

Sinequa technical information

SSL for Sinequa's IIS

- What is Sinequa?
 - The Sinequa Company
 - Sinequa documentation
 - Syensqo documentation
 - Technology
 - Version
 - Software download
 - Architecture
- Indexation process
- Software installation
- Software update
 - Test environment
 - Sinequa server
 - Production environment
 - Sinequa server
- Search interface
 - Override user
 - Change user interface language
- Administration interface
 - URL
 - Functions
 - Servers status
 - Tasks status
 - Sessions status
 - Global options
 - Profiles
 - Sources & collections
 - Domains and partitions
 - Domain mappings
 - Indexes
 - Grid/nodes
 - Advanced/Advanced forms
 - Advanced/Skins
 - Advanced/Plugins
 - Crawler.cs
 - search.cs
 - Advanced/Navigation boxes
 - Advanced/Commands
 - Custom parameters
 - Jobs
 - Logs
 - Translation of labels
 - Replacement of labels
 - New language
- SCMD commands (Sinequa Command)
- SQL requests
- CSV Export of the content of index
- Sinequa for Syensqo
 - Servers
 - Service accounts
 - Organization of directories
 - Accounts
 - Piwik
 - SSO SAML
 - Marquee Replacement
 - Change default images
 - Specific settings
 - SolvayOne: Excluding indexation of the text "Google Translate" and "For a better display of Solvay ONE, please switch to Chrome browser" (no longer used)
 - Excluding the text "Google Translate"
 - Excluding the text "For a better display of Solvay ONE, please switch to Chrome browser"
 - QUALITY MODOPE: integration in the custom fulltext of the values of multivalued dictionaries (no longer used)
 - Force language for Deeg Project (no longer used)
 - EHS xECM interfaces
 - Add links in the menu with different color (no longer used)
 - blocked URL
 - Box Process guide chapter (no longer used)
 - CSV export
 - Search on title in Advanced search (Issue with diacritical) (no longer used)

- Multiple treesource1 value for GECDoc (no longer used)
 - Force language for Qualité R&D project (DCT_QUALITY_QRD) (no longer used)
 - Linked documents for Qualité R&D project (DCT_QUALITY_QRD) (no longer used)
 - Rewritings : allow search on synonym
 - Public documents access for Documentum EHS application
 - External Website for Carechem (not used now, replaced by new app Sachem)
 - Note #1
 - Note #2 added the 23.01.2017 by LR
 - SILICA ROCS - display the contact of a site (no longer used now)
 - Synonym - Searching for similar words
 - Implement Info Box in RCSEHS skin
 - RegWatch
 - Salesforce integration in MySolvayPortal
 - URLs and accounts
 - Profiles created for Salesforce
 - Postman configuration example
 - SSL for Sinequa's IIS
 - Pre-requisite:
 - Adding/Removing domains from the SSL
 - WERCS
- Redirection page redirect.aspx
- Anti-virus
- Tips
 - Add email in the target link
 - Force reindexation for all documents in a collection
 - Force reindexation for some documents (for not forced reindexation)
- Known issues
 - 2 profiles affected to the same sub-domain
 - Engine can not start
 - Files in "D:\sinequaltemp" folder are not cleared.
- Diagnostic a problem
 - Identify the right of the users on Sinequa:
 - See the debug variables of Sinequa:
 - Enable RequestDebug feature:
- Maintenance
 - Stop the application on the Sinequa server
 - Start the application on the Sinequa server
 - Issues
 - Tasks are not launched (scheduler)
 - Not able to access Sinequa with Windows (NTLM / KERBEROS) (no longer used)
 - Logs
 - Shrink of the indexes
 - Jobs control
 - Tasks status
 - Backup & restoration of the indexes
- Tasks
- Deployment from test server to production server

This document describes how to use Sinequa and how Sinequa is configured.

What is Sinequa?

Sinequa is a global search engine for enterprise. It can index a lot of type of documents (Web, xECM, Google Drive, Aodocs, ...).

The Sinequa Company

The Sinequa engine is ed by the Sinequa Company: <http://www.sinequa.com>

Sinequa documentation

You can find the documentation on this Web site:

URL: <https://sinequa-prod.syensqo.com/doc/en/Content/en.index.html>

Documentation from Sinequa website: <https://doc.sinequa.com/en.sinequa-es.v11/Content/en.index.html>

Release Notes: <https://download.sinequa.com/release-notes>

You can only access with the same credential used for the Sinequa Support portal.

Syensqo documentation

[Internal presentation](#)

[Sinequa flows schema](#)

[AWS Infrastructure Operational Runbook](#)

Technology

Sinequa is a Windows application using IIS and .net framework. There is no databases server like SQL Server. Data are stored in files.

Version

The current version is the V11.10.0.2123

To see the build number of the version go to the menu Global options in the administration interface.

Software download

<https://download.sinequa.com/home>

Sinequa Software Download - Credential

https://docs.google.com/spreadsheets/d/1fGic82SAiqcKFV2voPG9N7kUFg4oZxMnaApsjN_-YR4/edit?gid=0#gid=0

Architecture

On the same server, there is the indexing engine and the interface for searching.

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Indexation process

The connector process browses all documents of the given collection.

If the document is a html page the document is sent directly to the indexer process.

If the document is not a a html page the document is put in the folder F:\sinequa\temp. It's the queue for the converter process.

The converter process converts non html documents to a html documents and the converted document is sent to the indexer.

A process indexer is created for each indexation. The queue of the indexer is processed in memory (not temporary files). The max number of documents in the queue is 50. If the max number is reached during an indexation the browser/connector process will wait.

Software installation

The installation is describe in this document:

<https://sinequa-test.syensqo.com/doc/en/Content/en.sinequa-es.index.installation.html>

For the configuration of SSO see this documentation:

<https://doc.sinequa.com/en.sinequa-es.v10/Content/en.sinequa-es.how-to.implement-sso.html>

See above for the login/password

At the end of the installation don't forget to execute this script:

Software update

To update the software with the last build version:

- download the software (sinequa.xxx.zip) from the Download Sinequa server (<https://download.sinequa.com>)
- put the file in the directory G:\software
- rename it with the current date : sinequa<version.build>.zip (ex: sinequa.10.5.0.28932.zip)
- replace the folder D:\Sinequa by the content of the zip folder

In AWS it's not possible to download a file from Internet. To do this, we must create a ticket in Service One.

Test environment

Sinequa server

- Copy the file sinequa<version.build>\sinequa<version.build>.zip on the server.
- Unzip the file in the folder G:\softwares\sinequa<version.build>\sinequa<version.build>
- Copy the folder D:\sinequa in the folder G:\backup\sinequa<year><month><day> (exclude the folders temp & log)
- From the Sinequa Administration page, stop the following:
 - All running jobs.
 - Stop the indexer.
 - Stop the Engine.
- Stop the IIS Service (World Wide Web Publishing Service)
- Set the IIS Service's "Startup Type" to "disabled". (To prevent any script from auto starting up the service)
- Stop all Sinequa services (sinequa.service & sinequa.identity1)
- Set both Sinequa services' "Startup Type" to disabled. (To prevent any script from auto starting up the service)
- Check that there is no process sinequa running (kill process which name begins with sinequa.*)
- Copy (move + overwrite) all files of the folder G:\softwares\sinequa<version.build>\sinequa into the folder D:\sinequa
- Set the IIS Service's "Startup Type" to "Automatic".
- Set both Sinequa services' "Startup Type" to "Automatic".
- Start all Sinequa services
- Start IIS service
- Delete the zip file G:\softwares\sinequa<version.build>.zip and the unzipped folder G:\softwares\sinequa<version.build>

Production environment

Sinequa server

- Copy the file sinequa<version.build>.zip on the server in the drive D
- Unzip the file in the folder D:\sinequa<version.build>
- Copy the folder D:\sinequa in the folder G\Backup\ (exclude the folders temp & log)
- Rename the folder G\Backup\sinequa into G:\sinequa_setup_backup\sinequa<year><month><day> (backup installation)
- From the Sinequa Administration page, stop the following:
 - All running jobs.
 - Stop the indexer.
 - Stop the Engine.
- Stop the IIS Service (World Wide Web Publishing Service)
- Set the IIS Service's "Startup Type" to "disabled". (To prevent any script from auto starting up the service)
- Stop all Sinequa services (sinequa.service & sinequa.identity1)
- Set both Sinequa services' "Startup Type" to disabled. (To prevent any script from auto starting up the service)
- Check that there is no process sinequa running (kill process which name begins with sinequa.*)
- Copy (move + overwrite) all files of the folder D:\sinequa<version.build>\sinequa into the folder D:\sinequa
- Set the IIS Service's "Startup Type" to "Automatic".
- Set both Sinequa services' "Startup Type" to "Automatic".
- Start all Sinequa services
- Start IIS service
- Delete the zip file D:\sinequa<version.build>.zip and the unzipped folder f:\sinequa<version.build>

Search interface

Override user

If you want to see what can see a user you can override its account.

Connect on the search interface with the Admin account. Add these parameters in the URL:

&overrideuser=<user account>&overridedomain=<domain>

<http://sinequa-prod.syensqo.com/admin?user=admin&password=xxxxxxxxx>

https://sinequa-prod.syensqo.com/search?profile=xECM_FP_PRODUCTION&overrideuser=MATH7002&overridedomain=OpenText_Production

Change user interface language

The default user language interface is the Windows. If the Windows language is different of English, French, Portuguese, China or German it will be English.

During a session you can change the user interface language by adding the parameter uilanguage(eg: uilanguage=fr, uilanguage=de,...) in the URL.

Example: <https://ehs-fp-search.syensqo.com/search?uilanguage=pt>

Administration interface

URL

Here's the URL of the administration interface: <https://sinequa-prod.syensqo.com/admin>

If your AD account doesn't have rights you can use this URL to connect with the Sinequa administrator account:

<https://sinequa-prod.syensqo.com/admin?user=admin&password=XXXXXX>

or go to <https://sinequa-prod.syensqo.com/login>

(login= admin / password=XXXXXX) and then go to <https://sinequa-prod.syensqo.com/admin>

Functions

Servers status

In this section you can delete and create index.

You can see the version of Sinequa.

Tasks status

In this section you can see the results of indexing tasks scheduled or not.

You can stop a running task of indexing.

Sessions status

In this section you can see all sessions.

Global options

In the tab General, you can see the version of Sinequa.

In the tab Indexes schema you can define the number of sourcecsv, sourcestr and sourcetree count (fields). If you change this value you have to click on the button Update indexes model.

After the update all indexes will be modified: new fields will be added.

Profiles

In this section you can see all profiles. A profile determines:

- appearance (skin)
- data set
- restrictions
- navigation boxes

For a profile, you can specify the list of indexes, the list of sources, the list of collections

In the Advanced tab, in the field Selection url patterns you can specified a sub-domain that will be associated to the profile (example: For the profile **Silica Light ECM** it's <https://silica-search.solvay.com/>).

Sources & collections

A source is a list of collections.

A collection describes data source to be indexed. It can be xECM, Aodocs,...

The name of the index is configured in the source.

In the tab General, the field Tree root indicates the location that will be used in the navigation box Sources.

In the tab Mappings, you can define the initialization of the variables.

You can start indexation by clicking on the button Start connector (the field Force reindexation must be checked).

In the tab Connection check Change connection group name on timeout to avoid trouble if there is page in timeout (avoid that all next pages are considered in timeout (avoid an issue with Tridion))

Domains and partitions

A domain is a list of partitions.

A partition describes a connector to get a list of users (AD,...).

Domain mappings

In this module, you can map different partitions.

Indexes

In this module you can find the list of the indexes. An index is a physical container that stores the result of the indexation.

Grid/nodes

List of Sinequa nodes.

Advanced/Advanced forms

In this module, you can define forms used in the advanced search.

Advanced/Skins

A skin describes a type of interface. All graphic elements are stored in the folder F:\sinequa\website\skins\<name of the skin>.

To configure the zone in the results search go in the tab Search Form.

In the section Custom html / Metadata html pattern if you type you will display nothing above the link Cached document. If there is nothing in the zone, Sinequa will put the default value that you can in the documentation.

The other solution is to insert this code in the search.cs plugin :

```
public override bool OnWriteDocMetadata(Doc doc)

{
    if (Str.EQNC(Session.Profile.Name, "RhodiaGlobal") || Str.EQNC(Session.Profile.Name, "RhodiaInteractive"))
    {
        return true;
    }
    return false;
}
```

Advanced/Plugins

List of the plug-ins.

A plug-in is a code that is executed during the indexation or the searching. The code replaces the normal execution to personalize treatment.

Crawler.cs

This plug-in concerns the indexation.

You can put code that will be executed during the indexation to make specific processing.

Example :There is a code to delete concurrencies of the parameter jsessionid (cleaning) in the URL.

search.cs

This plug-in concerns the searching interface.

The code makes these actions:

- takes into account the parameter q (search text) instead of text to be compliant with the Google Desktop
- manages sort
- manages pagination
- replace the character “_” by the character “ ” in the name of the document to allow break lines (avoid the increase of the width of the window)

```
public override bool OnWriteDocTitle(Doc doc)
{
    // string title = doc.SourceStr(13) + " " + doc.SourceStr(2) + " " + Ht.Text(doc.ResultTitle.Replace("_", " "));
    // string title = Ht.Text(doc.ResultTitle.Replace("_", " "));

    if (doc.SourceStr(13)=="0") {
        Hm.Write("<span class='customtitle' rhodiatitle=''", doc.SourceStr(13) ,">",title , "</span>");
    }
    else if (doc.SourceStr(2)=="WD") {
        Hm.Write("<span class='customtitle' rhodiatitle=''", doc.SourceStr(2) ,">",title , "</span>");
    }
    else {
        Hm.Write(title);
    }

    return true;
}
```

=> This code will change the color of the title if the field SOURCESTR13 is equal to 0 or SOURCESTR2 is equal to WD

Advanced/Navigation boxes

In this module, you can manage all navigation boxes, native and custom.

If the first character of the name of the box is “_” it means that it's a native box. You can't modify it.

Advanced/Commands

In this module you can execute Sinequa commands:

- delete collection
- delete source
- reorganize index (shrink index)
- sql request
- ...

Custom parameters

You can add parameters in all forms of the administration (profiles,...). These parameters could be used in plugins files to specific processing.

For example, the filter added in the boxes allowing to show box if the current treepath is a equal to a specific value was made by this method.

Content of E:\sinequa\data\configuration\form-override\box.list.xml overriding the form of the navigation box:

```

<?xml version="1.0" encoding="utf-8"?>
<Sinequa>
  <Inherit>box.list</Inherit>
  <Tab merge-type="merge" merge-attrname="id" merge-attrvalue="general">
    <Group merge-type="add">
      <Entry><Display>{Lang("Hide box if items count >[fr]Cacher la boîte si le nombre d'item est >")}</Display><DataTag>HideMoreThanXRows<
/DataTag></Entry>
    </Group>
    <Group merge-type="add">
      <Display>{Lang("Show box if filter[fr]Afficher la boîte si filtre")}</Display>
      <Grid>
        <DataTag>ShowBoxIfSelectionValue</DataTag>
        <Col><Title>{Lang("Box[fr]Boîte")}</Title><DataTag>boxname</DataTag><Width>50</Width><CellType>entrycombo<
/CellType><CellListName>listbox</CellListName></Col>
        <Col><Title>{Lang("Operator[fr]Opérateur")}</Title><DataTag>comp_operator</DataTag><Width>50</Width><CellType>entrycombo<
/CellType><CellListName>listcompoperator</CellListName></Col>
        <Col><Title>{Lang("Value[fr]Valeur")}</Title><DataTag>value</DataTag><Width>200</Width><CellType>input</CellType></Col>
        <Col><ShowPlus>true</ShowPlus><Width>16</Width><CellType>rowdelete</CellType><CellValue>rowdelete</CellValue></Col>
      </Grid>
    </Group>
    <Group merge-type="add">
      <Display>{Lang("Show box if is in tree[fr]Afficher la boîte si dans l'arbre")}</Display>
      <Grid>
        <DataTag>ShowBoxIfAllInTreeNode</DataTag>
        <Col><Title>{Lang("Box[fr]Boîte")}</Title><DataTag>BoxTreeName</DataTag><Width>50</Width><CellType>entrycombo<
/CellType><CellListName>listbox</CellListName></Col>
        <Col><Title>{Lang("Value[fr]Valeur")}</Title><DataTag>value</DataTag><Width>200</Width><CellType>input</CellType></Col>
        <Col><ShowPlus>true</ShowPlus><Width>16</Width><CellType>rowdelete</CellType><CellValue>rowdelete</CellValue></Col>
      </Grid>
    </Group>
  </Tab>
  <List merge-type="add">
    <Name>listcompoperator</Name>
    <Item><Name>Equals[fr]Est égal</Name><Value>=</Value></Item>
    <Item><Name>Contains[fr]Contient</Name><Value>contains</Value></Item>
  </List>
</Sinequa>

```

Part of the screen shot:

[blocked URL](#)

Data associated to these fields are used in the event OnWriteBoxList of the search plugin.

Jobs

In this module, you can schedule jobs (indexation of collections, partition synchronization, commands, list of jobs).

Logs

To reduce the log level for the WebApp, goto to Global options/Advanced and type 2 in the zone Sql log level (default 1). Otherwise, the size of the log files may be important.

[blocked URL](#)

If you want to activate logs for a module, you have to type 20 in the field Log level in the tab Advanced. The logs will be written in the folder D:\sinequa\log.

[blocked URL](#)

Translation of labels

If you want to translate English labels into French you have to put after the English label the characters "[fr]" and the French label.

Example: Keywords[fr]Mots clés

Replacement of labels

To replace label by a personalize label you have to put the replacement in the file E:\sinequa\data\configuration\lang\en.xml for English labels and in the file E:\sinequa\data\configuration\lang\fr.xml for French labels.

Example: The label in English in the bookmarks menu


```
<item>
<key>Baskets[fr]Paniers</key>
<value>Bookmarks</value>
</item>
```

New language

If you want to add a new language (language LG), you need to translate labels.

Copy the file D:\sinequa\samples\en.sample.xml into D:\sinequa\samples\LG.sample.xml

Translate the tag values of the file F:\sinequa\samples\LG.sample.xml

Copy the file E:\sinequa\data\configuration\lang\fr.xml into E:\sinequa\data\configuration\lang\LG.xml

Translate the tag values of the file G:\sinequa\data\configuration\lang\LG.xml

Need an IIS service restart to take it into account.

SCMD commands (Sinequa Command)

On the server, you can execute commands with SCMD exe.

Example of CSV export:

```
scmd execsqlcsv "select id,title,filename from idx_DocumentumEHS2 where text contains ' +(werchs)' and ((collection contains '/Documentum/rcsehs2_test
/*')) and sourcestr13 contains 'historical' and SearchParameters='mac=100000;dlang=autodetect;langw=en/1.2/fr/1.1/es/1.0/it/1.0/nl/1.0/ko/0.8/*0.9' count
2000000000 " f:\export_historical_werchs.txt"
```

SQL requests

Sinequa as developed is own SQL language for indexes requests. You can use the SQL Console within the Sinequa Admin page.
[blocked URL](#)

The SQL Console can only be accessible if the user is defined as Administrator for the domain.

You will need to make sure you are the administrator for the domain "Rhodia_AD".

If user is not able to find the SQL Console, make sure the user is added as the administrator of the "Rhodia_AD".

[blocked URL](#)

Example of request:

```
select id,databasealias,title,documentlanguages,authors,modified,indexationtime,version,keywords,size,treepath,filename,fileext,flags,collection,
docformat,doctype,containerid,msgfrom,msgto,remap(person),remap(company),remap(geo),url1,url2,accesslist1,
accesslist2,deniedlist1,sourcecsv1,sourcecsv2,sourcecsv3,
sourcecsv4,sourcecsv5,sourcecsv6,sourcecsv7,sourcecsv8,
sourcecsv9,sourcecsv10,sourcecsv11,sourcecsv12,sourcecsv13,
sourcecsv14,sourcecsv15,sourcecsv16,sourcecsv17,
sourcecsv18,sourcecsv19,sourcetree1,sourcetree2,sourcestr1,searchid,
from idx_CrawlInternet,idx_CrawlInternetDEV,idx_CrawlIntranet,idx_CrawlIntranetBasicHtml,
idx_CrawlIntranetBlog,idx_CrawlIntranetDEV,idx_Documentum,idx_Eroom
```

where ((collection contains '/InteractiveInternetPublic/*') or (collection contains '/InteractiveIntranetPublic/*') or (collection contains '/Eroom/*') or (collection contains '/BasicHtmlIntranet/*') or (collection contains '/Documentum/*')) and treepath contains '/Eroom/*' order by modified desc skip 0 count 20

CSV Export of the content of index

For small export you can use the Engine Console (Menu: Session/ Save Results).

For huge export you can execute this example of script (inside a bat extension file):

```
F:\sinequa\website\bin\tools.engine.SQL-32.exe --host=acew1psinesin01 "--execute=select id,documentlanguages,treepath,title,filename, modified, indexationtime,docformat,sourcecsv1,sourcecsv2,sourcecsv3,sourcestr1,sourcestr2,sourcestr3,sourcestr4,sourcestr5,sourcestr6,sourcestr7,sourcestr9, sourcestr10,sourcestr11,sourcestr12,sourcestr13,sourcestr14,sourcestr15,sourcestr16,sourcestr17,sourcestr18,sourcestr19,sourcestr20,sourcestr20, sourcestr21,sourcestr22,sourcecsv20 from idx_Documentum where treepath contains '/Documentum/RCSEHS/EHS/*' and sourcestr4 contains 'sds - europe' order by modified desc skip 0 count 200000" > ehsexport_sds_europe.dat
```

```
F:\sinequa\website\bin\tools.engine.SQL-32.exe --raw --host=acew1psinesin01 "--execute=select Id,DocumentLanguages,treepath,filename,modified, indexationtime,size,fileext,docformat,doctype,url1 from idx_solwebinternet where collection ='/SolwebInternet/Solvay.com/' order by indexationtime asc " > exportcsv.dat
```

Sinequa for Syensqo

Servers

Environment	Windows name	IP	AWS Name	Instance ID	Account ID	Account name	Jumpbox	Jumpbox	IP Jumpox
DEV	ASEW1DSINESIN01	172.18.226.200	sco-ec2-ew1-sine-d-sin-01	i-05fbdd1ab9af5e8a6	014498626072	Sinequa Development Account	sco-ec2-ew1-sine-d-rdp-01	i-0056f995faaa7a4c0	172.18.178.72
TEST	ASEW1VSINESIN01	172.18.226.230	sco-ec2-ew1-sine-v-sine-01	i-018cc64faf2231387	340752796330	Sinequa Preprod Account	same	same	same
PROD	ASEW1PSINESIN01	172.18.200.70	sco-ec2-ew1-sine-p-sin-01	i-0b9ecbd0068f7eeb2	463470971260	sinequa production account	same	same	same

Service accounts

The service accounts are all stored in this [GDrive link](#).

This link is only accessible by the Sinequa team. To access the link, request for the permission.

List of accounts:

Account	Server	Environment
oxo\SVC-000368	ASEW1DSINESIN01	SANDBOX
oxo\SVC-000379	ASEW1VSINESIN01	TEST
oxo\SVC-000497	ASEW1PSINESIN01	PRODUCTION

Organization of directories

Directory	Description
H:\IIS_Logs	Logs for IIS
D:\sinequa\	All source files for Sinequa
D:\sinequa\website	Scripts for the Web interface search
D:\sinequa\website\skins\SolvayV10	Files for the skin SolvayV10
F:\SinequaLog\log	Sinequa log files
E:\sinequa\data\configuration	All files for the configuration of Sinequa
E:\sinequa\data\configuration\lang	Files for the labels (French + English and others (PT & DE))
D:\sinequa\indexes	Index files
E:\sinequa_setup_backup	Dump of the index

E:\sinequa\data\configuration\delegated-admins	List of administrators of the application
--	---

Accounts

Accounts for the Web Sinequa interface are linked to Active Directory of Rhodia.

Extra accounts (Sinequa administrator, Web Services) have been created in this file:

E:\sinequa\data\configuration\domains\Sinequa\DefaultPartition\content.xml

Extra accounts are not visible in the administration interface but they can be used to restrict access to data.

Piwik

Piwik (Matomo) is a web analytics application to track online visits to one or more websites and display reports on these visits for analysis.

Piwik has been integrated in Sinequa by a js file inserted in the Skins:

The screenshot shows the 'administration' interface with a navigation bar containing 'Skin', 'Search & User Interfaces', 'Profile Dependencies', 'Skins', and 'xECM_FP' (with 2 references). Below the navigation bar are tabs for 'General', 'Search Form', 'Result List', 'Document Preview', 'Advanced', and 'Web Packages'. The 'General' tab is active, displaying a configuration table for the 'xECM_FP' skin.

	Name	xECM_FP
	Description	
	Include standard .css file	☒
	Additional .css files	skins/rhodiainteractive/rhodia.css
	Additional .js files	solvay_custom/piwik.ehs-fp-search.syensqo.com.js skins/rhodiainteractive/rhodia.js skins/rhodiainteractive/config_rcsehs2_only.js?20221011
	Favorite icon	
	Help URL	
	DOCTYPE declaration	
	Error page HTML template (complete page including DOCTYPE, header and body)	

Each interface has a configuration file in the folder D:\sinequa\website\solvay_custom\

Ex: Content of the file D:\sinequa\website\solvay_custom\piwik.ehs-fp-search.syensqo.com.js

```
(function(window, document, dataLayerName, id) {  
  window[dataLayerName]=window[dataLayerName]||[],window[dataLayerName].push({start:(new Date).getTime(),event:"stg.start"});var  
  scripts=document.getElementsByTagName('script')[0],tags=document.createElement('script');  
  var qP=[];dataLayerName!="dataLayer"&&qP.push("data_layer_name="+dataLayerName);var qPString=qP.length>0?("?" +qP.join("&")):"";  
  tags.async=!0,tags.src="https://syensqo.piwik.pro/"+id+".js"+qPString,scripts.parentNode.insertBefore(tags,scripts);  
  !function(a,n,i){a[n]=a[n]||{};for(var c=0;c<i.length;c++)!function(i){a[n][i]=a[n][i]||{},a[n][i].api=a[n][i].api||function(){var a=[];a.slice.call  
(arguments,0);"string"==typeof a[0]&&window[dataLayerName].push({event:n+"."+i+":"+a[0],parameters:[].slice.call(arguments,1)}})}(i[c])  
(window,"ppms",["tm","cm"]);  
})(window, document, 'dataLayer', 'd134c535-9467-4e2e-a00d-93b3397f15ad');
```

Url of the tool to see reports: <https://syensqo.piwik.pro/>

SSO SAML

SSO has been implemented on the 23.06.2025

Configuration screenshots:

WebApp

Distributed Architecture

WebApps

WebAppASEW1PSINESIN01

1 reference

Close

Edit

More a

General

Auto-Login

SOAP

REST

Stateless Mode

Audit

Advanced

User

Security domain

Considered as administrator

Login ServerVariable (e.g.: LOGON_USER)

Remove domain from ServerVariable

LDAP

☐

LOGON_USER

☒

Server Variable

User name

OAuth2 Identity Providers

Enable

Scope

Name

Client ID

Client secret

Security domain

SAML 2.0 Identity Providers

Enable

Scope

Name

URL

Entity ID

Security domain

☒

all

EntralD-prod

https://login.microsoftonline.com/5e60f7a7-d410-4d38-b875-93ca12adc30e/saml2

https://sts.windows.net/5e60f7a7-d410-4d38-b875-93ca12adc30e/

LDAP

Name

Description

Enable

EntralD-prod

☒

Service Provider (SP)

Name ID Policy Format override (default: urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified)

Log SAML request

Server URL override (e.g.: http://www.servername.com)

Issuer name override (default: https://www.sinequa.com/SP)

Requested authentication context (default: urn:oasis:names:tc:SAML:2.0:ac:classes:PasswordProtectedTransport)

Destination URL (default: IdP URL)

Want assertions signed

☒

☐

Signing Certificate (deprecated)

File

Password

Storage

SP Certificates ⓘ ▾

File	Password	Store	Use
Identity Provider (IdP) ▾			
URL	https://login.microsoftonline.com/5e60f7a7-d410-4d38-b875-93ca12adc30e/saml2		
Entity ID	https://sts.windows.net/5e60f7a7-d410-4d38-b875-93ca12adc30e/		
User ID XPath (default: saml2:Subject/saml2:NameID)			
Preserve whitespaces	☒		
Skew for 'NotBefore' assertion (default: 2 s)			
Skew for 'NotOnOrAfter' assertion (default: 2 s)			
IdP Certificates ⓘ ▾			
File	Password	Store	
D:\sso\certificate\sinequa-prod.cer			▼

IIS must be configured like this:

← → ASEW1PSINESIN01 ▸ Sites ▸ SinequaWebSite ▸

File View Help

Connections

- Start Page
- ASEW1PSINESIN01 (oxo\adms-r...)
- Application Pools
- Sites
 - fp-redirect
 - SinequaAPIService
 - SinequaWebSite
 - static

Authentication

Group by: No Grouping ▾

Name	Status	Response Type
Anonymous Authentication	Enabled	
ASP.NET Impersonation	Disabled	
Basic Authentication	Disabled	HTTP 401 Challenge
Forms Authentication	Disabled	HTTP 302 Login/Redirect
Windows Authentication	Disabled	HTTP 401 Challenge

Marquee Replacement

As Marquee feature is obsolete and may be removed at any time, a replacement for marquee feature is needed. (Marquee tag is used for text moving animation in web browser)

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/marquee>

Keyframes is used to replace marquee feature:

<https://css-tricks.com/snippets/css/keyframe-animation-syntax/>

Below code is added to F:\Sinequa\website\skins\rhodiainteractive\rhodia.css

Keyframes Transform Animation

```
/* New Marquee */
/* define the animation */
@-webkit-keyframes new_marquee {
  0% { -webkit-transform: translate(268px, 0); }
  100% { -webkit-transform: translate(-100%, 0); }
}
@-moz-keyframes new_marquee {
  0% { -moz-transform: translate(268px, 0); }
  100% { -moz-transform: translate(-100%, 0); }
}
@keyframes new_marquee {
  0% { transform: translate(268px, 0); }
  100% { transform: translate(-100%, 0); }
}

/* define your limiting container */
.new_marquee {
  white-space: nowrap;
  overflow: hidden;
  border-color: #0aa2e3;
  box-sizing: border-box;
  width: 268px;
  height: 20px;
}
/* this is the tray moving around your container */
.new_marquee span {
  display: inline-block;
  text-indent: 0;
  font-size: 13px;
  font-weight: bold;
  color: #808080;
  -webkit-animation: new_marquee linear infinite; /* here you select the animation */
  animation: new_marquee linear infinite; /* here you select the animation */
}
/* pause the animation on mouse over */
.new_marquee span:hover {
  -webkit-animation-play-state: paused;
  animation-play-state: paused;
}
```

In Sinequa plugin search.cs, below code is added:

New Marquee

```
string LogoTitle = Sys.Lang(Rhodia_LogoTitle);
string len = (LogoTitle.Length * 7).ToString();
string duration = ((LogoTitle.Length / 70) * 15).ToString();
if (duration == "0") {
    duration = "15";
}

Hm.Write("<p class=\"new_marquee\"><span style=\"animation-duration:", duration, "s;\">", LogoTitle, "<span></p>");
```

Logic above:

1. Get LogoTitle from search profile
2. Get length of LogoTitle
3. Calculate duration for the keyframes transform animation to scroll the text (Basically every 70 chars needed 15 seconds)
4. Write html code to call new marquee class

Change default images

Default images of the folder F:\sinequa\website\images (icons,...) can be replaced by new ones. You just have to create the new images with the same name in the folder F:\sinequa\website\images2

This folder is never overwritten by new upgrade of the software.

With this method we changed the default bookmark (basket) icon (basket.gif) and the new bookmark (basket) icon (new11.gif).

If you add new files in the folder images2 you need to restart IIS.

Specific settings

SolvayOne: Excluding indexation of the text "Google Translate" and "For a better display of Solvay ONE, please switch to Chrome browser" **(no longer used)**

Excluding the text "Google Translate"

[blocked URL](#)

Exclude the indexation of the SolvayOne by indicating the div in the XPath setting in the **Collection > Mappings > XPath**



Collection > Mappings > XPath

//div[@class="labelTranslate"]

[blocked URL](#)

Excluding the text "For a better display of Solvay ONE, please switch to Chrome browser"

[blocked URL](#)

Exclude the indexation of the SolvayOne by performing the indexation with Chrome agent.



Collection > Connection > User Agent

Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/41.0.2228.0 Safari/537.36

[blocked URL](#)

QUALITY MODOPE: integration in the custom fulltext of the values of multivalued dictionaries **(no longer used)**

For the project Quality modope the keyuser wants that the values of a multivalued dictionary are included in the custom fulltext.

To do this we modified the Method OnConnectorStart of the plugin connector documentum.cs:

For each dictionary a file is generated in the folder G:\sinequa\data\configuration\files\filemapping

Each file contains for each key a line of the list of values in each language and the key.

Example: First lines of the file DTC.csv.DIC QUALITE_MODOP Keywords.txt:

2-DIMETHYLAMINOETHYLE METHACRYLATE 2-DIMETHYLAMINOETHYLE METHACRYLATE ;2-DIMETHYLAMINOETHYLE METHACRYLATE
 2-HYDROXYPROPYLE ACRYLATE 2-HYDROXYPROPYLE ACRYLATE ;2-HYDROXYPROPYLE ACRYLATE
 4-VINYLE GAÏACOL 4-VINYLE GAÏACOL ;4-VINYLE GAÏACOL
 5-ETHYL-EVA 5-ETHYL-EVA ;5-ETHYL-EVA
 ACETALDEHYDE ACETALDEHYDE ;ACETALDEHYDE
 ACETATE D'ETHYLE ETHYL ACETATE ;ACETATE D'ETHYLE
 Acetate de butyle BUTYL ACETATE ;Acetate de butyle
 ACETATE DE PROPYLE PROPYL ACETATE ;ACETATE DE PROPYLE
 ACIDE ACETIQUE ACETIC ACID ;ACIDE ACETIQUE
 ACETIQUE ANHYDRE ACETIC ANHYDRIDE ;ACETIC ANHYDRIDE

In the plugin search.cs we created this new function:

```
// Function MultiFileMapping used in the mapping section of a collection // Used for multi-valued fields
public class MultiFileMapping : FunctionPlugin
{
    public override string GetValue(IDocContext ctx, params string[] values)
    {
        if (values.Length < 2) return "ERROR";
        string filemapping = values[0];
        ListStr l = ListStr.ListFromStr(values[1], ',');
        ListStr res = new ListStr();
        foreach (string val in l)
        {
            res.Add(CC.Current.FileMapping(filemapping, val));
        }
        return res.ToStr(',');
    }
}
```

In the section Custom Fulltext of the tab Mappings of the collection /Documentum/quality_modeop/ we added this expression:

```
Replace(MultiFileMapping("DTC.csv.DIC QUALITE_MODOP Keywords",property.keywords),","," ")
```

Force language for Deeg Project (no longer used)

For the interface Deeg (profile=DCT_QUALITY_DGI) , code in the plugin search.cs (OnPageStart() event) have been added to force the interface language to English if the language of the browser is different of French, German or English.

```
if (Session.SessionUiLangStr != "fr" && Session.SessionUiLangStr != "de" && Session.SessionUiLangStr != "en" && (Session.Profile.Name == "DCT_QUALITY_DGI_TEST" || Session.Profile.Name == "DCT_QUALITY_DGI")) {
    Session.SetUiLanguage("en");
    Session.RecalculateSessionUiLang();
}
```

EHS xECM interfaces

Add links in the menu with different color (no longer used)

blocked URL

To do this:

In the profile we added the links:

[blocked URL](#)

In the associated skin we added the files skins/gecdoc.js and skins/rhodiainteractive/gecdoc.css

[blocked URL](#)

Content of the file skins/gecdoc.js


```
$(document).ready(function() {
  $("#dm0m0i2td td:contains('GECDOC Contents')).each(function () {
    $(this).addClass( "gecdocZone1" );
  });
  $("#dm0m0i3td td:contains('GECDOC Contents')).each(function () {
    $(this).addClass( "gecdocZone1" );
  });

  $("#dm0m0i3td td:contains('GECDOC training')).each(function () {
    $(this).addClass( "gecdocZone1" );
  });
  $("#dm0m0i4td td:contains('GECDOC training')).each(function () {
    $(this).addClass( "gecdocZone1" );
  });
  $("#dm0m0i4td td:contains('Intranet GEC')).each(function () {
    $(this).addClass( "gecdocZone2" );
  });
  $("#dm0m0i5td td:contains('Intranet GEC')).each(function () {
    $(this).addClass( "gecdocZone2" );
  });
  $("#dm0m0i6td td:contains('Industrial Intranet')).each(function () {
    $(this).addClass( "gecdocZone2" );
  });
  $("#dm0m0i5td td:contains('Industrial Intranet')).each(function () {
    $(this).addClass( "gecdocZone2" );
  });
  $("#dm0m0i7td td:contains('Material Code')).each(function () {
    $(this).addClass( "gecdocZone3" );
  });
  $("#dm0m0i6td td:contains('Material Code')).each(function () {
    $(this).addClass( "gecdocZone3" );
  });
});
```

Content of the file skins/rhodiainteractive/gecdoc.css:

```
.gecdocZone1 {
  background-color:#97BE0E!important;
  cursor:pointer;
}

.gecdocZone2 {
  cursor:pointer;
  background-color:#9ACCE5!important;
}

.gecdocZone3 {
  cursor:pointer;
  background-color:#FF7F27!important;
}

#search-input{
  width:105px;
}
```

Box Process guide chapter (no longer used)

The box Process guide chapter is displayed only if the user has chosen the item PROCESS ENGINEERING in the box Discipline.

Setting of the box DCT_GEC_rho_dgi_process_guide (Process guide chapter):

[blocked URL](#)

CSV export

The export CSV is activated:

[blocked URL](#)

The fields that are exported is listed in the tab Export CSV of the profile:

[blocked URL](#)

Search on title in Advanced search (Issue with diacritical) (no longer used)

In the advanced search users can make search on title through a suggestion:

[blocked URL](#)

[blocked URL](#)

The title is stored in the field sourcestr19.

In the method GetSqlOverride we added this code:

```
else if (Str.EQNC(Session.Profile.Name, "DCT_QUALITY_GECDOC")){
    //and sourcestr4 contains

    colls = Regex.Matches(sql, "sourcestr{[\\w]+} contains '[^']*'");
    foreach (Match m in colls)
    {
        if (Str.Contains(m.Value, "sourcestr10"))
        {
            sql = Str.Replace(sql, m.Value, "sourcestr" + m.Groups[1].Value + " regexp '" + m.Groups[2].Value + ".*'");
        }
        if (Str.Contains(m.Value, "sourcestr18"))
        {
            sql = Str.Replace(sql, m.Value, "sourcestr" + m.Groups[1].Value + " regexp '" + m.Groups[2].Value + ".*'");
        }
        if (Str.Contains(m.Value, "sourcestr19"))
        {
            string valuegroup = RemoveDiacritics(m.Groups[2].Value);
            sql = Str.Replace(sql, m.Value, "sourcestr" + m.Groups[1].Value + " regexp '" + valuegroup + ".*' 'd'");
        }
    }
}
```

We created the function *RemoveDiacritics* to replace diacritics to fix issue :

```
// Remove Diacritics for regexp function
private string RemoveDiacritics(string result)
{
    result = result.Replace('à', 'a');
    result = result.Replace('á', 'a');
    result = result.Replace('â', 'a');
    result = result.Replace('ã', 'a');
    result = result.Replace('ä', 'a');
    result = result.Replace('å', 'a');
    result = result.Replace('é', 'e');
    result = result.Replace('è', 'e');
    result = result.Replace('ê', 'e');
    result = result.Replace('ë', 'e');
    result = result.Replace('ï', 'i');
    result = result.Replace('í', 'i');
    result = result.Replace('ì', 'i');
    result = result.Replace('î', 'i');
    result = result.Replace('ï', 'i');
    result = result.Replace('ò', 'o');
    result = result.Replace('ó', 'o');
    result = result.Replace('ô', 'o');
    result = result.Replace('õ', 'o');
    result = result.Replace('û', 'u');
    result = result.Replace('ü', 'u');
    result = result.Replace('ù', 'u');
    result = result.Replace('ú', 'u');
    result = result.Replace('ý', 'y');
    result = result.Replace('ÿ', 'y');
    result = result.Replace('ç', 'c');
    result = result.Replace('ñ', 'n');
    return result;
}
```

Multiple treesource1 value for GECDoc (no longer used)

In order for the document type for the same documents in GECDoc to appear in both tree source "2. DISCIPLINE DOCUMENT" and "3. RELATED DOCUMENTS" branch "TEMPLATE", special configuration is required.

[blocked URL](#)

In the filemapping/GEC.DocumentType, Documentum value "TEMPLATE" will map to "/2. DISCIPLINE DOCUMENT/TEMPLATE~/3. RELATED DOCUMENTS/TEMPLATE". As the multiFileMapping function cannot support retrieving value which contains ";", "~" is used to replace the special character ";".

[blocked URL](#)

In the Collection's mapping, using the replace function to replace "~" with ";" so as to store the value as a multi-value source tree.

```
Replace(MultiFileMapping("GEC.DocumentType", property.rho_doctype), "~", ";")
```

[blocked URL](#)

Force language for Qualité R&D project (DCT_QUALITY_QRD) (no longer used)

For the interface Qualité (profile=DCT_QUALITY_DGI) , code in the plugin search.cs (OnPageStart() event) have been added to force the interface language to French if the language of the browser is different of French.

```
if (Session.SessionUiLangStr != "fr" && Session.Profile.Name == "DCT_QUALITY_QRD") {  
    Session.SetUiLanguage("fr");  
    Session.RecalculateSessionUiLang();  
}
```

Linked documents for Qualité R&D project (DCT_QUALITY_QRD) (no longer used)

In the results list linked documents can be displayed (in French Documents associés):

[blocked URL](#)

During the indexation the content of the property rrd_q_linked_documents is set in the field sourcecsv4 and the content of the property property. rrd_q_i_linked_id is set in the fieldsourcecsv5.

The property rrd_q_linked_documents contents the list (label) of the linked documents (ex: 4SREAMO003;4SREAMO002).

The property rrd_q_i_linked_id contents the list (id) of the linked documents (ex: 090166358004807a;0901663580048079).

In the search.cs plugin we added a code for the display (OnWriteDocBeforeResultLinks):

```
public override void OnWriteDocBeforeResultLinks(Doc doc){  
  
    if (Str.EQNC(Session.Profile.Name, "DCT_QUALITY_QRD")){  
        Hm.Write("<br>");  
        Hm.Write("<span style='color:#000;'>Document(s) associé(s) : </span>");  
  
        int i,numberofdocsassoc;  
        string[] turl;  
  
        turl = doc.Url1.Split('=');  
  
        ListStr listLibelle = ListStr.ListFromStr(doc.SourceCsv4, ";");  
        ListStr listId = ListStr.ListFromStr(doc.SourceCsv5, ";");  
  
        numberofdocsassoc = listLibelle.Count;  
  
        if (listId.Count < numberofdocsassoc) numberofdocsassoc = listId.Count;  
  
        if (listLibelle.Count > 0 && listId.Count > 0 && numberofdocsassoc > 0) {  
            for (i = 0; i < numberofdocsassoc; i++)  
            {  
                if(Str.EQNC(listId[i],"0000000000000000")){  
                    Hm.Write(Ht.Text(listLibelle[i])," ");  
                }  
                else {  
                    Hm.Write("<a target='_blank' href='\""+turl[0],\""+listId[i],\"\" style='color:#0095D8;'>"+Ht.Text(listLibelle[i]),\"</a> ");  
                }  
            }  
        }  
    }  
}
```

Rewritings : allow search on synonym

With Sinequa it's possible to manage a list of synonyms on which you can search.

An how-to page explains how you implement it: <https://sinequa-test.syensqo.com/doc/en/Content/en.sinequa-es.how-to.rewritings.html?Highlight=rewriting>

We implement it for two search interfaces :

- <http://ehs-search.solvay.com>
- <http://aroma-commercialproductinformation-search.solvay.com>

Example:

In <http://ehs-search.solvay.com> if you search the word **PDMB** you will find documents that contains **PARADIMETHOXYBENZENE**:

blocked URL

rewriting expression for this example:

```
<rewriting lang="en,fr">
<patterns>
<form>Paradimethoxybenzene</form>
<form>PDMB</form>
</patterns>
<actions>
<erase when="q"></erase>
<gen>%Paradimethoxybenzene%</gen>
</actions>
</rewriting>
```

If you add new entries in a rewriting files you will have:

- reload the tagger of the indexer: select 'More actions' > 'Reload tagger' menu of indexer
- **Reload dictionaries if the Engine**: select the 'More actions' > 'Reload dictionaries' menu of Engine
- Reindex impacted documents (not sure ??)

Storage of the rewritings expressions : Indexing > Files > Rewritings

Public documents access for Documentum EHS application

We put in place a specific rule for "public" documents in Documentum: anybody of the AD can see documents that can be seen by the Documentum account `intranet_generic_user`. This account is member of the Documentum group `ehs_intranet_users`.

Access permissions are set by the import batch in Documentum according to a security matrix.

If a document can be seen by the members of the group `ehs_intranet_users` in Documentum it could be seen in Sinequa.

Note that users can open documents via Sinequa because no Documentum account is needed for this operation.

This rule was done in the domain mapping section:

blocked URL

External Website for Carechem (not used now, replaced by new app Sachem)

For Carechem (new name **NCEC**), we gave an access to Sinequa for users outside the Rhodia network.

Users can access to the profile <http://carechem-search.solvay.com> (<http://sinequa-prod.syensqo.com/search?profile=FdsCarechem>) by this url:

<https://fds-carechem-search.solvay.com/SnqCarechem/search>

They need an AD account. Login / password: `eua\carechem / tHHv871@zQ3`

The reverse proxy had been configured to map connections.

To do this, in IIS we created the WebSite Extranet on the port 8081:

blocked URL

The security settings:

blocked URL

In the website Extranet where created an application SDS:

blocked URL

In the file F:\sinequa\sinequa.xml we added this section:

```
<WebAppInfo>
<Name>WebAppVirtualSiteacew1psinesin01</Name>
<Path>F:\Sinequa\local-data-8081</Path>
<URLPatterns>http://*/Sinequa/*</URLPatterns>
</WebAppInfo>
```

Content of F:\sinequa\sinequa.xml on 03.08.2017:

```
<?xml version="1.0" encoding="utf-8"?>
<Sinequa>
  <DataPath>E:\sinequa\data</DataPath>
  <WebAppName>WebAppacew1psinesin01</WebAppName>
  <NodeName>Nodeacew1psinesin01</NodeName>
  <NodeData>
    <Identities>
      <Identity>
        <Number>0</Number>
        <User>SINEQUA_SVC_PRD</User>
        <Domain>EUA</Domain>
      </Identity>
      <Identity>
        <Number>1</Number>
        <User>SINEQUA_SVC_PRD</User>
        <Domain>EUA</Domain>
      </Identity>
    </Identities>
  </NodeData>
  <WebAppInfo>
    <Name>WebAppAutoCompletionacew1psinesin01</Name>
    <Path>F:\Sinequa\local-data-8089</Path>
    <URLPatterns>http://*/SnqAutoCompletion/*</URLPatterns>
  </WebAppInfo>
  <WebAppInfo>
    <Name>WebAppSnqChemtrecew1psinesin01</Name>
    <Path>F:\Sinequa\local-data-8080</Path>
    <URLPatterns>http://*/SnqChemtrecew/*</URLPatterns>
  </WebAppInfo>
  <WebAppInfo>
    <Name>WebAppSnqCarechemacew1psinesin01</Name>
    <Path>F:\Sinequa\local-data-8081</Path>
    <URLPatterns>http://*/SnqCarechem/*</URLPatterns>
  </WebAppInfo>
  <WebAppInfo>
    <Name>WebAppSnqNrccacew1psinesin01</Name>
    <Path>F:\Sinequa\local-data-8082</Path>
    <URLPatterns>http://*/SnqNrcc/*</URLPatterns>
  </WebAppInfo>
  <WebAppInfo>
    <Name>WebAppSnqNrccacew1psinesin01</Name>
    <Path>F:\Sinequa\local-data-8083</Path>
    <URLPatterns>http://*/SnqDivestitures/*</URLPatterns>
  </WebAppInfo>
</Sinequa>
```

We created the file F:\sinequa\website\bin\sinequa_filter.cfg containing these data:

```
//configuration for subsite 'sinequa' (http://localhost/sinequa/)
+sinequa
```

Content of the file F:\sinequa\website\bin\sinequa_filter.cfg on 03.08.2017:

```
//configuration for subsite 'sinequa' (http://localhost/SnqSuggestions/)
+Sinequa
+SnqNrcc
+SnqCarechem
+SnqChemtrecew
+SnqAutoCompletion
+SnqDivestitures
```

We created the folder F:\sinequa\local-data-8081 by duplicating the folder F:\sinequa\local-data and after deleting the folders F:\sinequa\local-data-8081\configuration and F:\sinequa\local-data-8081\status

In the Sinequa administration we created the WebApp WebAppVirtualSiteacew1psinesin01 (section Grid/WebApps)

The URL for the viewing of the document is change in the profile.

	TEST	PRODUCTION
External URL	http://qa-carechem-search.solvay.com/carechem-sinequa NOT DISPONIBLE ON INTERNET	https://fds-carechem-search.solvay.com/SnqCarechem/
Internal URL	http://carechem-search-test.solvay.com:8080/sinequa/	http://carechem-search.solvay.com:8081/sinequa/
Expression for the URL display	Concat("http://qa-carechem-search.solvay.com/FetchDoc/component/internetdri?objectId=",SubStringFromEnd(id,0,16))	Concat("http://fds-ecm.solvay.com/FetchDoc/dri.html?objectId=",SubStringFromEnd(id,0,16))
URL display	http://qa-carechem-search.solvay.com/FetchDoc/component/internetdri?objectId=XXX	https://fds-ecm.solvay.com/FetchDoc/dri.html?objectId=XXX
Reverse proxy associated	fribiswt01.ema.priv.rhodia.com (FRPARIST07 & FRPARIST06)	WDCISP04

Note:

If the configuration of Sinequa is changed, the changes will take effect on the WebSite Extranet (8081) after the restart of IIS or after a change by the admin:

<http://sinequa-prod.syensqo.com:8081/sinequa/admin>

(Login: eua\dtc_xxx)

Note #1

We are waiting for agreement (Documentum team) to add 2 new external access:

Study information :

Note #2 added the 23.01.2017 by LR

After the removal of the prefix **eua** in all domains (operation done week 3-2017) the Carechem interface was not working.

Operations done to fix the issue by LR:

- Creation of the partition **/Solvay_External_EHS/eua.solvay.external/** with name prefix equal to **eua**:
- [blocked URL](#)
- Creation of the domain mapping record:
- [blocked URL](#)
- Change of the security domain of the WebApp **WebAppSnqCarechemacew1psinesin01**
- [blocked URL](#)

SILICA ROCS - display the contact of a site (no longer used now)

For the interface <http://silica-search.solvay.com/search> when a user selects a site in the box PRODUCTION SITE the contact associated to the site will be displayed in the box SITE CONTACT.

We created the file (Files/File Mappings) Sites_Contacts_SILICA_ROCS (E:\sinequa\data\configuration\files\filemapping\Sites_Contacts_SILICA_ROCS.txt) :

```
DELPORTE Isabelle;Collonges
PALHARES Luciana;Paulinia
ARCE Jesus;Barquisimeto
SHI Feng;Qingdao Chengyang
STRICKLER Rachel;Chicago Heights
PARENTI Matteo;Livorno
SHI Feng;Qingdao Licang
LEE Sung-Ho;Incheon
```

This file contains the list of contacts for each sites.

For the collection /Documentum/silica_rocs/ in the Mapping tab we added this entry:

sourcestr26	FileMapping("Sites_Contacts_FAST_SILICA_ROCS",property.sol_doc_site)
-------------	--

For the box DCT_FAST_site_contact we added this line:

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In the plugin search.cs we modified the function IsUsed :

```

public bool IsUsed(Result result, string boxname, string comp_operator, string value)
{
    bool bok = false;
    int c = result.Query.GetSelectionCount();
    int i = 0;
    for (i = 0; i < c; i++)
    {
        Selection sel = result.Query.GetSelection;
        if (sel.Type == SelectionType.Simple)
        {
            SelectionSimple simple = (SelectionSimple)sel;
            if (Str.EQNC(simple.BoxName, boxname))
            {
                if (Str.EQ(comp_operator, "="))
                {
                    if (Str.EQNC(simple.Value, value)) return true;
                }
                else if (Str.EQ(comp_operator, "notempty"))
                {
                    //Sys.Log2(1, "BINGO " + simple.Value );
                    //if (!Str.IsEmpty(simple.Value)) Sys.Log2(1, "BINGO2 " + simple.Value );

                    if (!Str.IsEmpty(simple.Value)) return true;
                }
                else
                {
                    if (Str.IndexOfNoCase(simple.Value, value) > -1) return true;
                }
            }
        }
    }

    return bok;
}

```

Synonym - Searching for similar words

In order to include search words with the similar meaning, in Sinequa, we used the "synonyme" in the "Synonyms" under the "Advanced" "Files".

[blocked URL](#)

Synonym words
america;americas

Implement Info Box in RCSEHS skin

User request to add a special note in RCSEHS search profile:

[blocked URL](#)

Related CSS is implemented in F:\Sinequa\website\skins\rhodiainteractive\rhodia.css

```
.confluence-information-macro {background:#fcfcfc;border:1px solid #ccc;-moz-border-radius:5px;-webkit-border-radius:5px;border-radius:5px;color:
#333;margin:10px 0 1em 0;min-height:20px;padding:10px 10px 10px 36px;position:relative}

.confluence-information-macro-tip {background-color:#f3f9f4;border-color:#91c89c}
.confluence-information-macro .confluence-information-macro-icon.aui-iconfont-approve {color:#14892c}
.confluence-information-macro>.confluence-information-macro-body>p.empty{display:none}
.aui-icon-small {line-height: 0;position: relative;vertical-align: text-top;}
.aui-icon-small:before {
color: inherit;
font-family: "Atlassian Icons";
font-weight: normal;
-webkit-font-smoothing: antialiased; /* Improves the rendering of icons */
font-style: normal;
left: -30;
line-height: 1;
position: absolute;
text-indent: 0;
speak: none; /* This prevents screen readers from pronouncing the pseudo element text content used to trigger the icon font */
top: 8;
}
.aui-iconfont-approve:before{content:url("tips.gif")}
```

A new image is introduced in F:\Sinequa\website\skins\rhodiainteractive\tips.gif

A new javascript is implemented in F:\Sinequa\website\skins\rhodiainteractive\config_rcsehs2_only.js

```
// Create a flashing banner based on user request

var txt = "For some countries we have to use a dedicated SDS variant to comply with local regulations. For the others, we rely on the more generic \"
United Nations\" variant (\"SDS_UN\"). to consult which variant is appropriate for which country, click on the button \"List of SDS variants by country\"
above";

// create elements <table> and a <tbody>

var body = document.getElementById("search-table");

var tr = body.insertRow(1); var td = tr.insertCell(0);

var td2 = tr.insertCell(1);

td2.innerHTML = ("<div class=\"confluence-information-macro confluence-information-macro-tip\"><span class=\"aui-icon aui-icon-small aui-iconfont-
approve confluence-information-macro-icon\"></span><div class=\"confluence-information-macro-body\"><p>" + txt.fontSize(2) + "</p></div></div>");
```

RegWatch

The search interface RegWatch is based on a AoDocs library. Some documents have several files attached. When Sinequa indexes documents having several files it creates a record for each files in the index. The key user wanted to group files to the document.

Display for a document having 3 files attached:

[blocked URL](#)

To implement this feature, we created a script executed after the indexation. (\\acew1tsinesin01\works\regwatch_ECO\regwatch.cmd)

```
echo %date% %time% ++ Start of regwatch.cmd >> F:\works\regwatch_ECO\regwatch.log
call F:\works\regwatch_ECO\export_sourcestr22.cmd
PowerShell -File F:\works\regwatch_ECO\updatesinequa.ps1
call F:\Sinequa\website\bin\scmd.exe execsql @F:\works\regwatch_ECO\update_main_doc.sql localhost 10300 > F:
\works\regwatch_ECO\update_main_doc.sql.log
echo %date% %time% ++ End of regwatch.cmd >> F:\works\regwatch_ECO\regwatch.log
```

F:\works\regwatch_ECO\export_sourcestr22.cmd :

```
F:\Sinequa\website\bin\scmd.exe ExecSqlCsv "select sourcestr22 from idx_AoDOcs where collection='/AoDocs/RegWatch Database/' and
sourcestr22 <> " group by sourcestr22 order by sourcestr22 asc" F:\works\regwatch_ECO\export_sourcestr22.csv ";" localhost 10300
```


export_sourcestr22.sql :

```
sourcestr22;cachehit;rowfetchtime;processingtime;matchingrowcount;postgroupbymatchingrowcount
https://ao-docs.appspot.com/?aodocs-domain=solvay.com&#Menu_libraryHome/LibraryId_SyHKCcq19n8V1Rw9lj;0;1.44 ms;53.31 ms;
12487;7202
https://ao-docs.appspot.com/?aodocs-domain=solvay.com&#Menu_viewDoc/LibraryId_SyHKCcq19n8V1Rw9lj
/DocumentId_TdlqFys0RfK94j8csS
https://ao-docs.appspot.com/?aodocs-domain=solvay.com&#Menu_viewDoc/LibraryId_SyHKCcq19n8V1Rw9lj
/DocumentId_Tdq2zYdsZ2PUJ0vvMw
https://ao-docs.appspot.com/?aodocs-domain=solvay.com&#Menu_viewDoc/LibraryId_SyHKCcq19n8V1Rw9lj
/DocumentId_Te2OU2TuK3CWdKodUY
https://ao-docs.appspot.com/?aodocs-domain=solvay.com&#Menu_viewDoc/LibraryId_SyHKCcq19n8V1Rw9lj
/DocumentId_TezgeKmuWVtgRYhyvX
https://ao-docs.appspot.com/?aodocs-domain=solvay.com&#Menu_viewDoc/LibraryId_SyHKCcq19n8V1Rw9lj
/DocumentId_Tf4UYKd7BtJ4lOXSNl
....
```

This file contains the list of documents in AoDocs (not the files).

The script updatesinequa.ps1 generates a file like this which is executed:

```
update idx_AoDocs set sourcestr23 = 'Main',sourcecsv6="" where collection ='/AoDocs/RegWatch Database/' and id='/AoDocs/RegWatch
Database/[document/TdlqFys0RfK94j8csS/1nsOoz7nVPRx_SoPdxLsL_LsulauCTXntHHUW6Os3wc' ;

update idx_AoDocs set sourcestr23 = 'Main',sourcecsv6='https://docs.google.com/document/d
/17c49izfceHzbct_TzFkqSeAfht_LNVUBn_GuVeBS43M/edit?usp=drivesdk;https://docs.google.com/document/d
/1ptLzdVsOqgZ0rkblIlgPuS5L6E_BA81tpsQzi7NIDP2E/edit?usp=drivesdk;https://docs.google.com/spreadsheets/d
/1WLoZn2yJwC9An41WyzOOVn9w13RBIUZJKj2AaP-UrM/edit?usp=drivesdk' where collection ='/AoDocs/RegWatch Database/' and id=
'/AoDocs/RegWatch Database/[document/Tdq2zYdsZ2PUJ0vvMw/1F52JwGoon5Um9w_tDrUilx8mq1RrRNAUFYzIrAspZdM' ;

update idx_AoDocs set sourcestr23 = 'Main',sourcecsv6="" where collection ='/AoDocs/RegWatch Database/' and id='/AoDocs/RegWatch
Database/[document/Te2OU2TuK3CWdKodUY/1vE2Lhek6F281jjta1F4ITigQn6rfj1RV' ;

update idx_AoDocs set sourcestr23 = 'Main',sourcecsv6="" where collection ='/AoDocs/RegWatch Database/' and id='/AoDocs/RegWatch
Database/[document/TezgeKmuWVtgRYhyvX/1GNXPdM_NkJN08LZ3MoOj0FSuYcL64P_7' ;

update idx_AoDocs set sourcestr23 = 'Main',sourcecsv6='https://drive.google.com/file/d/1UCFuweka0BKNpCfBgB576zlaH0_QPpeHy/view?
usp=drivesdk;https://drive.google.com/file/d/1oHhF9HFBH8xvKhFag2q5ImDUZcSh6V52/view?usp=drivesdk;https://drive.google.com/file/d
/10_04bLjYlkeew582ac_xQyaEJWKEbCz/view?usp=drivesdk;https://drive.google.com/file/d/1o6FeYipl98Tus3776JaCl84LijRJqaVy/view?
usp=drivesdk;https://drive.google.com/file/d/1ehNkXIUgzDSe1uq9iHA9U0Ukr3zfPhWg/view?usp=drivesdk;https://drive.google.com/file/d
/1LHv24BDdG74XhHpxrm8-mk-GCEVYIr8S/view?usp=drivesdk;https://drive.google.com/file/d/1JkdKCqug2m-fUXHDrC-JbzpoTnrcMFLc
/view?usp=drivesdk' where collection ='/AoDocs/RegWatch Database/' and id='/AoDocs/RegWatch Database/[document
/Tf4UYKd7BtJ4lOXSNl/1IKKnR1gq3NvrHdlgmHAvAUy7AlsXEuH' ;

...
```

Salesforce integration in MySolvayPortal

MySolvayPortal (previously CEP) is a customer portal developed in Salesforce environment. Customers and distributors can search for documents (SDS, TDS,...) and download them.

Documentation Salesforce developer done during the project:

[MySolvayPortal - Sinequa](#) : technical specifications to search documents in Sinequa with rest API

[MySolvayPortal - Documentum](#): get and display content of a document stored in Documentum (SDS, RDS & TDS)

[blocked URL](#)

Salesforce is able to make search with Sinequa API Rest.

Example of query:

```
{
  "method": "search.profile",
  "profile": "DCT_RCSEHS_SDS_CEP",
  "responseType": "SearchResult",

  "query": { "text": "oxygen" ,

    "advanced": [{ "type": "simple",
      "name": "sourcestr41",

      "op": "eq",
      "value": "EN"

    },

    { "type": "simple",

      "name": "sourcestr26",
      "op": "eq",
      "value": "USA"

    },

    { "type": "multi",
      "name": "sourcestr2",
      "op": "eq",
      "Values": [ "P000000021959 ", "P00000019931", "P00000033143", "P00000028144", "P00000015289", "P00000000334",
        "P00000031407", "P00000031406"

    ]

  }

}
```

URLs and accounts

	INTEGRATION	TEST (=UAT = PRE-PRODUCTION)	PRODUCTION	
Sinequa URL Rest	http://product-documentation-search-test.solvay.com:8088/xrest	http://product-documentation-search-test.solvay.com:8088/xrest	http://product-documentation-search.solvay.com:8088/xrest	
URL for test display (html)	http://product-documentation-search-test.solvay.com:8088/search?profile=XXX	http://product-documentation-search-test.solvay.com:8088/search?profile=XXX	http://product-documentation-search.solvay.com:8088/search?profile=XXX	
login (used by Webmethod)	EUA\Wsinequa	EUA\Wsinequa	EUA\Wsinequa (used by Webmethod)	
Webmethod	https://b2bsim.solvay.com:443/rest/SolvayDocumentation/output/webservice/searchDocuments	https://b2bsim.solvay.com:443/rest/SolvayDocumentation/output/webservice/searchDocuments	https://b2b.solvay.com:443/rest/SolvayDocumentation/output/webservice/searchDocuments	
Login Webmethod (used by salesforce)	salesforcecrm / salesforcecrm	salesforcecrm / salesforcecrm	salesforcecrm / ***** (ask password to Webmethod team or salesforce team)	

Profiles created for Salesforce

Use	INTEGRATION	TEST	PRODUCTION	Comment
get SDS (docbase RCSEHS)	DCT_RCSEHS_SDS_CEP_INT	DCT_RCSEHS_SDS_CEP_TEST	DCT_RCSEHS_SDS_CEP	
get certificates (docbase RCSEHS)	DCT_RCSEHS_CERTIFICATES_CEP_INT	DCT_RCSEHS_CERTIFICATES_CEP_TEST	DCT_RCSEHS_CERTIFICATES_CEP	
get RDS (docbase RCSEHS)	DCT_RCSEHS_RDS_CEP_INT	DCT_RCSEHS_RDS_CEP_TEST	DCT_RCSEHS_RDS_CEP	Only Noveware
get TDS (docbase RCSDOC)	DCT_RCSDOC_TDS_CEP_INT	DCT_RCSDOC_TDS_CEP_TEST	DCT_RCSDOC_TDS_CEP	Only Noveware Not used ?

get TDS, Statement & Brochure (docbase FAST)	DCT_FAST_PRODOC_CEP_INT	DCT_FAST_PRODOC_CEP_TEST	DCT_FAST_PRODOC_CEP	
--	-------------------------	--------------------------	---------------------	--

Postman configuration example

[blocked URL](#)

[blocked URL](#)

[blocked URL](#)

SSL for Sinequa's IIS



Folder for SSL generated

<https://drive.google.com/drive/folders/1PBbRI28FrcGwe2hTZKI7OqbaiUhVuON6>

Pre-requisite:

- Make sure your computer has OpenSSL installed or go to WDCISWD21 server.
- Get the files generated previously from the link provided "Folder for SSL generated" above.
- Read up on the article - [Setup a SAN SSL Certificate for Intranet Application](#).

Adding/Removing domains from the SSL

1. Update the "[alt_names]" within sinequa-test.cnf or sinequa-prod.cnf file.
[blocked URL](#)
2. Execute the "generateCSR.bat" to generate the sinequa-test/prod.csr
3. Send the CSR to ad.operations@solvay.com team to get the signed CSR.
4. You will receive the signed CSR as .cer file.
5. Execute the "convertCERTtoPFX.bat" to convert the .cer to .pfx file.
You will be asked to enter the password for encoding the key into this .pfx. Use "Solvay".
6. Install the pfx into the IIS and bind the port 443 and 8085 with this cert.
7. No need to restart the IIS.



Test Environment SSL Location

I:\SSL\



Prod Environment SSL Location

<TBD>

WERCS

In the AWS FSX folder `\\amznfsxv6cy69eg.eua.solvay.com\share\WERCS`, 182362 SDS are stored for archive purpose. These files were indexed one time and can be search in the <https://ehs-all-search.solvay.com/> interface.

[blocked URL](#)

The files must be kept in the index. No need to reindex them.

If you want to reindex them (after Syensqo migration), you need to start the connector of the the collection /AWS FSX/WERCS/

Then you have to run the script `F:\works\wercs\sql\execute.bat` in order to update metaproperties.

Redirection page redirect.aspx

The redirect page `redirect.aspx` has been created in the folder `D:\sinequa\website\`

The page is used to search and open directly the document if there is only one document found. This page can be inserted in the intranet to avoid to manage internal id of the xECM documents (EHS interface).

This link is used in this file: in order to give direct access to the SDS for plant users.

Ex: https://ehs-fp-search.syensqo.com/redirect.aspx?sourcestr22=FR&sourcestr23=SDS_FR&sourcecsv2=PRCO90083229

by SE•Environnement 1 | GBU AROMA PERFORMANCE•SPECIALTY OPERATIONS

Contact: lea.vanengelandt@syensqo.com

[blocked URL](#)

Source code of redirect.aspx:

```
<%@ Page Language="VB" Debug="true" %>
<%@ Import Namespace="System.Net" %>
<%@ Import Namespace="System.IO" %>

<%

' Open a SDS by searching the url from prco, language and sbgvid

'Ex:
'https://ehs-fp-search.syensqo.com/redirect.aspx?sourcestr22=FR&sourcestr23=SDS_FR&sourcecsv2=PRCO90083229
'https://ehs-fp-search.syensqo.com/redirectnew.aspx?sourcestr22=FR&sourcestr23=SDS_FR&sourcecsv2=PRCO90083229

'Will open directly the SDS after an API call to get Url

'Result of the API call should be:
'{"ProcessingTime":"0.30 ms","RowFetchTime":"0.01 ms","TotalRowCount":1,"CursorRowCount":1,"CursorId":1,"AttributeCount":5,"
ColumnCount":1,"Attributes":{"cachehit":1,"rowfetchtime":"0.01 ms","processingtime":"0.30 ms","matchingrowcount":1,"
postgroupbymatchingrowcount":1},"Columns":["url1"],"Rows":[["https://xecm.syensqo.com/Votcs/cs.exe/1132412/20240620-
PRCO90083229-SDS_FR-FR-3_01-0252A7ADACAF1EDF8BDE003B417D848D_PDF.PDF?func=doc.
Fetch&nodelid=1132412&vernum=1&verType=PDF"]],"methodresult":"ok"}

Dim UrlIfNotFound
Dim ServerSinequaAPI as string
Dim Profile
Dim IndexSnq
Dim webRequest As HttpWebRequest
Dim webResponse As HttpWebResponse
Dim reader As StreamReader
Dim DataFromSinequa as string
Dim Collection

'oxo\SVC-000492 + pwd generated in postman
Dim Authorization = "b3hvXFNWQy0wMDA0OTI6QmllbnZlbnVlQEZyYW5jZVNvbHZheTI0OTM="

if("ASEW1PSINESIN01" = HttpContext.Current.Server.MachineName) then
    'PRODUCTION env
    Collection = "/xECM_production/xECM_production/"
    UrlIfNotFound = "https://ehs-search.syensqo.com"
    ServerSinequaAPI = "https://spain-search.syensqo.com/xrest"
    Profile = "xECM_FP_PRODUCTION"
    IndexSnq = "idx_xecm"
else
    'TEST env
    Collection = "/xECM_production/xECM_validation/"
    UrlIfNotFound = "https://ehs-search-preprod.syensqo.com/"
    ServerSinequaAPI = "https://utopia-search.syensqo.com/xrest"
    Profile = "xECM_FP_VALIDATION"
    IndexSnq = "idx_xecm"
end if

'response.write(HttpContext.Current.Server.MachineName)
'response.write(ServerSinequaAPI)
```

```
'response.end
```

```
Dim rho_sds_dh_repstatus = ""  
if (Request.QueryString("sourcestr2") IsNot Nothing) then  
    rho_sds_dh_repstatus = Request.QueryString("sourcestr2")  
end if  
  
Dim rho_sds_rh_specification = ""  
if (Request.QueryString("sourcecsv2") IsNot Nothing) then  
    rho_sds_rh_specification = Request.QueryString("sourcecsv2")  
end if
```

```
Dim rho_sds_dh_sbgvid = ""  
if (Request.QueryString("sourcestr23") IsNot Nothing) then  
    rho_sds_dh_sbgvid = Request.QueryString("sourcestr23")  
end if
```

```
Dim language = ""  
if (Request.QueryString("sourcestr22") IsNot Nothing) then  
    language = Request.QueryString("sourcestr22")  
end if
```

```
Dim bodytemplate = "{" + vbCrLf  
bodytemplate = bodytemplate + """"method""": ""engine.sql"" , " + vbCrLf  
bodytemplate = bodytemplate + """"profile""": """" + Profile + """" , " + vbCrLf  
bodytemplate = bodytemplate + """"responseType""": ""SearchResult"" , " + vbCrLf  
bodytemplate = bodytemplate + """"user""": ""admin"" , " + vbCrLf  
bodytemplate = bodytemplate + """"password""": ""SINEQUA01!"" , " + vbCrLf  
bodytemplate = bodytemplate + """"sql""": "" %%sql%% """" + vbCrLf  
bodytemplate = bodytemplate + "}"
```

```
webRequest = DirectCast(WebRequest.Create(ServerSinequaAPI), HttpWebRequest)  
webRequest.CachePolicy = new System.Net.Cache.RequestCachePolicy(System.Net.Cache.RequestCacheLevel.NoCacheNoStore)  
webRequest.Method = "POST"  
webRequest.Timeout = 12000  
webRequest.AutomaticDecompression = DecompressionMethods.GZip  
webRequest.ContentType = "application/json"  
webRequest.Headers.Add("Authorization", "Basic " + Authorization)
```

```
Dim sql = "select Url1 from " + IndexSng + " where collection= " + Collection + " and sourcestr13 = 'Released' and sourcestr2="" +  
rho_sds_rh_specification + " and sourcestr31="" + rho_sds_dh_sbgvid + " and sourcestr41="" + language + " count 1"  
Dim body = replace(bodytemplate,"%%sql%%",sql)
```

```
webRequest.ContentLength = body.Length
```

```
Dim requestWriter As StreamWriter = New StreamWriter(webRequest.GetRequestStream())  
requestWriter.Write(body)  
requestWriter.Close()
```

```
webResponse = DirectCast(webRequest.GetResponse(), HttpWebResponse)  
reader = New StreamReader(webResponse.GetResponseStream())  
DataFromSinequa = reader.ReadToEnd()
```

```
Dim s1 = "[" & "url1" & "]"
```

```
Dim url1 = ""  
Dim p1 As Integer = DataFromSinequa.IndexOf(s1)
```

```

if(p1 > 0) then
  Dim p2 As Integer = DataFromSinequa.IndexOf("[",p1)

  if(p2 > 0) then
    Dim p3 As Integer = DataFromSinequa.IndexOf("]",p3)

    if (p3 > 0) then
      url1 = DataFromSinequa.SubString(p2+3,p3-p2-4)
      url1 = url1.replace("\","/")
    end if
  end if
end if

'response.Write("<pre>" + url1 + "</pre>" + vbCrLf + vbCrLf)
'response.Write("<pre>" + body + "</pre>" + vbCrLf + vbCrLf)
'response.Write("<pre>" + sql + "</pre>" + vbCrLf + vbCrLf)
'response.Write("<pre>" + ServerSinequaAPI + "</pre>" + vbCrLf + vbCrLf)
'response.Write("<pre>" + DataFromSinequa + "</pre>" + vbCrLf + vbCrLf)

%>

<html lang="en">
<head>
  <meta charset="utf-8">
  <meta http-equiv="cache-control" content="max-age=0" />
  <meta http-equiv="cache-control" content="no-cache" />
  <meta http-equiv="expires" content="0" />
  <meta http-equiv="expires" content="Tue, 01 Jan 1980 1:00:00 GMT" />
  <meta http-equiv="pragma" content="no-cache" />
  <title>Redirect page from Sinequa to xECM</title>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.9.1/jquery.min.js"></script>

</head>
<body>

<% if( url1 = "" ) then %>
<p style="text-align:center;">

Can not find the SDS.<br>

</p>

<p style="text-align:center;">

Please search with <a href="<%response.write(UrlIfNotFound)%>"><%response.write(UrlIfNotFound)%>

<br>

</p>

<% else %>

<script>

window.location.href = '<% response.write(url1)%>';

</script>

<% end if %>

</body>
</html>

```

From the following link:

<http://ehs-search.syensqo.com/search?text=&advanced=1&precision=&strategy=&sort=globalrelevance.desc&after=&before=&docformat=&phonetics=1&fuzzysearch=1&sourcestr4=&sourcestr12=sds+for+france&sourcecsv3=&sourcecsv2=&sourcestr7=&sourcecsv1-0=fr+%28french%29&sourcecsv1-1=&sourcestr8=&sourcestr9=&sourcestr10=&sourcestr15=&sourcecsv20=81770>

<http://ehs-search.syensqo.com/search?text=&advanced=1&precision=&strategy=&sort=globalrelevance.desc&after=&before=&docformat=&phonetics=1&fuzzysearch=1&sourcestr4=&sourcestr12=sds+for+france&sourcecsv3=&sourcecsv2=&sourcestr7=&sourcecsv1-0=fr+%28french%29&sourcecsv1-1=&sourcestr8=&sourcestr9=&sourcestr10=&sourcestr15=&sourcecsv20=81770>

you can create the following link:

<http://ehs-search.solvay.com/redirect.aspx?text=&advanced=1&precision=&strategy=&sort=globalrelevance.desc&after=&before=&docformat=&phonetics=1&fuzzysearch=1&sourcestr4=&sourcestr12=sds+for+france&sourcecsv3=&sourcecsv2=&sourcestr7=&sourcecsv1-0=fr+%28french%29&sourcecsv1-1=&sourcestr8=&sourcestr9=&sourcestr10=&sourcestr15=&sourcecsv20=81770>

Anti-virus

It's important that the directory of the indexes (E:\Sinequa\indexes) and the temp folder (F:\Sinequa\Temp) are excluded of the scope of the anti-virus.

Tips

Add email in the target link

To add the email in the target link to the document change this line in this Profile / Display:

Force reindexation for all documents in a collection



Force Indexing on the whole Collections

If the collection has a lot of documents (like EHS), the reindexation process will take days to complete. If possible, don't reindex the whole collection if there are many documents to be reindexed.

Remember to uncheck the box "Force re-indexing" after usage.

You can force the reindexation for all documents in a collection by checking on the "Force re-indexing" in the Collection setting.

[blocked URL](#)

Force reindexation for some documents (for not forced reindexation)

You can force the reindexation by changing the value of the field version (backdate the document):

```
update idx_documentum set version = '1980-01-01'
where collection = '/Documentum/rcsehs/'
and (
filename = 'BBE23952BED08A59E10000000A8F7698.doc'
or filename = '10E53952BED08A59E10000000A8F7698.doc' )
```

During the next indexation the documents will be processed.

Known issues

2 profiles affected to the same sub-domain

It's important that a sub-domain (ex: magda-search.solvay.com) is affected to only one profile. If not, when you will access to the sub-domain the interface displayed will be randomly one of the two profiles.

This problem can happen easily when you make a copy of an existing profile to create a new one.

Engine can not start

If the engine can not start open the engine log.

If there is a message like this FATAL: index 'idx_XXX' was not cleanly stopped it means that the index is corrupted.

The only solution is to delete the index (E:\Sinequa\indexes\idx_XXX.hdb) and restart the engine.

You need to create the index and index the collections linked to this index.

This issue can occur if the engine is not correctly stopped (crash server).

Files in "D:\sinequa\temp" folder are not cleared.

The files in the temp folder is cleared at a regular interval set in the node page. If no value is set, the files will only be cleared in 3 hours interval.

[blocked URL](#)

Diagnostic a problem

The main issue is that an user call the support to say that he can't see a particular document in Sinequa. For this issue there is two explications: the document was not indexed or the user don't have right to see the document.

Here's the way to diagnostic the problem:

Get from the user the id, the title of the document and its treepath (the Sinequa folder where the document should be) .

Determine in which index it should be (idx_Documentum,...).

Make a request with the ConsoleEngine tool.

For example:

Request	Description
select * from idx_Documentum where treepath contains '/Documentum/RCSEHS/EHS/SDS/BU-01/R&D/*' limit 30	List the 30th documents of the treepath /Documentum/RCSEHS/EHS/SDS/BU-01/R&D/ if the index idx_Documentum
select * from idx_Documentum where filename = 'B9F9414D78DB3226E10000000A8F7697.doc'	List the document which has a filename equal to B9F9414D78DB3226E10000000A8F7697.doc

If the document have not been found it can be explained by these reasons:

- the document was not in the original application => check in the application
- the document was not indexed by Sinequa because an exclusion rules => check in the collection configuration the tab General (last section)

Identify the right of the users on Sinequa:

If the document is in the index you have to check the access.

Get the AD id of the user in the file E:\sinequa\data\configuration\domains\Rhodia_AD\<AD name>\content.xml

<AD name> can be one of these values: br-spo, fr-rhodia, sg_rhodia or us-crn

Use this URL to see the effective rights of the user:

https://sinequa-prod.syensqo.com/custompage?action=userrights&id=Rhodia_AD|<AD ID>

(The Rhodia ID is like that S-1-5-21-2074683374-75502006-538272213-79994)

Compare the date of ACL change in the indexed application with the last date of importation of accounts in Sinequa. If the change have been made after the import start the job of importation of accounts (domain).

Check if the user is in the file of the domain associated to the collection. Open the file E:\sinequa\data\configuration\domains\<domain name>\content.xml and look at his name.

You must find the user and the groups that he belongs. Compare with the ACL of the application => make a request to get the fields accesslist1, accesslist2 and deniedlist1 and compare with the ACL of the user.

See the debug variables of Sinequa:

Sinequa provide a page to see all the variables for debugging purposes.

<https://sinequa-prod.syensqo.com/requestdebug>

<https://sinequa-test.syensqo.com/requestdebug>

Enable RequestDebug feature:

[blocked URL](#)

Maintenance

Stop the application on the Sinequa server

- stop the WWW Publishing service
- stop the Sinequa.identity1 service
- stop the Sinequa.service service

Start the application on the Sinequa server

- start the Sinequa.identity1 service
- start the Sinequa.service service
- start the WWW Publishing service

Issues

Tasks are not launched (scheduler)

Stop Sinequa services (not IIS)

Delete the content of the folders D:\sinequa\locla-data & D:\sinequa\locla-data-8080

Restart the Sinequa services

Not able to access Sinequa with Windows (NTLM / KERBEROS) (no longer used)

Symptoms:

- When accessing the administration page, you are redirected to login page.
- When searching on the search page, no result are return.

What to do:

1. Stop IIS service.
2. Start IIS service.

Cause:

1. The scheduled recycling of the application pool in IIS will occasionally caused the Sinequa to use another WebApp (due to the load-balancing).
2. The swapped WebApp does not support NTLM authentication. Resulted to user being redirected to the login page.

Resolution:

1. Introduced a script to monitor on the "Sinequa WebApp Name" displayed on the /requestdebug page.
2. To know more about the script, you can read this [wiki](#).

Logs

The directories of the logs is cleaned automatically by an Infra script. Only the last 10 days are kept.

In case the infra script is not running, perform the following:

1. Inform Infra (Data centre team) to investigate on the issue.
2. Manually run the cmd which can clear 7 days of log files.

Command to clear the log files

```
forfiles -p "F:\SinequaLog" -s -m *.log -D -7 /C "cmd /c del @path"
```

Shrink of the indexes

Every week the index files have to be reorganize (shrink).

A command is scheduled.

Jobs control

Tasks status

In the Tasks Status you can see the list of all scheduled tasks with the status (Column Result). The link Log show you the report of the job.

Backup & restoration of the indexes

The files of the servers Sinequa are saved every day like all Rhodia's servers.

To have a valid backup of the folder of the indexes G:\sinequa\indexes the service Sinequa must be stopped during the backup.

However, the Sinequa command Backup can create a valid copy of the index.

Every night, the scheduled command backup (Job Backup indexes) copies the folder of the indexes in the folder G:\sinequa_indexes_dump

There is one subfolder for each index (<name of the index> + ".hdb").

To restore one index you must :

- check that the folder G:\sinequa_indexes_dump\<name of the folder>.hdb exists
- stop the Sinequa services
- delete the folder G:\sinequa\indexes\<name of the folder>.hdb
- copy the folder G:\sinequa_indexes_dump\<name of the folder>.hdb into the folder G:\sinequa\indexes\<name of the folder>.hdb
- start the Sinequa services

After, you can restart the indexation to have fresh data.

Tasks

Task	Who can do it	Comment
Check the indexation	Sinequa administrator	Check the log files every day
Create a new collection	Sinequa administrator	Configure a new collection and a new partition
Update the software	Sinequa administrator	Make it the test server first and test If test ok make it on the production server
Diagnostic a problem	Sinequa administrator	See the diagram

Deployment from test server to production server

All configuration settings are stored in xml files (E:\Sinequa\data\configuration).

There are different ways to apply changes on the production server.

- Use the administration interface only
- Copy the xml files from test to production and change data in files

- Copy the xml files from test to production and change data with the administration interface

Note that if you change or add an xml files you will not see the change in the administration interface. To see them you have to make pseudo change (like a Unix touch) in the administration interface. For example go to menu Global options, click on the button  and click on the Save button.