

General Functions

Provide individual online databases/e-journals as individual resources with generic URLs

Assign properties (licenses, rights, etc.) at the individual-resource level ⁺

Automatic login (authentication) with provider using IP address or login data

Central management of resources in a single administrative interface (HAN E-Script Administration) ⁺

Configurable HAN A-Z list (HTML-based index) for online databases/e-journals ⁺

Access from any browser without installing client or changing computer/browser settings

- one-time set-up in HAN (server-side)
- no need for users to change how they work

Infrastructure

Microsoft Windows Server 2008 R2, 2012, 2012R2, 2016 as HAN server

HAN server works as reverse proxy in communication between user and provider

Full HTML 5 support (resources based on WebSockets can be used via HAN) **NEW**

Crawler protection against unwanted indexing of e-journals **NEW**

HAN can be administrated using any 64-bit device

Scalable system

Appropriate for data centers (local or cloud-based **NEW**)

Optimized kernel technology

Integration of Discovery Services (*EDS, Primo, Summon, VuFind, Lukida and others*)

Integration of Linksolver (*SFX, Ovid, Linksolver of EDS and others*)

Authentication and authorization

Authenticate users via existing library systems (*Aleph/ALMA, PICA, SISIS, VTLS/Chamo, Horizon, KOHA, ADIS, ...*) or logins (e.g. *LDAP, databases with ODBC interfaces or Shibboleth*) ⁺

Multiple interfaces to login systems can be defined

(e.g. for access from the library via IP authenticate and for access from home using user authentication and the library system)

Cascade the defined login systems

(data verified against login systems in a defined sequence)

Optional reading of additional attributes depending on defined login systems and to use these as environmental variables

Define individual rights based on location (IP addresses or DNS names), LDAP memberships, or environmental variables

Authentication via client certificates **NEW**

Resource management

Central administration of all resources in HAN E-Script Administration

Spreadsheet display of managed resources (export as CSV file) **NEW**

Set up user-defined queries using properties of an HAN online resource (HAN e-script)

Option to limit and monitor simultaneous use of an online resource (licenses)

Export and import of online resources (also as CSV files)

Efficient management of online resources thanks to multiple selections (e.g. to assign the same rights to all of the e-scripts of a given provider) ⁺

Metering ^{NEW}

Monitoring data transfer between provider and user either at the online-resource level or at the user level

Automatic blocking of online resources or users after meeting the data transfer threshold (24 hour period)

Automatic reporting of blockings to administrator

Log all blockings

Networking with other systems (Web API and Discovery Services)

Seamless integration into EZB (Electronic Journal Library of Regensburg) e-journal services:

- automatic import
- update and comparison of online resources managed in the EZB

Providing web interfaces to integrate HAN into existing environments. Decide whether responses are sent as URL redirects, JSON objects, or HTML templates ^{NEW}

- interface for assigning a full-text URL to an existing HAN resource
- interface that sends supplemental information about an existing HAN resource such as rights, licenses (available and currently in use), etc.
- interface to check whether a HAN resource (e-script) already exists for a full-text URL; if not, it is created. The user is then forwarded to the full-text URL via HAN.

Smart link-out from meta search-engines (e.g. Google Scholar) to external resources, if a corresponding HAN e-script is found ^{NEW}

Role-based administration ^{NEW}

Secure role-based administration of HAN resources:

- Unrestricted server administration (HAN administrator)
- User administration to set up and manage administrative accounts
- Technicians only have access to the event log on the HAN server
- E-script administration
- Statistician

Providing the HAN client Administrators do not have to work directly on the HAN server to administrate online resources

Providing separate administrative accounts in HAN User Administration or using existing Windows accounts (through user SID, regardless of domain memberships)

Configurable, automatic login to the HAN server at client start

Statistics

Central, web-based, cross-provider analysis of usage statistics for all online resources managed in HAN

Calculate cross-tables

(e.g. breaking down annual online resource usage by month)

Calculate the parallel use of online resources per day

COUNTER-compatible full-text analysis

Export of data as CSV files

Define HAN environment variable as cost center
(automatic totaling of usage based on variables)

Define data groups (users, stations, or IDs) with automatic totaling

Store defined calculation bases for future use

Freely defined calculation bases (users, stations, or IDs)

