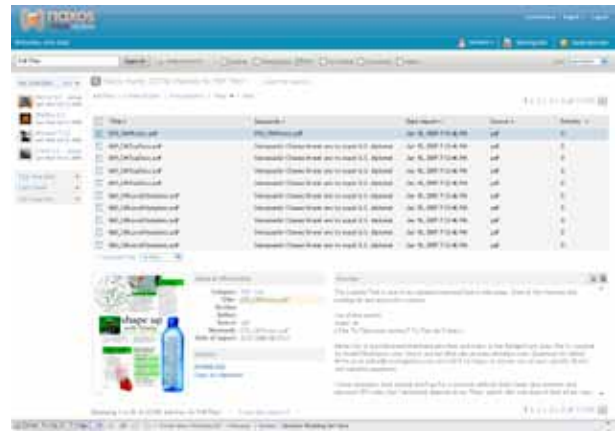


Archive of advertisements
– connected to CONTRACT

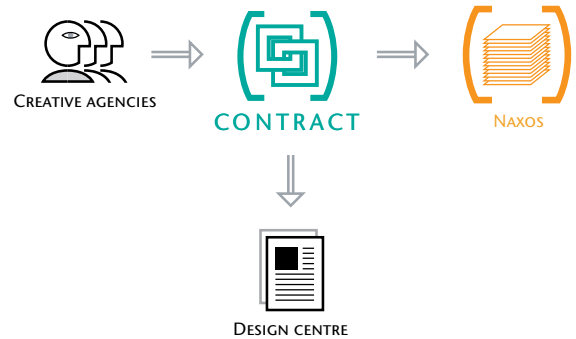
This is an archive of advertising data as well as adverts published in separate titles. It contains particularly data about advertisers, creative agencies, publishing dates and other relevant details.

PHOTOARCHIVE ON THE NET

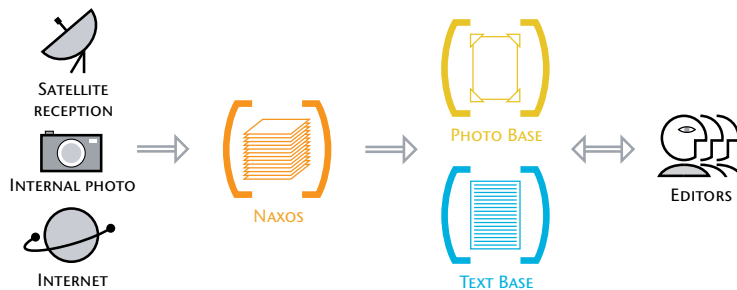
- possibility to make own www interface accessible for publishing on the Net
- possibility to use the archive as a photo sales system outlet
- security minimizing the risk of unauthorized usage (watermark)



Advertisement data storing



Reception from news agencies



PDF and postscript storing

