

enaio[®]

Technical Release Notes enaio[®] 8.50

Last update: 07.05.2018

All software products as well as all related extension programs and additional functions are registered and/or in-use trademarks of OPTIMAL SYSTEMS GmbH, Berlin or its subsidiaries. They may only be used according to a valid licensing agreement. The software as well as related documentation are protected by German and international copyright law. Unauthorized duplication and sales is plagiarism and subject to criminal prosecution. All rights reserved, including reproduction, transmission, translation, and storage with/on all kinds of media. For all preconfigured test scenarios or demo presentations: All company and person names which occur in examples (screenshots) are fictional. Any resemblance to existing companies or persons is purely coincidental and unintentional.

Copyright 1992 – 2018 by OPTIMAL SYSTEMS GmbH
Cicerostraße 26
D-10709 Berlin

07.05.2018
Version 8.50

Contents

Contents	3
Technical Release Notes 8.50	5
New Features in enaio® 8.50	6
Update Notes	6
Versions.....	6
SETUP	6
Internal Names	7
Services	7
Service 'mailstorage'	8
Full text.....	9
Full-Text Reindexing with enaio® index-manager	9
Updating Version 7.50 or 8.0 with OSFTS	10
ABBYY FineReader.....	11
enaio® sync.....	11
enaio® client – Processes	11
enaio® webclient	12
enaio® webclient – Scripts	12
enaio® document-storage	12
New Features and Optimizations	13
Client	13
Client – Interface and Forms	13
Sharing.....	13
Facets.....	13
Notes and Links.....	13
Zonal OCR.....	14
Queries with Variables	14
Saving Portfolio Queries	14
Tab Title.....	14
New Office and Outlook Add-Ins	14
Administration.....	15
Logical Expressions	15
Logging Security System Changes	15
Rights system	16
Groups from Templates.....	16
Reference documents	16
New System Roles	16
Periodic Jobs.....	16
Events for enaio® client and enaio® webclient	16
Events for Copying and Moving	16
Events 'OnShow' and 'OnClickItem'	17
Collective Changes and Events	17

StartClientRequest	17
Larger files.....	17
Archiving/Dearchiving Individual Documents	17
Governikus Signer Integration Edition.....	18
Deleting Archived Documents	18
enaio® editor.....	18
Search.....	18
Database catalogs	18
Tree and Hierarchy Catalogs	19
Rights group add-on	19
enaio® capture	19
New System Role 'Edit Filing Tray'	19
enaio® webclient.....	19
Integration into Other Systems	19
enaio® appconnector.....	21
Controlling App Features using Capabilities.....	21
Bugfixing	23

Technical Release Notes 8.50

This document contains information about new developments since release version 8.50.

Information about the handling status of support calls can be received by e-mail from OPTIMAL SYSTEMS, Berlin, Professional Services department: support@optimal-systems.de or the attached support call/bugfix list.

Please also note the corresponding Technical Release Notes and system requirements of the version that you are updating to the current version.

New Features in enaio® 8.50

Update Notes

Versions

The update of enaio® from version 7.50 or 8.0 requires some additional steps, especially to update the full-text component OSFTS (see also the section 'Full text').

Components that were not part of enaio® in version 7.50 or 8.0 are not installed during an update. You must install these separately. For version 7.50 especially, this means enaio® gateway, and for both versions, the new microservice infrastructure.

See also the Technical Release Notes and system requirements for all intermediate versions.

SETUP

As usual, all components – servers, clients and services – have to be updated simultaneously using setup or MSI.

If some components are not updated, functional as well as security errors may occur when accessing data due to changes in the rights system.

Previous versions of enaio® administrator and enaio® editor can damage data.

A microservice infrastructure with enaio® service-manager and services is automatically installed with an update of installations with full-text or OCR. The update does not check whether the names of the corresponding computers only include the letters 'a' to 'z,' the digits '0' to '9,' and the hyphen within the name, in accordance with international specifications for Internet communications and logs (cf. [RFC 952](#) and [RFC 1123](#)). This is, however, necessary for the services to function. Check whether the computer names comply with the specification. If not, you must change the computer names before the update.

Internal Names

Detail preview, content preview, and enaio® webclient require internal names for all object types and fields. When updating a version before 8.10, the internal names are initialized by the system if not yet assigned. So that the internal names are known everywhere, the object definition must be changed and saved via enaio® editor and the engines must be reloaded. For example, move a dialog element minimally or change the size of an element minimally.

Services

Components of enaio® have been integrated into a microservice infrastructure.

Please note the specifications for computer names before updates and installing services (cf. [RFC 952](#) and [RFC 1123](#)).

In new installations, the enaio® service-manager and services are not installed using the setup, but using the Service-Manager-Setup.

In addition to enaio® service-manager, the following services are installed:

- Basic services: 'admin,' 'discovery,' 'messaging'
- Full-text services: 'index,' 'search'
- License service: 'license'
- ABBYY FineReader: 'ocr'
- 'mailstorage' for the new Outlook add-in (optional)
- 'extraction' for project-specific metadata extraction (optional) and the new Outlook add-in

A hotfix is available for the services: after installation, copy the directory 'Microservices' from the install data SP directory to all computers with enaio® service-manager and run `enaio_services_versionfix.exe`.

An update using the setup will automatically install the full-text services in addition to the basic services.

If ABBYY FineReader was integrated, the services 'ocr' and 'license' are also automatically installed with an update of version 8.10 SP1/SP2. Otherwise, you must install these services.

The license service is required for both ABBYY FineReader and enaio® webclient.

If ABBYY FineReader or enaio® webclient are newly installed, the license service must be installed using the Service-Manager-Setup.

'mailstorage' and 'extraction' may need to be installed using the Service-Manager-Setup. If 'extraction' is already installed, you must reinstall this service because it is not automatically updated via the setup.

If services are distributed to multiple computers, the configuration file `application-cloud.yml` must be modified for each one.

You can find documentation about installing and configuring services [online](#).

The management and administration of the services is done by calling enaio® services-admin in the browser via the URL '<service-manager-IP>:<Port>.' The default port is '7273.'

The technical user for the services usually requires access rights for all folder, register, and document types, as well as the system roles 'Server: Switch job context' and 'Server: Run Ado jobs.'

Service 'mailstorage'

The 'mailstorage' service for the new Outlook add-in must be manually configured. In the object definition of an e-mail object type, another text field (MAIL_ID) is required for location determination. Object types and fields must be assigned in the following configuration file: `\services\service-manager\config\ems-prod.yml`.

Example:

```
mapping:
  emsTypes:
    - name: "Email_1"
      internalName: "EMAILTYPE"
      deduplicationContext:
        internalName: "MAIL_ID"
        mode: NONE
      mappingFields:
        - internalName: "MAIL_FROM"
          extractionName: "OS:MailFrom"
        - internalName: "MAIL_TO"
          extractionName: "OS:MailTo"
        - internalName: "MAIL_CC"
          extractionName: "OS:MailCc"
        - internalName: "MAIL_SUBJECT"
          extractionName: "OS:Subject"
        - internalName: "MAIL_BODY"
          extractionName: "OS:MailBody"
        - internalName: "MAIL_SUBMIT_TIME"
          extractionName: "OS:MailDate"
    - name: "Email_2"
      ...
```


Full text

When updating from version 8.10, the setup automatically updates the full-text components.

To update from version 7.50 or 8.0, additional steps are necessary (see also the section 'Versions').

During the update, Elasticsearch and the services 'index' and 'search' are installed in an altered structure and the configuration parameters of the installation are applied. The installation takes place where OSFTS was previously installed.

All services must be stopped before the update. After the update, check whether the full-text service 'OSFTS' and the Intrafind services were removed. If not, set the services 'Elasticsearch' and 'enaio service-manager' to the 'manual' start type and restart the computer. Then check whether OSFTS and the Intrafind services are uninstalled.

After the update, the system automatically starts migrating the full-text database. In addition, a reindexing of the full-text data must be started manually (see below).

In a new installation, full-text is no longer installed as a core service using the setup. Elasticsearch is installed using its own setup, and the assigned services 'index' and 'search' are installed using the Service-Manager-Setup.

The administration of the 'index' and 'search' services is done by calling enaio® services-admin in the browser, using the address '<service-manager-IP>:<Port>.'. The default port is '7273.'. The configuration parameters of existing full-text installations are applied.

The technical user for the services usually requires access rights for all folder, register, and document types, as well as the system roles 'Server: Switch job context' and 'Server: Run Ado jobs.'

The user of the automatic actions for full-text indexing requires access rights to all full-text object types and to all folders and registers where full-text documents are located, as well as the system role 'Server: Run Ado jobs.'

If the enaio® database is set to 'collation sensitive,' then for clause evaluation, the parameter `enaio.dms.collation.casesensitive` in the configuration file `search-prod.yml` in the directory `..\services\service-manager\config` must be set to `true`.

Full-Text Reindexing with enaio® index-manager

For the migrated full-text database, enaio® index-manager additionally indexes folders and registers where full-text documents may be located. This extension of the full-text database is necessary for facets as well as evaluation of clauses on object types, and should be started immediately following the update.

Before updating, check that there is sufficient disk space for the migration of full-text data. A new full-text index will be created in the available full-text database. In the short term, this requires significantly more disk space.

The old full-text index is not automatically deleted. In a future version, we will provide a feature in the enaio® service-manager configuration with which the old full-text index can be deleted from the full-text database.

Depending on the size of your full-text data pool, migration and reindexing can take between a few hours and a few days. Please contact our support team in advance for a more accurate estimate of the time needed and for information about deleting the old full-text database.

For reindexing, install the application `axIdxFullTextData.exe` using the setup `os_index-manager_setup.exe` from the directory `\Microservices\Index-Manager`. Specify the enaio® server IP and port during installation.

A hotfix is available for enaio® index-manager: after installation, replace `axIdxFullTextData.exe` from the installation directory with `axIdxFullTextData.exe` from the SP directory for the install data.

When starting `axIdxFullTextData.exe`, log in with a user with the system role 'Run Ado jobs.'

Reindexing starts immediately. Make sure that `axIdxFullTextData.exe` is not started a second time. Wait until reindexing is complete before ending the application.

Updating Version 7.50 or 8.0 with OSFTS

The following steps are necessary for updating from version 7.50 or 8.0 with OSFTS:

1. SETUP – Updates all existing components.

During the update, Elasticsearch and the enaio® service-manager are installed with the services 'index' und 'search', and the configuration parameters of the existing installation are applied.

The installation takes place where OSFTS was previously installed.

Do not start Elasticsearch and enaio® service-manager yet.

2. Version 7.50: New installation of the enaio® gateway.
enaio® gateway is not yet part of enaio® in version 7.50 and must be installed. Start enaio® gateway.
3. Install the services hotfixes: copy the 'Microservices' directory from the SP directory of the install data to all computers with enaio® service-

manager, and run `enaio_services_versionfix.exe` (see also the section '**Fehler! Verweisquelle konnte nicht gefunden werden.**').

4. Start Elasticsearch and enaio® service-manager.
The 'index' service automatically creates the new full-text database.
5. Install enaio® index-manager with the hotfix and start enaio® index-manager (see also the section '**Fehler! Verweisquelle konnte nicht gefunden werden.**').

Please contact our support team in advance for a more accurate estimate of the time and disk space needed.

When updating version 8.0, text deleted from the rendition cache may be replaced with the data export from the existing full-text index. In this case, please also contact our Support team.

ABBYY FineReader

ABBYY FineReader can only be integrated using the SMUA license provided by OPTIMAL SYSTEMS. In addition, the 'SMU' license must be integrated via enaio® enterprise-manager.

The SMU license is managed by the 'license' service. In an update of version 8.10 SP1/SP2 with integrated ABBYY FineReader, enaio® service-manager and the 'ocr' service are automatically updated and the 'license' service is installed. For updates from previous versions, or in a new installation, you must install these components using the service-manager setup.

enaio® sync

enaio® sync is no longer installed using the setup. Instead, an installer in the components area of the install data is used. You can also run updates with this installer.

enaio® client – Processes

enaio® client is now shown in the task manager with several Chromium Control render processes. There are therefore multiple 'ax.exe' processes, and developers must identify the process that they want to access.

This change may require adjustments. Please contact the Consulting or Support teams if you have any questions.

enaio® webclient

After an update of enaio webclient, in addition to changes to the technical structure and navigation, user system roles when accessing functions are taken into account (this was done on a limited basis previously). This eliminates some configuration parameters that could enable or disable function areas independently of system roles.

Access rights to objects continue to be controlled by the technical user and the logged-in user.

Install enaio® webclient using the setup 'oswebclient_setup.exe' and update to version 8.50. In order to integrate outstanding modifications, step-by-step updated setups are provided. These are described in the 'notes_webclient.pdf' document enclosed with the install data.

The new 'license' service is required by enaio® webclient and may need to be installed using the Service-Manager setup. The 'license' service reserves all 'WEB' licenses, which are shown as 'occupied' in the enaio® enterprise-manager license monitor.

The online help for enaio® webclient is now available at the following URL:

<https://help.enaio.com/blue/>

You can also find information about installation, administration, and scripting in the online help.

enaio® webclient – Scripts

Scripting for enaio® webclient is now done in JavaScript.

Existing scripts are not run. New scripts and scripts for enaio® client are created using the enaio® event-editor in enaio® client, or using enaio® editor-for-workflow.

You can also find information about enaio® webclient scripts [online](#).

enaio® document-storage

enaio® document-storage for GroupWise is installed using a separate MSI package in the directory \components\GroupWise. Also use this package for updates.

New Features and Optimizations

Client

Client – Interface and Forms

The color scheme and contrast of enaio® client interface and forms were modified, and are based on MS Office 2016. Users who want to retain the previous scheme can switch back using **Settings > Workspace**.

Sharing

Documents can be shared with users who have no or limited access rights. Time period and access rights are specified in sharing.

Users can access shared documents in the 'Sharing' area. The sharing process is shown. Checked-out documents can be edited even after sharing has expired and up until check in.

Users with administrative sharing functions can view and suspend sharing.

Document sharing functions must be enabled using enaio® enterprise-manager. The functions are made secure using new system roles, which have to be assigned.

Data transfer is not possible in shared documents.

Facets

Users can configure facets of full-text queries. Basic facets can be shown and hidden, list catalogs can be included as additional facets for hit lists of an object type.

Configuration is done using user-specific settings and is part of profile administration.

Notes and Links

Notes in both enaio® client and enaio® webclient can only be managed in the details view. Notes can be created, edited, and deleted there.

The previous note area now shows only links.

Zonal OCR

For optical character recognition in the image document display window, you can pre-select languages using user-specific settings ('Zonal OCR' area).

Access the language-selection dialog with CTRL+Shift from the OCR recognition mode.

Queries with Variables

Date and user add-ons are available for queries with variables.

Saving Portfolio Queries

Portfolio queries can be saved and thus automatically opened at start.

Tab Title

Using user-specific settings, you can select fields for displaying a document on register tabs.

New Office and Outlook Add-Ins

In addition to enaio® office-utilities und enaio® document-storage, Office and Outlook add-ins are also available, with few, but essential, features. These add-ins can be installed on workstations where the extensive functions of the other components are not required. The new Office add-ins are available for MS Word, MS Excel, MS PowerPoint, and MS Outlook.

The install data of these add-ins are in the MSI packages in the `components` directory in the install data.

To be able to transfer the identification data of an email in the new Outlook add-in, the 'mailstorage' service must be installed and configured (see also the section 'mailstorage' Service').

The index data form is not opened during transfer. Any additional unassigned fields in the object type remain empty. If these include mandatory fields, the email is not transferred.

The use of enaio® ad-ins and enaio® office-utilities or enaio® document-storage are technically mutually exclusive, thus should not be simultaneously activated as add-ins on one workstation.

enaio®-Office-Add-In NG



enaio®-Outlook-Add-In NG



enaio® Office add-ins and enaio® office-utilities both carry out an automatic data transfer if the value of the document property 'OS_Autoübernahme' is set to 'yes'.

Administration

Logical Expressions

With this version, a new syntax is introduced for access rights clauses. Clauses are now more legible and can be edited and managed more easily. Clauses can also be copied. Entering clauses is supported in the editor with IntelliSense.

Clauses in existing installations are not converted by the setup. They continue to be evaluated in the existing syntax in this version. You can modify them later, so you don't have to run the conversion immediately after the update.

Clauses are converted using enaio® administrator. You can check the conversion result before applying it. If errors or warnings are shown, modify the clauses before conversion, or delete them and then recreate them after the conversion.

Before the conversion writes the clauses straight to the database, it creates a backup file. You can import this file again if you need to.

New installations and installations without clauses are automatically changed to the new syntax.

You can import data containing existing clauses from the security system into installations without clauses in the new syntax.

Logging Security System Changes

Changes made to the security system in enaio® administrator in the areas 'Security system' and 'Remote user administration' can be logged. Use the 'Extras' menu in enaio® administrator to view the log files.

The system role 'Configuration of security system' is required for access to these features. This feature must be enabled in enaio® enterprise-manager in the 'Settings/Security' area.

Log data can be cleaned. The user needs supervisor rights to do this. The entries of the last two months cannot be cleaned.

Rights system

Saving the rights system is now significantly faster.

Groups from Templates

New groups can be created based on existing group configurations.

Reference documents

Using the automatic action 'axacsysc.dll', you can find reference documents whose reference links have been deleted.

The action creates a file with information (ID and object type ID) about reference documents without reference links. During configuration, specify the folder where the file is to be saved.

The file has the name 'SYSCHECK13-YYYYMMDD-HHMMSS.txt.'

File name and path are written to the flow log.

When deleting documents, enaio® client now checks whether there are reference documents and, if necessary, offers to list corresponding reference documents.

New System Roles

The new system role 'Create reference documents' has been introduced for reference documents. The system role 'Assign other locations' is also new. All users get both new roles with the update.

The new system role 'Share documents' is not automatically assigned. Each supervisor gets the system role 'Administer sharing.'

Periodic Jobs

Periodic jobs can be configured so that they are only run when the previous job has been completed.

Events for enaio® client and enaio® webclient

enaio® event-editor in enaio® client differentiates between events for enaio® client and events for enaio® webclient. Events for enaio® webclient must be rewritten in JavaScript and integrated.

Events for Copying and Moving

The events for copying and moving were revised to respond more accurately to different situations.

'OnMove' is only run when moving within a cabinet. 'OnMoveExtern' is available for moving to another cabinet.

'OnAddLocation' is run when a document or register gets another location by drag and drop, and corresponds to the previous 'OnCopy.'

'OnCreateCopy' is run when a document or register is copied.

You must modify scripts if 'OnMove' was also deployed for cross-cabinet moves.

Events 'OnShow' and 'OnClickItem'

Both of these events as well as the corresponding workflow events can also be used to show an object in the content/detail preview or in dashlets using the object ID.

Script: `asfile.ContextObjIdent = ID`

Workflow script:

```
scriptresult.ContextObjIdent = ID
```

```
scriptresult.ResultCode = 0
```

Collective Changes and Events

With version 8.10 it was necessary to assign collective change events for collective changes to object types with the events 'BeforeSave' or 'OnShow,' even if their scripts did not have to have functional content. This is no longer necessary. You do not have to modify existing event scripts.

StartClientRequest

The new COM feature 'StartClientRequest' enables full-text queries that call up hit lists with facets.

Larger files

Files can be no more than 2 GB in size, and videos no more than 4 GB. For image modules, documents can consist of multiple files, and the sum of all image files cannot exceed 4 GB.

The maximum size is specified in enaio® enterprise-manager under **Server properties > Category General > Maximum file size.**

Archiving/Dearchiving Individual Documents

When configuring archiving and dearchiving, unlike the previous configuration, a file can be specified with a list of IDs.

Structure: `<objectid>,<objecttypeid>;<objectid>,<objecttypeid>;...`

Variants of the documents specified with IDs are not considered. Document versions are considered.

Governikus Signer Integration Edition

Governikus creates external signatures. Image documents are integrated into a PDF and signed internally, as with existing PDF documents. A signature type can be assigned to internally signed documents.

XML documents, container documents, and film documents are not signed.

You need the corresponding software and hardware for the Governikus Signer Integration Edition. These must be installed according to the manufacturer's instructions. Governikus Signer must be started before signing.

External Governikus components are used both for the signature and for verification.

The license key 'DIS' is additionally required at the workstation.

Existing archived documents cannot be signed. During archiving, external signatures are only archived if document histories are created and archived. You can specify this in enaio® editor.

For Governikus, use the 'Electronic signature configuration' dialog to integrate the 'Governikus' signature module. You can create signature types with signature text.

Deleting Archived Documents

Previously, the enaio® enterprise-manager setting 'Archived documents: Do not delete' prevented the deletion of archived documents in enaio® webclient across the board. In enaio® client, only the deletion of files on the media was prevented. enaio® webclient has been modified and now allows the deletion of archived documents like enaio® client.

enaio® editor

Search

You can search using the object definition in enaio® editor. The search dialog shows the object definition with all the field names, internal names, and database names. Double-clicking an entry opens the object.

Database catalogs

The configuration of database catalogs has been expanded with the following parameters.

- `IGNORESECURITYCHECK=TRUE`
Disables the check of the rights system.
- `IGNOREOTHERFIELDINEDIT=TRUE`
Disables the check of account fields that have already been filled during creation and editing.

Tree and Hierarchy Catalogs

The configuration of tree and hierarchy catalogs has been extended. As in list catalogs, entries containing the character '*' at the end of a row are only shown for the query, and not for the newly-created entry.

Rights group add-on

To quickly select entries, the user can filter the list in enaio® client. Members of groups can be displayed.

Detailed information about users and groups can be shown using the configuration entry `EXTRA π =CANSHOWDETAILS`.

The list can be filtered administratively using configuration entries.

Examples:

<code>EXTRAπ=USER_FILTER:A1;B1</code>	Only users whose user name begins with 'A1' or 'B1' are shown.
<code>EXTRAπ= GROUPS_FILTER:P1;K1</code>	Only groups whose names begin with 'P1' or 'K1' are shown.

These prefix filters can also be combined with exclude and exclusive configurations.

enaio® capture

New System Role 'Edit Filing Tray'

The new system role 'Edit filing tray' is required for access to the filing tray. All users with the system role 'Capture: Configure' automatically get this system role.

enaio® webclient

Integration into Other Systems

Integrating enaio® webclient into other systems has been possible for quite some time with URL embedding. It is also possible to set up an action to be run when

calling the URL, for example opening an enaio® document or running a saved query. You use URL parameters to set up execution of actions.

The syntax for the URL parameters has been revised with version 8.50. New actions have also been added.

The following overview lists all actions with old and new syntax.

Action	Parameters (old and new)
Open object	<p>Old:</p> <p>entry.do?app.entry.osid=<Object-ID></p> <p>entry.do?app.entry.aspath=<ID of the folder type>:<ID of the object type>;<ID of the object></p> <p>New:</p> <p>/#/entry?osid=<Object-ID></p>
Start workflow	<p>Old:</p> <p>entry.do?app.entry.wf.workitem.id=<ID of process step></p> <p>New:</p> <p>/#/entry?workflow=<ID of the process step></p>
Open location	<p>Old:</p> <p>-</p> <p>New:</p> <p>/#/entry?location=<Object-ID></p>
Run saved search	<p>Old:</p> <p>entry.do?app.entry.storedquery.id=<query-ID></p> <p>New:</p> <p>/#/entry?search=<query-ID></p>
Run saved search with variables	<p>Old:</p> <p>entry.do?app.entry.storedquery.id=<Query-ID>&app.entry.storedquery.param.\$VAR1\$=<Variablevalue></p> <p>New:</p> <p>/#/entry?search=/<query-ID>&var1=<variable value></p>
Open index data	<p>Old:</p> <p>-</p> <p>New:</p> <p>/#/entry?indexdata=<Object-ID></p>

Login with a URL parameter (`?app.entry.username` and `&app.entry.userpwd`) is possible as before.

The previous parameter syntax is still allowed in version 8.50 but will be removed from future versions. We therefore recommend changing the URLs after you update to 8.50.

enaio® appconnector

Controlling App Features using Capabilities

New capabilities are available for administrators to control whether features are available in the apps:

- Show/hide favorites area
- Interval for updating the inbox
- Determine location

Administrators can also use capabilities to establish whether the 'Favorites' area is shown in the apps and how often the inbox is reloaded.

These are policy-dependent capabilities.

Category	Capability name	Function	Default
POL	AllowFavorites	Shows the 'Favorites' section	true
POL	AutoReloadInbox	Specifies the interval (in minutes) at which the inbox is reloaded. Permitted values: 0 (= deactivated), 1, 5, 10, 30, 60	0
POL	AllowLocation	Specifies whether an object's location can be identified.	true

Bugfixing

With this bugfix list, you can identify the relevant bugfix using the support call number and key.

Summary	Support Calls	Key
After the upgrade from 7.10 to 8.10 SP1, the PDF merge in WebClient runs into a timeout and the document preview is very long	1288-OSVH-SUP-005/16	OKTO-1699
Content preview shows a black image	3035-OSVST-SUP-11/16	OKTO-1689
Enaio Groupwise – Several e-mails cannot be filed at the same time using docstorage	1609-OSVH-SUP-002/16	LEO-977
Simple storage mode dialog appears despite filing location already selected in the add-in	Ticket#01698	LEO-628
478508305 - Axfiletrigger - stops if too many files are delivered	2355-OSVJ-SUP-004/15, 3257-OSVCH-SUP-004/15	LEO-398
478494276 - Docstorage - loses or does not restore the connection to the OS client.		LEO-359
In the location, the behavior in a register view is such that the names of the sub-categories are displayed differently		DODO-3267
AppConnector does not return all the saved queries	0793-OSVK-SUP-032/16	DODO-2792
JavaScript error when clicking "Notes" in the toolbar		DODO-2713
Long forms at creation are covered at the end by Save button		DODO-2264
Location tree preview empty register		DODO-2189

Location view in some cases may no longer load folder view.		DODO-2171
Wrong message if objects are deleted, which are located in the WF record		DODO-2163
Show ID of the saved search in tooltip		DODO-2070
Style profile user dropdown		DODO-1644
Changing the column configurations does not go into the processing form afterwards		DODO-1470
Substitution workflow process steps cannot be depersonalized		DODO-1305
There is no Favicon when entering via entry.do		DODO-1188
Loading animation flickers at login and page refresh		DODO-1183
Grouping on WF forms not visible		DODO-1144
Object type in the workflow and favorites lists should be guided by the language set		DODO-1060
Internal error message occurs when context menu is first loaded.		DODO-894
8.0 - An icon appears to be missing when loading hit lists.		DODO-892
Behavior when working with workflow		DODO-725
DetailPreview - enaio sync - In the property window of a file under "enaio," the "+" must be clicked to zoom in		DODO-708
Client: False object type osjxOpenObject	3254-OSVK-KIRU-SUP-001/17	BC-1549
Despite correct import from Capture, the error "Encountered an importer argument" appears at a station	2424-OSVM-OSVSUP-021/16	BC-1526
If e-mails are created as a reference document, the hit list does not update	1287-OSVH-SUP-003/17	BC-1525
Client COM interface cannot be addressed.		BC-1480

Line breaks are removed when printing index data	3544-OSVST-SUP-15/16	BC-1473
8.10 SP2 / 8.50: Register - Disable 'Send e-mail to' option 'Content (PDF)' in the ribbon and context menu		BC-1446
Client: Disabled option in the ribbon cannot be enabled	1837-OSVK-SUP-014/16	BC-1398
Client: Client comes to the foreground when closing ""enaio: New message pop-ups"	0793-OSVK-SUP-038/16	BC-1385
Client: saved search (multiline, with DB catalog) is not shown correctly	0367-OSVK-KIVBF-SUP-002/16	BC-1356
Deleting minimum age at cache cleanup leads to error popup		BC-1326
Continuous loop between event and event debugging msgbox		BC-1310
Client: Error in SQL statement with field = #ZERO#	0793-OSVK-SUP-031/16	BC-1299
Cleaning history incomplete	3446-OSVHH-SUP-019/16	BC-1249
Object name on the data sheet incorrect when the client is set to English	1960-OSB-SUP-007/16	BC-1218
Setting in the administrator "Configuration of complete system - references of documents" no longer coincides with feature	0746-OSVH-SUP-004/16	BC-1217
Data export ends after a time period that has been set too high	1695-OSVM-OSVSUP-006/16	BC-1216
Job dms.xmlmovetype triggers a dms.IndexDataChanged job, but with wrong type		BC-1209
There were uncertainties regarding the parameter dwMainType with use of the feature std.GetDocVariant.	3630-OSVCH-DTI-SUP-005/16	BC-1208
Register view on the client does not show existing/deleted registers	1242-OSB-SUP-032/16	BC-1183

DMS.XMLUpdate with update ONLY of owner does not function		BC-1061
dms.XMLInsert with indication of a FOREIGNID and option CHECKEXISTENCE=0		BC-969
std.deletedocument may not remove document if it is the original of a variant group or a variant		BC-965
When recovering documents from the history there is an error message if the recovery has altered the pagecount	0767-OSVH-SUP-008/16	BC-924
The FULLTEXTFILTER queue is not shown in the Enterprise Manager	0281-OSVK-SUP-002/16	BC-808
Abomail is sent with wrong text	0417-OSVK-KIRU-SUP-001/16	BC-682
enaio client headings in the "Workflow" and "Hit lists" printout do not coincide	3248-OSVM-SUP-008/15	BC-617
Adding queries to the desktop only works to a limited extent (some information is not transferred)		BC-604
Time at printout of e-mail (partly) wrong	0683-OSVH-SUP-002/15	BC-516
After update to version 8, fields are no longer present at data export	1616-OSB-SUP-012/15	BC-421
Icons are shown more poorly by the object type than in the tree		BC-375
The API feature "CopyObject" reports in the server log "No pages found for the document" despite "Flag 1."	1567-OSVSB-SUP-024/15	BC-372
Root node missing in tables e.g. in catalog tree		BC-345
Filter function filters out notes	2862-OSVST-SUP-027/15	BC-246
False tooltip texts in the client		BC-197

OrdIdent, RegIdent, RegType are not populated in the "BeforeOpen" event in the case of inactive variants	2862-OSVST-SUP-021/15	BC-181
BC_Error: BeforeCancel event is not run when the tab is closed		BC-172