

ExLibris

SFX

Release Notes

20151000

Table of Contents

Highlights

SW changes

Changed KB Software

New Targets and Target Services

Implementation instructions

Highlights

13 targets added

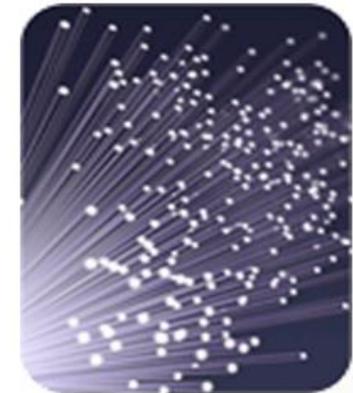
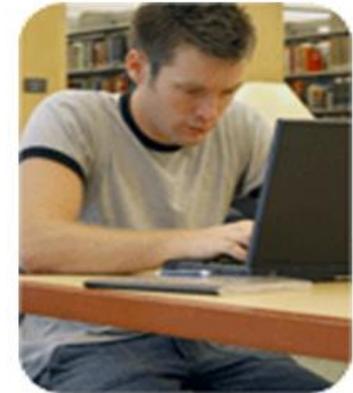
Elsevier ScienceDirect automated download & KB loader option

Export in KBART format

Additional features part of this release

Disable the Apache HTTP TRACE Method to prevent Trace Method Support Cross-Site Tracing Vulnerability

Improvements to the Solr logging process



Target Name Change:

EMERALD_A-Z_JOURNALS changed to EMERALD_A-Z_CURRENT_JOURNALS

Targets Removed: as announced in the 20150600 release notes

All are removed based on vendor's recommendation as the collections are no longer available.

KNOVEL_ESSENTIALS

KNOVEL_COMPLETE

SAGE_COLLECTIONS_PLUS_2007

SAGE_COLLECTIONS_PLUS_2008

SAGE_PREMIER_PLUS_PACKAGE_2007

SAGE_PREMIER_PLUS_PACKAGE_2008

SAGE_CSIC_CROSS_ACCESS_PACKAGE

LANDES_BIOSCIENCE_JOURNALS

TAYLOR_FRANCIS_FRESH_JOURNALS_COLLECTION_2013

TAYLOR_FRANCIS_SCIENCE_TECHNOLOGY_LIBRARY_FRESH_JOURNALS

TAYLOR_FRANCIS_SOCIAL_SCIENCE_HUMANITIES_LIBRARY_FRESH_JOURNALS

TAYLOR_FRANCIS_SOCIAL_SCIENCE_HUMANITIES_WITH_SCIENCE_TECHNOLOGY_FRESH_JOURNALS

TAYLOR_FRANCIS_NEW_LAUNCH_FREE_TRIAL_2013

TAYLOR_FRANCIS_NEW_LAUNCH_FREE_TRIAL_2014

Targets to be Removed in Revision 20151400:

The following packages are no longer available:

ELSEVIER_SD_AMERICAN_MED_INFORMATICS

ELSEVIER_SD_AMERICAN_PSYCHOLOGICAL_ASSOC

ELSEVIER_SD_ANDERSEN_PUBLISHING_LTD

ELSEVIER_SD_CHINA_COLLECTION

ELSEVIER_SD_COLLECTION

ELSEVIER_SD_HEALTH

ELSEVIER_SD_SOC_BIOTECH_JAPAN

INGENTA_CONNECT_CANADIAN_ASSOCIATION_OCCUPATIONAL_THERAPISTS
INGENTA_CONNECT_EUROPEAN_ACOUSTICS_ASSOC
INGENTA_CONNECT_EXPERT_REVIEWS
INGENTA_CONNECT_FUTURE_DRUGS
INGENTA_CONNECT_JACKSON_PUBLISHING
INGENTA_CONNECT_ROYAL_COLLEGE_GENERAL_PR
INGENTA_CONNECT_TASH_PUBLISHING
OVID_ACP_JOURNAL_CLUB
No longer hosted in Highwire:
HIGHWIRE_PRESS_AMERICAN_SOCIETY_OF_ANIMAL_SCIENCE
Publisher is no longer active:
SWETSWISE
CRKN_SWETS_ALPSP_COLLECTION_2008-2013
ALJC_SWETSWISE

Targets to be Removed in the Next Revision (20151100 revision):

NURIMEDIA_KOREAN_STUDIES_BOOKS
WILSON_APPLIED_SCIENCE_AND_TECHNOLOGY_ABSTRACTS
WILSON_APPLIED_SCIENCE_AND_TECHNOLOGY_FULL_TEXT
WILSON_ART_ABSTRACTS
WILSON_ART_FULL_TEXT
WILSON_ART_INDEX_RETROSPECTIVE
WILSON_BIOLOGICAL_AND_AGRICULTURAL_INDEX
WILSON_BOOK_REVIEW_DIGEST
WILSON_BUSINESS_PERIODICALS_ABSTRACTS
WILSON_BUSINESS_PERIODICALS_FULL_TEXT
WILSON_EDUCATION_ABSTRACTS
WILSON_EDUCATION_FULL_TEXT
WILSON_GENERAL_SCIENCE_ABSTRACTS
WILSON_GENERAL_SCIENCE_FULL_TEXT

WILSON_HUMANITIES_INDEX
WILSON_INDEX_TO_LEGAL_PERIODICALS_AND_BOOKS
WILSON_LIBRARY_LITERATURE_AND_INFORMATION_SCIENCE_FULL_TEXT
WILSON_LIBRARY_LITERATURE_AND_INFORMATION_SCIENCE_INDEX
WILSON_OMNIFILE_FT_MEGA
WILSON_OMNIFILE_FULLTEXT_SELECT
WILSON_OMNIFILE_V_FULLTEXT
WILSON_READERS_GUIDE_TO_PERIODICAL_LITER
WILSON_SOCIAL_SCIENCES_ABSTRACTS
WILSON_SOCIAL_SCIENCES_FULL_TEXT

Applying the Revision

The following packages are released:

sfx-kbsw-update-20151000.run

sfx-kbdb-update-20151000.run

sfx-sw-update-4.7.2.run

For directions on applying the revision, refer to the **SFX KB Update** section of the *SFX General User's Guide*.

Highlights

Elsevier ScienceDirect Automated Download & KB Loader Option

A new option has been added to SFX to download Elsevier entitlements automatically from their Website and to localize the Elsevier ScienceDirect title lists in SFX. This new feature is available from the Server Admin Utility and provides automated downloading of the holdings file from the Elsevier Website and uploading into SFX. This option can be scheduled to run once a month. Two new dedicated targets have been added to the SFX KB to work with the automated load option. Configuration instructions can be found in the Implementation Instructions.

Note: The Elsevier customer ID that you need to activate this service is not yet available from Elsevier; therefore, you cannot activate this service yet. We will provide more information on how to obtain the customer ID when it becomes available.

Export in KBART Format

A new option has been added to the Advanced Export section of the SFX Admin Center > Export tool, to allow the exporting of SFX holdings information in KBART format. Each target is exported as a separate file, as per KBART format requirements, and all files are compressed into one zip file for easier downloading. The new KBART format is also available in the commandline version of the Export tool and can be defined via the Advanced Export profiles section.

Additional New Features

A configuration option to restrict access to AZ interfaces (Journals and eBook Search) by IP range.

A new option to schedule the MARCIt! process via the Server Admin Utility.

A reorganization of the Server Admin Utility with the addition of the new option Exports/Imports. Existing options related to exporting or importing information, such as MARCIt!, Google, and Primo Exports have been moved under this new Exports/Imports option.

Disable the Apache HTTP TRACE Method to Prevent Trace Method Support Cross-Site Tracing Vulnerability in the Apache Web Server

A script is run automatically during the revision update to disable the Trace method in the `httpd.conf` file of the reverse proxy and `sfxglb41` instance.

Important: Note that the reverse proxy and the global instance's apache servers are restarted automatically as part of the revision update in order for the new settings to take effect.

This means that there will be a very short downtime during the apache restart.

Note: There is a small issue for customers who do not run the revision as root but do run the reverse proxy as root. In this case they will be prompted for the UNIX root password at the end of the revision. If the UNIX root password is not available at this time, it is possible to interrupt the process with CTRL+C and the revision will still finish correctly. The only problem is that the security fix for TRACE does not apply until the next restart of the reverse proxy.

Improvements to the Solr Logging Process

Solr is used for the eBook Search interface. The following changes have been made:

1. The Solr log file (`solr.log`) is now written to the `SOLR_HOME/logs/` directory (instead of `<global_user>/logs/` directory).
2. The log is configured as a weekly rotational log.
3. The log format has been changed to display the date in a user-friendly way.

Important: Note that a restart of Solr is performed automatically as part of the revision update in order for the new settings to take effect. During the restart there is downtime of the eBook Search for about one minute.

Changed Programs – SFX Software

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Enhancement	APIs - External Integration	<p>Elsevier ScienceDirect automated download and KB loader option. A new option in the Server Admin Utility provides automated downloading and localization of the Elsevier ScienceDirect targets in the SFX KnowledgeBase. This option can be scheduled to retrieve an updated holdings file from Elsevier and use it to localize the SFX KB once a month. Two new dedicated targets have been added to the SFX KB to work with the automated load option. Configuration instructions can be found in the Implementation Instructions.</p> <p>Note: The Elsevier customer ID that you need to activate this service is not yet available from Elsevier; therefore, you cannot activate this service yet. We will provide more information on how to obtain the customer ID when it becomes available.</p>	<p><i>System Administration Guide , SFX Target Configuration Guide , Using SFX in a Consortium Environment .</i></p>	<p>admin/server_admin_util admin/kbtools/dataloader.pl admin/kbtools/elsevier_sd_autoloader.cron admin/kbtools/elsevier_sd_autoloader.pl admin/kbtools/elsevier_sd_autoloader_scheduler.pl config/central_management.config.cloud config/central_management.config__ config/elsevier_sd_api.config__ config/elsevier_sd_autoloader.config__ lib/Admin/KBManager/Institute.pm lib/Admin/Tool/DataLoader.pm lib/Automation/BuisnessLogic.pm lib/Automation/Downloader.pm lib/Automation/Engine.pm lib/Automation/Loader.pm lib/Automation/BuisnessLogic/ElsevierSD.pm lib/Automation/BuisnessLogic/ElsevierSDStatics.pm lib/Automation/BuisnessLogic/ElsevierSDUtilManager.pm lib/Automation/BuisnessLogic/KBARTSplitter.pm lib/Automation/Downloader/ElsevierSD.pm lib/Automation/Loader/ElsevierSD.pm lib/Automation/Utils/EmailUtil.pm lib/Automation/Utils/ReportUtil.pm</p>	SFX-5202	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Enhancement	BO KB Tools - Export Tool	Export in KBART format. A new option has been added to the Advanced export section of the SFXAdmin > Export tool to allow the export of SFX holdings information in KBART format. Each target is exported as a separate file, as per KBART format requirements, and all files are compressed into one zip file for easier downloading. The new KBART format is also available in the commandline version of the Export tool and can be defined via the Advanced Export profiles section.	<i>SFX General User Guide</i> and <i>SFX Advanced Users Guide</i>	templates/sfxctrl/export/export.tpl templates/js/admin_tools/export.js lib/Admin/Tool.pm sfxadmin/profile.cgi lib/Admin/Tool/Kbart.pm admin/kbtools/export.pl lib/DBLayer/TargetService.pm lib/Admin/Tool/Kbart.t sfxadmin/export.cgi	SFX-5072	
Enhancement	Back Office - General	Added support for monthly tasks to the Centralized Management of Maintenance Tasks. It is now possible to specify which day of the month (a number between 1 and 31) a maintenance task should be run.	<i>SFX System Administration Guide</i>	lib/CentralJobManagement/ConfigUtil.p m lib/CentralJobManagement/Problematic Jobs.pm	SFX-5451	
Enhancement	Front End - A-Z List	Added the ability to restrict access to AZ interfaces (Journals and eBook Search) by IP/IP range. This defect requires a script called <code>patch-pre-4.7.2-5.pl</code> to be run as part of the revision to add a new section to the existing configuration file <code>config/connection_user.config_</code>	<i>SFX System Administration Guide</i>	cgi/core/azlist_ver3/a-z.cgi config/connection_user.config_ revision_maker/applsw/patch-pre-4.7.2- 5.pl revision_maker/applsw/add_az_ip_restr iction_section.pl revision_maker/applsw/foreachinstanc e.pl	SFX-5267	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Enhancement	KB Data - KB Data	Provide an option for the Ex Libris KB team to load authors of type undefined for data files where the author type (personal, corporate, and meeting) was not provided by the vendor. This defect requires a script to be run as part of the revision, called <code>patch-pre-4.7.2-2.pl</code> to make the necessary database table changes.	SFX General Users Guide	dbs/sqltab/KB_AUTHORS.tab dbs/sqltab/KB_AUTHORS_REPORT.ta b dbs/sqltab/KB_AUTHORS_FT_INDEX.t ab sfxadmin/search_objects.cgi templates/js/admin/object/search_condi tion_control.js lib/Admin/Object/Search.pm lib/MetaData/AuthorManager.pm lib/DBLayer/AuthorsFTIndex.pm lib/DBLayer/Authors.pm lib/MetaData/Validator/Author.pm revision_maker/applsw/patch-pre-4.7.2- 2.pl	SFX-5433	
Enhancement	Utilities - Server Admin Util	Added an option to schedule the MARCIt! process via the Server Admin Utility. Additionally, a new Exports/Imports option has been added to the Server Admin Utility. Existing options related to exporting or importing information, such as MARCIt!, Google, and Primo Exports have been moved under this new option.	System Administration Guide	admin/server_admin_util admin/kbtools/marc_enhancement.cron admin/kbtools/marcit_scheduler.pl	SFX-5385	
Enhancement		Improve KBManager target name search to allow target names without an underscore to be searchable.	SFX General Users Guide	templates/sfxctrl/target/list.htm	SFX-5362	
Defect	Back Office - A-Z List	Fixed the problem in the AZ Journal List where if a search consisted of the digit '0' in a Contains or Starts With search, the search returned no results. This problem has been fixed.		lib/AZLIST/SearchInput.pm lib/Solr/AZQuery/StatementHandler.pm	SFX-5432	117911

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	Back Office - KBManager	Fixed the problem with a display of the List of Portfolios window of the KBManager. In low resolution monitors, the SFX button was not accessible. This problem has been fixed.		templates/css/sfx_admin.css templates/sfxctrl/portfolio/list.tmpl	SFX-5395	114700
Defect	Back Office - KBManager	Long titles (more than 30 characters) in Hebrew, Chinese, Japanese, and Korean languages had broken characters in the Object List in the SFX Admin > Search Objects results page. This problem has been fixed.		lib/Admin/Object/List.pm templates/sfxctrl/object/list.tmpl templates/css/sfx_admin.css	SFX-5375	
Defect	Back Office - KBManager	The maximum length of the Linking Parameter field has been increased from 256 bytes to 1024 bytes. This defect requires a script called patch-pre-4.7.2-6.pl to be run as part of the revision to make the necessary database table changes.		db/sqltab/KB_LINKING_PARAMETER S.tab db/sqltab/KB_LINKING_PARAMETER S_REPORT.tab db/sqltab/LCL_LINKING_PARAMETE RS.tab db/sqltab/LCL_LINKING_PARAMETE RS_REPORT.tab revision_maker/applsw/patch-pre-4.7.2-6.pl	SFX-5157	64584
Defect	Back Office - KBManager, BO KB Tools - Export Tool	Fixed the problem with a missing space between last and first names when displaying or exporting a locally created personal author Full Name.		lib/MetaData/AuthorManager.pm	SFX-5485	
Defect	Back Office - Other	Fixed the problem with scheduling tasks in the Collection Tool. The scheduling failed when the option ACTIVE for targets was selected.		lib/Admin/CollectionTool/CollectionCove rage.pm	SFX-5345	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	Back Office - SFXAdmin - General	Additional text has been added to the help text in SFX Admin Center - Menu Configuration - Menu Design to clarify the selection and configuration of the different template sets.		templates/sfxctrl/custom/general_configuration.tpl templates/sfxctrl/custom/simplified_and_mobile_configuration.tpl	SFX-5374	
Defect	Back Office - SFXAdmin - General	Korean objects were not displayed correctly in SFX Admin Center. In SFX Admin > View/Edit Object pages. Korean objects displayed WRITING_SYSTEM-KANA instead of WRITING_SYSTEM-HANGUL. This problem has been fixed.		sfxadmin/search_objects.cgi	SFX-5449	
Defect	Back Office - Statistics	Added support for EISSN in the Statistics Query 9 report. Before the change, the report included only usage information for print ISSNs.		lib/Stats/Query_9.pm	SFX-5355	
Defect	BO KB Tools - Data Loader	Improved the dataloader report. During the translation phase of the DataLoader tool - where SFX tries to find matching print ISSN if the load file included eISSNs - there were confusing warning messages if no print ISSN exist in the SFX KnowledgeBase. These messages have been changed to make it clearer that there is no problem in such cases.		lib/Admin/Tool.pm	SFX-5378	103243
Defect	BO KB Tools - Export Tool	Improved the performance of the MARC XML export by eliminating redundant time queries from the OS. Time information from the OS is used for timestamp information in the MARC XML file, but the query was performed more than once. This was not necessary and could reduce performance.		lib/Admin/Tool.pm	SFX-5534	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	BO KB Tools - Export Tool, General - Other	Fixed the problem in the Google export file with parsedDate thresholds of type <code>greater than</code> . When translating these thresholds to the XML format <code><from></from></code> of the Google holdings file, the same mechanism was used for ' <code><</code> ' and ' <code><=</code> ', resulting in incorrect year information. This problem has been fixed.		lib/Admin/Tool.pm	SFX-5333	
Defect	Front End - A-Z List	The sorting of targets in the AZ list was based only the configuration file <code>sort_services.config_</code> . This was changed to ensure that the sorting of AZ list targets is per the configuration defined for the SFXMenu (either via SFXAdmin > Menu configuration or via configuration file <code>sort_services.config_</code>).		lib/AZLIST/Base.pm	SFX-5344	
Defect	Front End - eBook Search	Deprecated Solr data directory was removed from the SFX tree. This defect requires a script called <code>patch-post-4.7.0-1.pl</code> to be run as part of the revision to delete the Solr data directory for all instances at: <code>/exlibris/sfx_ver/app/apache-solr-3.5.0/sfx/solr/</code>		revision_maker/applsw/patch-post-4.7.2-1.pl	SFX-5036	
Defect	Front End - eBook Search	Fixed problem with author searches in eBook search for Japanese books. The eBook search did not find results when searching by author name, due to incorrect decoding of the author name's value. This problem has been fixed.		lib/Solr/AZQuery/StatementHandler.pm	SFX-5370	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	Front End - eBook Search, General - Other	<p>The Solr logging process has been changed and will be controlled by the following file: SOLR_HOME/resources/og4j.properties</p> <p>The following changes have been made: 1. The Solr log file (solr.log) will be now written to the SOLR_HOME/logs/ directory (instead of <global_user>/logs/ directory). 2. The log is configured as a weekly rotational log. 3. The log format has been changed to display the date in a user-friendly way.</p> <p>The new configurations are installed by a revision script called patch-post-4.7.2-2.pl. A restart to Solr is performed automatically as part of the revision update in order for the new settings to take effect.</p>		admin/init_scripts/solr.pl solr/resources/log4j.properties revision_maker/applysw/patch-post-4.7.2-2.pl	SFX-5331	
Defect	General - Other	Fixed the problem with warning messages in the apache error log.		lib/SFXMenu/Output/IMG.pm	SFX-5354	105878
Defect	General - Other	Fixed the problem when using the Server Admin Utility option to change database passwords. If an incorrect root password was provided, the tool did not fail but continued to ask for a new password. No clear error message was provided.		admin/database/passwd.pl	SFX-2806	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	General - Other, KB Data - KB Data	Text for the relation type OTHER_BOOK_EDITION and text to describe related objects' services have been added to the KB_MULTILANGUAGE table for languages other than English.		revision_maker/applsw/patch-post-4.7.2-3.pl revision_maker/applsw/patch-post-4.7.2-4.pl	SFX-5278	
Defect	General - Other, Utilities - Other	Fixed the problem with the Solr daemon not correctly identifying that Solr is running.		admin/init_scripts/solr.pl admin/init_scripts/solr_daemon.pl lib/Solr/Maintanance.pm	SFX-5332	
Defect	SFX Menu - Resolver	Fixed the problem with SFX XML API targets not using DOI linking (via dx.doi.org). The problem occurred only for the SFX Menu XML response if a target service was not enabled to do a CrossRef look-up.		lib/SFXResolver/Engine.pm	SFX-5442	
Defect	Utilities - Create/Drop Instance	Fixed the problem with warning messages displayed when creating a new SFX instance - when using MySQL 5.6.		lib/DBLayer/Base/Database.pm dbs/sqltab/LCL_MULTILANGUAGE.trg dbs/sqltab/LCL_TITLE.trg dbs/sqltab/LCL_TITLE_KEYS.trg	SFX-5418	
Defect	Utilities - Other	Fixed the file permission problems for /exlibris/sfx_ver/sfx4_1/sfxglb41/dbs/sqltab/run_sql_file.pl file. The file permissions resulted in error messages in the MySQL error log and caused the daily authors index delta merge to fail. This defect requires a script called patch-pre-4.7.2.pl to be run as part of the revision.		revision_maker/applsw/patch-pre-4.7.2-4.pl	SFX-5297	90259, 91481

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	Utilities - Other	The Centralized Management of Maintenance Task tool has been improved to provide a clear error message if a task could not be started because a Solr index build was running.		admin/aztools/solr_index_builder.pl	SFX-5387	
Defect	Utilities - Server Admin Util	Fixed the problem starting the Server Admin Utility if the MySQL database is down. This defect requires a script called <code>patch-pre-4.7.2.pl</code> to be run as part of the revision.		revision_maker/applysw/patch-pre-4.7.2-1.pl	SFX-5401	
Defect	General - Other	Improved the method of retrieving object portfolio data to prevent a potential MySQL overload when clicking the Send To Ex Libris link in KBManager (for targets with a very large amount of portfolios).		sfxadmin/crm_si_creation.cgi lib/DBLayer/ObjectPortfolio.pm	SFX-5486	
Defect	Security - Apache	Disabled the Apache HTTP TRACE Method, to prevent Trace Method Support Cross-Site Tracing Vulnerability in the Apache web server. This defect requires a script called <code>patch-pre-4.7.2.3.pl</code> to be run as part of the revision to disable the Trace method in the <code>httpd.conf</code> file of the reverse proxy and <code>sfxglb41</code> instance. Note that the reverse proxy and the global instance's apache servers are restarted automatically as part of the revision update in order for the new settings to take effect.		proxy/conf/httpd.conf config/httpd.conf revision_maker/applysw/patch-pre-4.7.2-3.pl	SFX-5337	104465

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	security - Scripting (XSS.script)	Fixed the problem with XSS vulnerabilities in the SFX Admin > KB Manager module. This was fixed by displaying the <code>xss violation occurred</code> message when a vulnerability is found in URL parameters. The mechanism uses same configuration file as SFX Menu and AZ (<code>config/XSSlist.config</code> file).		sfxadmin/sfxctrl.cgi	SFX-5335	
Defect	security issue - URL redirection	The SFXAdmin > KBManager module has been changed to prevent URL redirection attacks.		sfxadmin/sfxctrl.cgi	SFX-5336	
Defect	SFX Menu - Resolver	The SFX module Engine.pm has been changed to allow proxy programs to fetch values from the <code>parse_param</code> fields and CTXO. This allows customers to create local proxy modules and use information from the ContextObject, such as parse param information, notes, etc.		lib/SFXResolver/Engine.pm	SFX-5357	

Changed KB Software

Type of Change	Component	Description	Solution	File List
Correction	TargetParser	Special handling of page ranges in article level links in Ovid Journals.	The OVID::Journals target parser has been updated to handle the full page range of an article link correctly.	lib/Parsers/TargetParser/OVID/Journals.pm
Correction	Source Parsers	Update the PRIMO source parser to parse a URL sent via OpenURL.	The PRIMO source parser has been modified to parse an item's URL sent via OpenURL constructed @ PCI.	lib/Parsers/SourceParser/OpenURL_1_0/primo.pm

New Targets and Target Services

Target Name	Description	Target Service	Linking Level	For More Information
KNOVEL_NONDESTRUCTIVE_TESTING_ACADEMIC	Knovel Engineering Information Solutions - The Complete Academic Collection. Does not include Taylor and Francis content.	getFullTxt	BOOK	For more information: http://www.elsevier.com/online-tools/knovel/about
KNOVEL_CENTER_FOR_CHEMICAL_PROCESS_SAFETY_PREMIUM_ACADEMIC	Knovel Engineering Information Solutions - The Complete Academic Collection. Does not include Taylor and Francis content.	getFullTxt	JOURNAL	For more information: http://www.elsevier.com/online-tools/knovel/about
KNOVEL_COMPOSITES_ACADEMIC	Knovel Engineering Information Solutions - The Complete Academic Collection. Does not include Taylor and Francis content.	getFullTxt	BOOK	For more information: http://www.elsevier.com/online-tools/knovel/about
KNOVEL_MARINE_ENGINEERING_ACADEMIC	Knovel Engineering Information Solutions - The Complete Academic Collection. Does not include Taylor and Francis content.	getFullTxt	JOURNAL	For more information: http://www.elsevier.com/online-tools/knovel/about
KNOVEL_SOFTWARE_ENGINEERING_ACADEMIC	Knovel Engineering Information Solutions - The Complete Academic Collection. Does not include Taylor and Francis content.	getFullTxt	JOURNAL	For more information: http://www.elsevier.com/online-tools/knovel/about
KNOVEL_NONDESTRUCTIVE_TESTING_CORPORATE	Technical and engineering books provided by Knovel.	getFullTxt	JOURNAL	For more information: http://why.knovel.com/
KNOVEL_CENTER_FOR_CHEMICAL_PROCESS_SAFETY_PREMIUM_CORPORATE	Technical and engineering books provided by Knovel.	getFullTxt	JOURNAL	For more information: http://why.knovel.com/
KNOVEL_COMPOSITES_CORPORATE	Technical and engineering books provided by Knovel.	getFullTxt	BOOK	For more information: http://why.knovel.com/
KNOVEL_MARINE_ENGINEERING_CORPORATE	Technical and engineering books provided by Knovel.	getFullTxt	BOOK	For more information: http://why.knovel.com/
KNOVEL_SOFTWARE_ENGINEERING_CORPORATE	Technical and engineering books provided by Knovel.	getFullTxt	JOURNAL	For more information: http://why.knovel.com/
VERLAG_C_H_BECK	Verlag C.H. Beck is part of Gruppe-Beck, a German publisher of laws, regulations, law journals, and books.	getFullTxt	JOURNAL	For more information: http://elibrary.chbeck.de/index.php

Target Name	Description	Target Service	Linking Level	For More Information
SAGE_PREMIER_2015	SAGE Premier includes international peer-reviewed titles, including research journals from over 245 scholarly societies, covering a range of subject areas, including business and humanities.	getFullTxt	ARTICLE	For more information: http://www.sagepub.com/librarians/premier.sp
JSTOR_UNLIMITED_USAGE_BOOK_TITLES	Multidisciplinary collection of ebooks on the JSTOR platform.	getFullTxt	BOOK	For more information: http://books.jstor.org/

Implementation Instructions

Elsevier ScienceDirect Automated Download & KB Loader

Elsevier now provides a new mechanism to allow institutions to update automatically their entitlements within the ScienceDirect, ebooks, and ejournals offerings. In SFX version 4.7.2 the option to use this automation to SFX has been added. To allow you to use this feature, a new option has been added to the SFX ServerAdmin Utility to automatically download the Elsevier ScienceDirect holdings file (in KBART format) and to update the Science Direct title lists in the SFX KnowledgeBase (activate and load local coverage). In addition, two new dedicated targets have been added to the SFX KB to work with the automated load option.

Note: The Elsevier customer ID that you need to activate this service is not yet available from Elsevier; therefore, you cannot activate this service yet. We will provide more information on how to obtain the customer ID when it becomes available.

The following is the workflow of the automated process:

1. The Elsevier ScienceDirect customer holdings file is downloaded in KBART format, using the customer specific credentials stored in the Elsevier configuration file.
2. The file is split into a monograph and serial file based on the `publication_type` (serial or monograph) and stored locally as two separate files in the SFX scratch directory.

Note: If the `publication_type` column contains no value, the record is skipped.

3. If either the default or if only one institute or group is specified in the program:
 - a) Dataloader runs for the downloaded and split files to activate and add local thresholds to the following dedicated Elsevier ScienceDirect targets:
 - ELSEVIER_SCIENCE_DIRECT_AUTOLOAD_JOURNALS
 - ELSEVIER_SCIENCE_DIRECT_AUTOLOAD_BOOKS
 - b) Portfolios not included in the load file are deactivated.
4. A report is produced with the following information:
 - information concerning any problems that may have occurred during the download or deactivation step
 - the location of the dataloader report files

Scheduling the Automated Process

The recommended schedule for this autoloader process is monthly. You can schedule the process via the Server Admin utility. You can also use the Centralized Management of Maintenance Tasks for multi-instance SFX environments via the Job Manager to manage the scheduling of this process. A new option has been added to this tool to accommodate the autoloader process.

Configuring the Automated Localization of the Elsevier Science Direct Targets

1. Request an institutional token from Elsevier and place it in the following configuration file together with the email address of the SFX administrator:

```
config/elsevier_sd_autoloader.config_
```

2. In KBManager, activate the following two dedicated targets and their getFullTxt target services:
 - In KBManager, activate the following two dedicated targets and their getFullTxt target services:
ELSEVIER_SCIENCE_DIRECT_AUTOLOAD_JOURNALS
 - ELSEVIER_SCIENCE_DIRECT_AUTOLOAD_BOOKS
3. If manually activated Elsevier targets are currently in use in the SFX KB, activate the following display logic rule:
If available: ELSEVIER_SCIENCE_DIRECT_AUTOLOAD getFullTxt
Do not show: ELSEVIER_SD getFullTxt
This rule prevents duplicate Elsevier ScienceDirect targets from being displayed in the SFX menu during the transition period.
4. Run the Elsevier autoload option from ServerAdmin Utility (from the Main menu select **8 Import/Exports** and then **4 Elsevier ScienceDirect Autoloader**) and set up a scheduled task to run the autoload option once a month, either per local instance or via the Centralized Management of Maintenance Tasks option.
5. If manually activated Elsevier targets are currently in use in the SFX KB:
 - a Use the Collection tool (**SFXAdmin > KBTools > Collection tool**) to compare the activation and thresholds between the new autoload targets and previously manually activated targets. This allows you to check that all activations are now in place in the new dedicated Elsevier ScienceDirect targets.
 - b Deactivate the old, manually activated targets and portfolios

Configurations for Consortia

The program can be configured to work with multiple holdings files per instance (one per institute), each with separate credentials. Run the program separately for each institute.

For consortia API customers, perform all Elsevier ScienceDirect target activations in the local instance, to allow you to use the autoloader.

The Elsevier file contains all holdings per institution, regardless of whether the books or journals are purchased by the consortium or locally.