

Digital Information and Archiving System (DIAS!)^[1]

The *Digital Information and Archiving System (DIAS!)* is a system for archiving and long-term storage of digital records.

Long-term storage

DIAS! supports functions for long-term storage as required by ISO 14721. In addition, data can be stored in system-independent "containers" with complete XML-based metadata description (Archival Information Packages – AIPs).

Web-wide availability

The web client offers access to the entire range of functionalities of the system. All features are available web-wide compliant to the respective security policies due to integrated software distribution. Authorized users can access the *DIAS!* archive without a web client and may use the archived data online. An easy-to-manage rights matrix protects the files in the *DIAS!* archive from unauthorized access.

Inventory and collection building

The establishment and management of collections and inventories is simple and can easily be expanded and adjusted to the archive organization and the inventory structure. The administrator can establish a hierarchical management structure with an unlimited number of levels with various projects or project groups.

Descriptive data fields (attributes) can be defined for both the inventory structure and the archived content.

Archiving multimedia content

Not only digital documents but also images, audio and video files can be archived with *DIAS!*.

Easy navigation in the web archive

Regardless of the quantity of the archived web content and documents users can easily research the archived data, read or display documents.

Full-text data search

All metadata and primary data can be accessed via a full-text database. The number of hits can be limited by data fields (attributes), inventory categories, date or period of time. Hits will be displayed as link lists including the respective classification and file location.

Data and maintenance analysis

The integrated analysis tools enable detailed analysis of the web content to be archived, from the amount of data to file types and versions. Text documents can be archived as PDF files. The integrated transformation tool provides options to convert (transform) media and file types or file versions without any loss of the original files.

User management

The integrated user management ensures that only authorized users are allowed to create and edit the projects to be archived.

System requirements *DIAS! V 100.001.010*

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All functions can be installed and used on one computer system. For optimal performance when processing large amounts of data, especially while running crawlings, at least two server systems should be employed: A user client for all administration and research tasks and a database server.

User client

Hardware: Intel Pentium 4 processor or equivalent; 2 GB RAM main memory recommended.
Software: Windows XP (SP3 or later) or higher; .NET 4.0.

Database server

Hardware: 1 quad-core processor, 2 quad-core processors or equivalent recommended; at least 8 GB RAM main memory, 16 GB RAM recommended; at least 1000 GB disk memory,^[2] 2000 GB recommended. Software: Microsoft Server 2003 or higher; .NET 4.0; Microsoft SQL Server 2008.^[3]

^[1] Last update: March 2011

^[2] We will assist you in planning your *DIAS!*

^[3] Other databases on demand.