

# ExLibris

## SFX

### Release Notes

20144900 with SP 4.7.1

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### Highlights

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Support for MySQL 5.6 and enhancement for the author index to use InnoDB instead of SPHINX software

Upgrade to Apache 2.2.29 and OpenSSL 0.9.8zc

New script to run the MARCIt! enhancement process via command line



## Applying the Revision

The following packages are released:

sfx-kbsw-update-20144900.run

sfx-kbdb-update-20144900.run

sfx-sw-update-4.7.1.run

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

# Highlights and Enhancements

Service Pack 4.7.1 contains:

## **Support for MySQL 5.6 and enhancement for the author index to use InnoDB instead of SPHINX software.**

Note that this service pack does not yet include the upgrade to MySQL 5.6. This upgrade will be provided as a separate service pack beginning of January. The MySQL 5.6 upgrade will be available for the following operating systems: RedHat 5 and 6, and Solaris 10 and 11. The upgrade is obligatory for all locally hosted SFX installations with the mentioned operating systems. We will continue to support older operating systems with the old mysql version; however, for security reasons, we recommend upgrading old operating systems or moving to our cloud services, if this is not possible.

For your information, these we support the following system combinations for local installations:

MySQL 5.6 - RedHat 5 and 6, and Solaris 10 and 11

MySQL 5.1.66 (64 bit) and MySQL 5.1.45 (32 bit) - Redhat 4 and Solaris 9

## **Upgrade to Apache 2.2.29 and OpenSSL 0.9.8zc**

## **New script to run the MARCIt! enhancement process via command line.**

The script can also be scheduled (via cron) to run at specific times. In the next service pack, this script will be available via the Server Admin Utility, both for scheduling and running MARCIt! on the fly. In order to run the script, a valid profile must first be created via the **SFXAdmin > Additional KBTools > MARCIt! Tool** section.

# Changed KB Software

Type of Change	Component	Description	Solution	File List
Correction	TargetParser	New exception for Ebsco - ignore spage	The ebsco_am.pm target parser has been updated to omit page information from a target URL if the start page at Ebsco's end does not corresponde with a page number sent by an indexing database.	lib/Parsers/TargetParser/EBSCO_HOST/ebsco_am.pm
Correction	TargetParser	Update DOI values allowed for Springer journals and encode DOI values with special characters.	The Springer::SPRINGER target parser has been updated to correctly handle article level links containing complex DOI values with various special characters, such as parentheses, semicolon, etc.	lib/Parsers/TargetParser/Springer/SPRINGER.p m

# Changed Programs – SFX Software

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Enhancement	General - Other	<p>Support for MySQL 5.6 and enhancement for the author index to use InnoDB instead of SPHINX software.</p> <p>Note that this Service Pack does not yet include the upgrade to MySQL 5.6. This upgrade will be provided as a separate Service Pack beginning of January. The MySQL 5.6 upgrade will be available for the following operating systems: RedHat 5 and 6, and Solaris 10 and 11. The upgrade is obligatory for all locally hosted SFX installations with the mentioned operating systems. We will continue to support older operating systems with the old mysql version; however, for security reasons, we recommend upgrading old operating systems or to move to our cloud services if this is not possible.</p> <p>For your information, these are the system combinations we support for local installations:            MySQL 5.6 - RedHat 5 and 6, and Solaris 10 and 11            MySQL 5.1.66 (64 bit) and MySQL 5.1.45 (32 bit) - Redhat 4 and Solaris 9</p>		dbs/sqltab/KB_AUTHORS_FT_INDEX.dr p dbs/sqltab/KB_AUTHORS_FT_INDEX.id x dbs/sqltab/KB_AUTHORS_FT_INDEX.id x_drp dbs/sqltab/KB_AUTHORS_FT_INDEX.ta b lib/DBLayer/AuthorsFTIndex.pm lib/DBLayer/Authors.pm lib/DBLayer/CONTROL.pm lib/DBLayer/Institute.pm lib/DBLayer/Base/DBEngine_Interface.p m lib/DBLayer/Base/Table.pm lib/Generic/AuthorInput.pm admin/database/table_maintenance.pl lib/DBLayer/Base/Database.pm  revision_maker/applysw/patch-pre-4.7.1- 2.pl		SFX-5241
Enhancement	General - Other	Upgrade to Apache 2.2.29 and OpenSSL 0.9.8zc.				SFX-5400

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Enhancement	Back Office - MARCIt!	New script to run the MARCIt! enhancement process via a command line. The script can also be scheduled (via cron) to run at specific times. In the next Service Pack, this script will be available via the Server Admin Utility, both for scheduling and running MARCIt! on the fly. In order to run the script, a valid profile must first be created via the <b>SFXAdmin &gt; Additional KBTools &gt; MARCIt! Tool</b> section.	MARCIt! User's Guide	admin/kbtools/marc_enhancement.pl		SFX-5330
Enhancement	SFX Menu	The CrossRef API requests have been enhanced to include journal title. This also deals with issue with DOIs not being returned by CrossRef API in some cases.		lib/MetaData/FetchDOI.pm lib/ContextObject/Generic.pm	25135	SFX-5162
Enhancement	Statistics	Statistics enhancements: o A new command line option --leaveDays=XX has been added to the archive statistics option. It allows you to not archive the last XX days of statistics o The names of the archive file names have been changed to include from/to dates to make it easier to identify the date range of the archived content.	SFX System Administration Guide	admin/stats/offline2file.pl		SFX-5311
Defect	AZ List - HTML Templates	When the default language has been changed in the A-Z eBook mobile interface, the resulting SFX Menu did not inherit the changed language setting. This problem has been fixed.	Implementation Instructions	templates/azlist_ver3/az_mobile.tpl	70974	SFX-5113
Defect	Back Office - A-Z List configuration	There is a problem changing configuration for the "Hide switch views" option in <b>SFX Admin &gt; AZ list configuration</b> . Configuration changes were not saved. This problem has been fixed.		sfxadmin/a-z_setup.cgi	93290	SFX-5321

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	Back Office - A-Z List configuration	The problem with the AZ list Quick Journal Search box when the A-Z list is configured to display Chinese/Pinyin headers has been resolved.	SFX General User's Guide	templates/js/admin_tools/a-z_ver3_setup.js templates/sfxctrl/a-z_ver3_setup/embedded_search_generator.templ templates/sfxctrl/a-z_ver3_setup/embedded_search_generator.js.templ		SFX-5285
Defect	Back Office - KBManager	In KBManager, the default value for the linking level has been changed from JOURNAL to INHERIT in the Add New Object Portfolio window. The INHERIT setting uses the linking level defined for the target service.		sfxadmin/portfolio.cgi		SFX-5262
Defect	Back Office - KBManager	Threshold validation fails in KBManager for thresholds combining IP range and parsedDate threshold statements in the Add/Edit Target/Target Service/Object Portfolio windows. The validation has been fixed.		lib/Generic/ThresholdSetFactory.pm	90606	SFX-5313
Defect	Citation Linker	Citation Linker interface allows searching by DOI and PMID identifiers. These identifiers are article level identifiers, which means they have date information returned by the corresponding DOI/PMID API service. However, CitationLinker still includes the sfx.ignore_date_threshold=1 parameter in the OpenURL, which causes incorrect services to be displayed in SFX Menu. This problem has been fixed.		lib/Parsers/SourceParser/OpenURL_1_0/citation.pm	84753, 85701, 86241, 87336, 87827, 89626, 87346	SFX-5238

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	General - Other	The Proxy Apache error page includes a link to a deprecated page at <a href="http://www.sfxit.com">http://www.sfxit.com</a> . The link has been changed to point to the SFX overview page on the Ex Libris portal page.		proxy/htdocs/index.html  revision_maker/applysw/patch-pre-4.7.1-1.pl	87166	SFX-5270
Defect	General - Other	The <code>proxy_ssl.config.sample</code> file contains an invalid path. This problem has been fixed.	SFX System Administration Guide	config/proxy_ssl.config.sample		SFX-5298
Defect	General - Other	The <code>change_availability.pl</code> script failes for targets with a hyphen (-) in the target name. This problem has been fixed.		lib/Admin/KBTools/ChangeActivationTree.pm lib/DBLayer/TargetService.pm	88559, 88799	SFX-5254
Defect	General - Other	SSL v3 Security vulnerability update. This SSL 3.0 vulnerability stems from the way blocks of data are encrypted under a specific type of encryption algorithm within the SSL protocol. The POODLE attack takes advantage of the protocol version negotiation feature built into SSL/TLS to force the use of SSL 3.0 and could leverage this new vulnerability to decrypt select content within the SSL session. To solve this problem, <code>proxy_ssl.config.sample</code> and local instance <code>ssl.config.sample</code> files have been updated with the obligatory directive. For customers already using SSL, a script will run automatically to add the obligatory directive to the relevant files: <ul style="list-style-type: none"> <li>• <code>/exlibris/sfx_ver/sfx4_1/proxy/conf/ssl.config</code></li> <li>• <code>/exlibris/sfx_ver/sfx4_1/&lt;instance&gt;/config/ssl.config</code></li> </ul>		config/ssl.config.sample config/proxy_ssl.config.sample  revision_maker/applysw/patch-pre-4.7.1-3.pl revision_maker/applysw/foreachinstance.pl revision_maker/applysw/fix_poodle_for_instances.pl		SFX-5351

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	SFX Menu	The docdel.cgi script which presents the document delivery request form for DOCUMENT_DELIVERY::DDL target parser was enhanced to include the DOI field.		cgi/public/docdel.cgi		SFX-5205
Defect	SFX Menu	Problem with incorrect Source-to-Target mapping file resulted in customers not receiving KB updates for this mapping file. This problem has been fixed by using the correct file.		lib/SFXMenu/Services/Preference/SourceToTarget.pm  revision_maker/applsw/foreachinstance.pl revision_maker/applsw/remove_local_source_to_target_mapping_file.pl revision_maker/applsw/rmlist  □	111708	SFX-5368
Defect	SFX Menu	SFX Menu resulted in a 500 Internal Server Error when the following three conditions were met: * DirectLink on related-close objects' services are allowed * Only services for related-far objects exist in the generated SFX Menu * Multiple services are available in the SFX menu (not single service) This problem has been fixed.		lib/SFXMenu/Base.pm	101126	SFX-5334
Defect	SFX Menu	Fixed problem in the CAPTURE_CITATION target if citation included author last name information. The author information is not presented correctly in Chicago citation style. This has been fixed.		cgi/public/capture_citation.cgi	94902	SFX-5322

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	SFX Menu	If an OpenURL included DOI in addition to source (or sid) information, the source information for the request is set incorrectly. SFX uses the DEFAULT source, causing problems with configuration options such as DirectLink Source Filtering. After this fix, the DOI information included in the OpenURL no longer influences source information of OpenURL requests.		lib/ContextObject/Engine/OpenURL.pm	93505	SFX-5315
Defect	SFX Menu - Target Displayers	There is a problem configuring the z3950 holdings display in the SFX menu getHolding service. The SFX program disregarded the sub-field configuration specified in the z3950_lookup.config file and always displays sub-field a. This problem has been fixed.		lib/MetaData/MARC.pm	98853	SFX-5304
Defect	SFX Menu - Target Displayers	Due to incorrect processing of the z3950 response, text with diacritics is not represented correctly in the Summary Holdings display in the SFX menu. To fix this problem, a new parameter charset has been added in the z3950_lookup.config file in the Display section. The character set of the z39.50 response is by default set to latin1 (when this parameter is blank or does not exist), but other character sets can be defined in the configuration file.	SFX Advanced User's Guide	lib/Parsers/PlugIn/Z3950Lookup.pm lib/NetWrap/Z3950.pm config/z3950_lookup.config  revision_maker/applsw/foreachinstance.pl revision_maker/applsw/4.7.1-add_charset_param_z3950.pl	97019	SFX-5302

# New Targets and Target Services

Target Name	Description	Target Service	Linking Level	For More Information
OXFORD_REFERENCE_PREMIUM_COLLECTION	Oxford Reference's Premium package for institutional customers. Includes all titles in the Quick Reference collection and a selection of in-depth, single-volume works from Reference Library, many of them being Oxford Companions.	getFullTxt	BOOK	<a href="http://www.oxfordreference.com">www.oxfordreference.com</a>

# Implementation Instructions

## **Fix Mobile AZ list problem when changing the default language - the resulting SFX Menu did not inherit the changed language setting.**

If the symbolic link to the sfxglb41 instance is broken before applying the 4.7.1 Service Pack for the file listed below, perform the following instructions to benefit from this fix.

In file: **templates/azlist\_ver3/az\_mobile.tpl**

Find (line 110 in original file):

```
<TMPL_ELSE>  
  <input type=hidden id=lang name=lang value="<TMPL_VAR  
NAME='ui_single_language_code'>">  
</TMPL_IF>
```

Just after it add (create new empty line below above code and paste below lines):

```
<TMPL_IF 'sfx_menu_language_name'>  
  <script language=JavaScript  
type="text/javascript">set_sfx_menu_language("<TMPL_VAR  
NAME='sfx_menu_language_name'>")</script>  
</TMPL_IF>
```