

synedra Control Center

Version 22 "Niobe"

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1. Feature Overview

1.1. General Features

- Supported operating systems: Windows 10 x64, Windows 11 x64, latest version of macOS x64, Linux x64 current distributions
- IHE-compliant auditing of accesses, modifications, etc.
- User interface available in German, English and French
- Documentation available in German and English
- Support of Windows and non-Windows installation packages
- Easy to use (e.g., by providing AutoSuggest form fields in search forms, by setting a favorite page or by conveniently opening and moving tabs to another position, tabbed browsing)
- Complete initial configuration of synedra AIM without the need to intervene on the system level
- Access to the complete documentation of current and previous synedra AIM versions via the ? > AIM documentation menu item

1.2. Efficient Administration of Patient-Related Data

- Possibility to search for, edit and soft delete patient data, documents and visits
- Possibility to hard delete documents
- Search for “ADT-managed” data (e.g., data managed by a HIS or RIS)
- Extended visit search fields, including '*Patient class*' (search for out-patient/in-patient stays), '*Closed*' (search for closed/open hospital stays), etc.
- Extended document search fields, including '*Ordering provider*', '*Producer*', '*Document type*', '*With visit*' (search for documents associated with a hospital stay/with no hospital stay), etc.
- Management and display of patient and visit markers
- Management and deletion of orders
- Correction function:
 - Reassigning: assigning a patient context to another patient, correction of patient datasets
 - Patient correction: merging patient data in synedra AIM with the corresponding data in the patient management system (e.g., HIS)
 - Order correction: assigning unassociated documents to an order and correcting documents that are wrongly associated to an order

1.3. Efficient Administration of Organization-Related Data

- Creation, modification, deletion of and search for users, user permissions, departments and work stations
- Overview of all permissions assigned to a user account
- Flexible definition of user rights and assignment of these rights by means of roles
 - synedra AIM “base role” comprising permissions required for all users
 - Assigning permissions for special functions in a controlled manner
 - Assigning a user function while assigning roles. Users may thus have a limited view on the program or may explicitly request further roles.
- Activation and deactivation (e.g., on the basis of the user's last activity) of user accounts, configurable validity of passwords
- Definition of hierarchical structures in the form of organization units, e.g., legal entities, departments
- Comfortable way to assign hosts to organization units
- DICOM communication partners can be assigned to workstations
- DICOM communication partners can be assigned to organization units
- Creation of upload links

- Through upload links, people from outside of your institution, e.g., referring physicians or patients, are allowed to transfer data to the healthcare facility using the browser-based application synedra Web Upload or the upload function in synedra Web Patient.
- Upload links are sent by email to users of synedra Web Patient and synedra Web Upload.
- Use of authorities across the entire synedra AIM—the multi-tenancy capability is available for managing patients, visits and orders

1.4. Efficient Administration of Document-Related Data

- Search for document shares
- Creation of rules to download DICOM documents in an anonymized form
- Download of DICOM and non-DICOM data
- Administration of administrative documents without any patient or visit information (e.g., contracts, personnel records) across the entire synedra AIM

1.5. Administration of Meta Data

- Administration of keywords, keyword classes and keyword class groups
- Administration of document classes and document class groups
- By assigning keywords to document classes, it is possible to visualize document types in synedra View and synedra Import.
- By assigning keyword classes ('List' type) to document classes, it is possible to provide the users of synedra View and synedra Import with lists of document descriptions depending on the document class.
- Administration of markers on the following levels: document, image, patient and visit
- Administration of workflows and workflow status

1.6. Useful Tools for Administrators

- Display of the import storage and data update storage available
- Activation, deactivation and allocation of storage pools, configurable at the department level
- Definition of the replication logic for data security and system performance
- Graphical overview of the system status of the entire cluster
- Detailed view of each individual server: disks, storage, processes
- Monitoring of the system status of all servers in the cluster

- Overview of all DICOM and HL7 interfaces
- Direct execution of SQL requests with syntax highlighting
- Storage of and quick access to frequently required, configurable requests
- Display of database locks, statistics, current requests, etc.
- Easy search for and display of audit records, which can be restricted to a specific time of day
- Restoring and displaying of archived log files
- Running of several profiles with different configuration specifications (e.g., test profile and productive profile) at the same time
- Script environment for customer-specific web services
- Definable storage rules
- Administration of container jobs
- Providing information that synedra AIM preserves on data stored in external long-term archives
- Search for notifications and notification types
- Search for sending processes
- Editor for Groovy scripts, including syntax highlighting, code completion, extended search filters

1.7. Special Features

- Overview page for the synedra Disk Import Box
- Search for and administration of IHE actors and IHE domains
- Overview of HL7 servers, HL7 mappings

1.8. Installation, Configuration and Update of the Client Modules

- Installation packages can be downloaded from the server to the local machine
- The configuration settings of the synedra AIM client modules can be centrally configured:
 - For individual hosts
 - For individual users (selected settings)
 - For all hosts across the hospital
 - For all hosts of a department (organization unit)