

# ExLibris

## SFX

### Release Notes

20165000

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### Target Name Change

JISC\_COLLECTIONS\_KARGER\_MEDICAL\_AND\_SCIENTIFIC\_FULL\_COLLECTION\_2015 changed to  
JISC\_COLLECTIONS\_KARGER\_MEDICAL\_AND\_SCIENTIFIC\_FULL\_COLLECTION\_2015-2017 – to better match current collection



JISC\_COLLECTIONS\_AMERICAN\_SOCIETY\_OF\_CIVIL\_ENGINEERS\_JOURNALS\_2016 changed to  
JISC\_COLLECTIONS\_AMERICAN\_SOCIETY\_OF\_CIVIL\_ENGINEERS\_JOURNALS\_2016-2017 – to better match current collection

**Targets removed (as announced in the 20164600 revision):**

MORGAN\_AND\_CLAYPOOL\_COMPUTER\_AND\_INFORMATION\_SCIENCE\_COLLECTION –  
content can be found via MORGAN\_AND\_CLAYPOOL\_COMPUTER\_AND\_INFORMATION\_SCIENCE\_COLLECTION\_ONE

## **Applying the Revision**

The following packages are released:

sfx-kbsw-update-20165000.run

sfx-kbdb-update-20165000.run

sfx-sw-update-4.9.2.run

sfx-extra-update-4.9.2.run

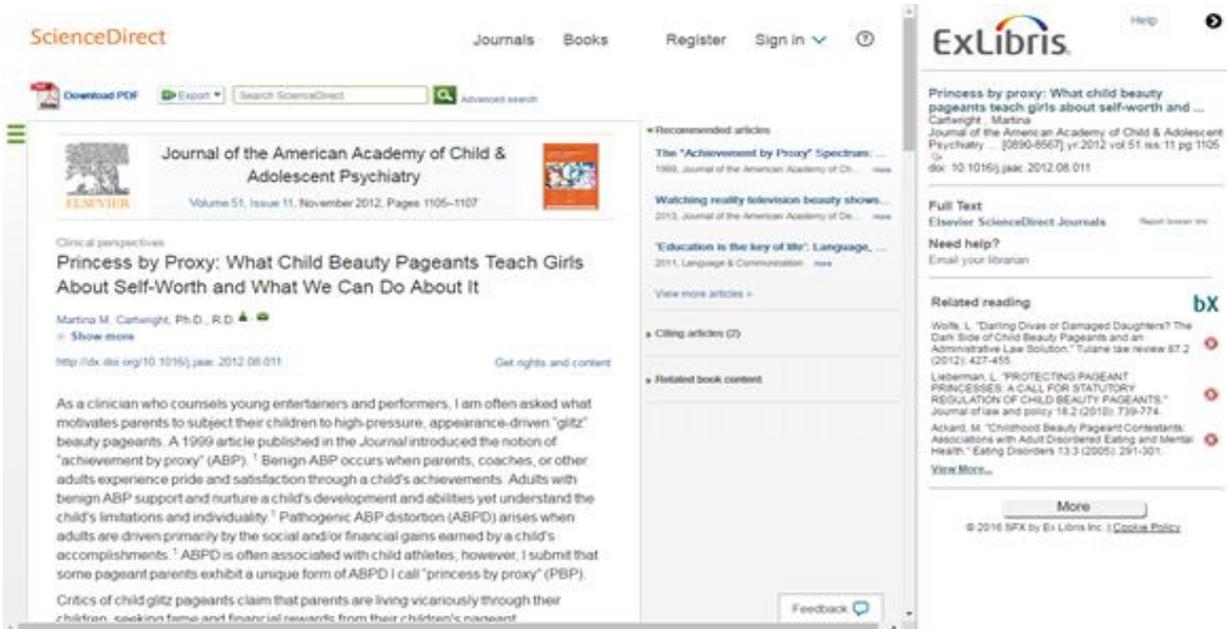
For directions on applying the revision, refer to the **SFX KB Update** section of the *SFX General User's Guide*.

# Highlights

## DirectLink Banner Redesign: New Sidebar

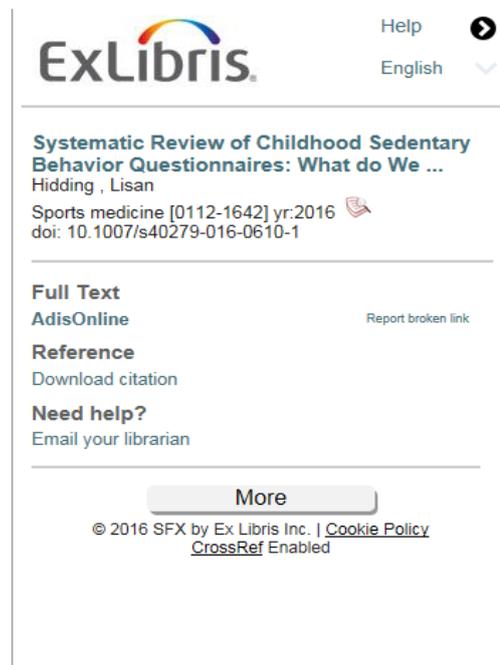
As part of this release, we are introducing a new version of the SFX DirectLink Banner. When enabled, the sidebar will display on the right side of the screen the library logo, a Help or feedback option, and a selection of the most important SFX services. The main portion of the screen will show full text as available at the provider Website.

The sidebar is released as a new UI template (V2), beside the existing DirectLink Banner template (V1). Selecting the new template and configuring the V2 sidebar can be done via a new section at: SFX Admin Center > Menu configuration > Menu Design.



The sidebar also introduces a new option for handling providers that do not allow their content to be displayed inside a frame (such as the DirectLink Banner). For these providers, instead of the full text content, it is now possible to display a link in the main portion of the screen that displays the full text in a new window. This new display option can be selected for the DirectLink sidebar only from SFXAdmin > Menu configuration >

Click this link to open the selected resource in a new window.



### **Add Support for Video, Audio and Score as Object Types in SFX**

The following new object types can be used in SFX: `video`, `audio`, and `score`. Support for these new object types includes the complete SFX flow from Source/OpenURL to SFX menu and target linking, as well as all tools (KBManager, Exports and Imports, and Statistics). The new objects will be treated as monograph type objects and will be included in the eBook Search (unless configured to not appear there in **SFXAdmin > Configuration > eBook Search**).

### **Dataloader Enhancements**

The following changes were made in the SFX DataLoader (via the SFX Admin Center and commandline):

1. Added support in DataLoader to update object portfolios when more than one portfolio exists for same target service and the same object. If SFX detects that multiple portfolios exist for an object and target service, the content of the `parse_param` field (especially `jkey` and `bkey` information), and the `parse_param` information in the load file will be used to identify the correct portfolio to update, activate, and deactivate. This option is available for both KBART and tab delimited TXT files load files and is limited to updating portfolios, but not
2. An option was added to update the object portfolio **Internal Description** field via DataLoader. The **Note** and **Authentication** fields could already be updated via DataLoader. This same functionality has now been added for the **Internal Description** field.

# Changed KB Software

Type of Change	Component	Description	Solution	File List
Correction	TargetParser	Improve DOI linking in Springer::SPRINGER	The Springer::SPRINGER target parser was updated to improve DOI based article level linking.	lib/Parsers/TargetParser/Springer/SPRINGER.pm
Correction	TargetParser	Update the ACJ::ACJ target parser.	The Apache warning message was removed from the ACJ::ACJ target parser.	lib/Parsers/TargetParser/ACJ/ACJ.pm
New	TargetParser	Create a new SAGE::Journals target parser.	A new SAGE::Journals target parser was created to support the new Sage platform.	lib/Parsers/TargetParser/SAGE/Journals.s.pm
Correction	Configuration File	Update DOI allowed configuration.	The DOI allowed configuration file was updated to support DOI linking for the new Sage platform.	config/doi_allowed_prefixes_for_linking.config_

# New Targets and Target Services

Target Name	Description	Target Service	Linking Level	For More Information
JISC_COLLECTIONS_JSTOR_ARTS_AND_SCIENCES_XV_COLLECTION_2016-2017	JSTOR Publishing Group package for JISC Consortium. Collection code: 1680. Data provided by KB+.	getFullTxt	ARTICLE	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a>
JISC_COLLECTIONS_JSTOR_MUSIC_LEGACY_COLLECTION_2016-2017	JSTOR Publishing Group package for JISC Consortium. Collection code: 1678. Data provided by KB+.	getFullTxt	ARTICLE	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a>
SHEDL_WILEY_FULL_COLLECTION_2015-2017	Wiley package for SHEDL Consortium. Collection code: 1724. Data provided by KB+.	getFullTxt	JOURNAL	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a>
JISC_COLLECTIONS_DUKE_UNIVERSITY_PRESS_SCHOLARLY_COLLECTION_2017	Duke University Press Limited UKPressOnline package for JISC Consortium. Collection code: 1764. Data provided by KB+.	getFullTxt	JOURNAL	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a>
JISC_COLLECTIONS_BRITISH_MEDICAL_JOURNAL_JOURNAL_COLLECTION_2017-2018	British Medical Journal package for JISC Consortium. Collection code: 1764. Data provided by KB+.	getFullTxt	ARTICLE	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a>
JISC_COLLECTIONS_BRITISH_MEDICAL_JOURNAL_OPTIONAL_ACCESS_JOURNALS_2017-2018	British Medical Journal package for JISC Consortium. Collection code: 1762. Data provided by KB+.	getFullTxt	ARTICLE	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a>
JISC_COLLECTIONS_EDINBURGH_UNIVERSITY_PRESS_COMPLETE_COLLECTION_2017	Edinburgh University Press package for JISC Consortium. Collection code: 1729. Data provided by KB+.	getFullTxt	ARTICLE DOI	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a>
JISC_COLLECTIONS_CAMBRIDGE_UNIVERSITY_PRESS_SCIENCE_TECHNOLOGY_AND_MEDICINE_2017	Cambridge University Press package for JISC Consortium.	getFullTxt	ARTICLE DOI	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a> Collection code: 1761. Data provided by KB+
JISC_COLLECTIONS_CAMBRIDGE_UNIVERSITY_PRESS_FULL_COLLECTION_2017	Cambridge University Press package for JISC Consortium. Collection code: 1760. Data provided by KB+.	getFullTxt	ARTICLE DOI	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/ab out</a>

Target Name	Description	Target Service	Linking Level	For More Information
JISC_COLLECTIONS_CAMBRIDGE_UNIVERSITY_PRE SS_HUMANITIES_AND_SOCIAL_SCIENCES_2017	Cambridge University Press package for JISC Consortium.	getFullTxt	ARTICLE_ DOI	For more information: <a href="https://www.kbplus.ac.uk/kbplus/about">https://www.kbplus.ac.uk/kbplus/about</a> Collection code: 1770. Data provided by KB+

# Changed Programs – SFX Software

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Task	Utilities - Revision Update	Upgrade to OpenSSL 1.0.2. This change is automatically applied on the SFX server as part of the revision update without server downtime.		revision_maker/applyextra/extra.conf	<a href="#">SFX-6395</a>	
Task	Utilities - Revision Update	Upgrade to MariaDB 10.0.27 to solve a security vulnerability. This change is automatically applied on the SFX server as part of the revision update without server downtime. Because the upgrade includes security patches, it is recommended to follow the implementation instructions included in the SP 4.9.2 release notes.	Implementation Instructions	revision_maker/applyextra/extra.conf	<a href="#">SFX-6435</a>	
Enhancement	BO KB Tools - Data Loader	Add an option to update the object portfolio Internal Description field via DataLoader.	<i>SFX General User's Guide</i>	admin/kbtools/dataloader.pl lib/Admin/Tool/DataLoader.pm lib/DBLayer/ObjectPortfolio.pm admin/kbtools/dataloader.t	<a href="#">SFX-6139</a>	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Enhancement	Core - SFX Menu	Add support for video, audio, and score as object types in SFX.	<i>SFX General User's Guide</i>	dbs/sqltab/KB_OBJECTS.tab dbs/sqltab/KB_OBJECTS_REPORT.tab config/ctx_attribute.config_ lib/Admin/Object.pm lib/Admin/Object.t lib/ContextObject/Engine/ObjectMatch.pm lib/DBLayer/Objects.pm lib/DBLayer/RapidServiceIndicatorSerial.p m sfxadmin/a-z_setup.cgi lib/MetaData/Validator/Object.t lib/MetaData/OpenURL_KB_Converter.pm lib/SFXMenu/Output/HTML.pm admin/kbtools/export.pl lib/DBLayer/TargetService.pm lib/Admin/Tool/Kbart.pm lib/SFXMenu/COinS.pm templates/generator/Book.tmpl templates/generator/Bookitem.tmpl templates/generator/Bookconference.tmpl templates/generator/Bookproceeding.tmpl templates/generator/Document.tmpl templates/generator/Bookunknown.tmpl templates/generator/Video.tmpl templates/generator/Audio.tmpl templates/generator/Score.tmpl lib/OpenURL/Generator/Video.pm lib/OpenURL/Generator/Audio.pm lib/OpenURL/Generator/Score.pm lib/Admin/Tool/SFX2Alma.pm admin/diagnostics/get_num_active_ebooks	<a href="#">SFX-6261</a>	
Enhancement	KB Data - KB Data	Add support in DataLoader to update object portfolios when more than one portfolio exists for same target service and the same object.	<i>SFX General User's Guide</i>	lib/DBLayer/ObjectPortfolio.pm lib/Admin/Tool/DataLoader.pm lib/Admin/Tool/Kbart.pm admin/kbtools/dataloader.t	<a href="#">SFX-5702</a>	<a href="#">142733</a>

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Enhancement	Front End - SFX Menu - DirectLink Banner	DirectLink Banner redesign: new sidebar.	<i>SFX General User's Guide</i>	lib/SFXMenu/Base.pm lib/SFXMenu/Output/DirectLinkWithSidebar.pm lib/Parsers/PlugIn/DirectLink.pm templates/direct_link/sidebar.tmpl templates/direct_link/banner.tmpl templates/direct_link/getRecommendation.t mpl templates/js/direct_link/sidebar.js templates/css/direct_link/sidebar.css config/ctx_output.config_ lib/Parsers/TargetDisplayer/bX/bXRecomm endations.pm lib/Parsers/TargetDisplayer.pm lib/DBLayer/Objects.pm templates/img/direct_link/bx_logo.png templates/img/direct_link/chevron-sign- left.png templates/img/direct_link/chevron-sign- right.png templates/img/direct_link/close.png templates/img/direct_link/peer_reviewed_ic on.png templates/img/direct_link/down_arrow.png templates/img/direct_link/banner/default/sid ebar_regular_image.jpg templates/img/direct_link/banner/default/ve rtical/sidebar_vertical_image.jpg templates/targets/feedback/feedback.tmpl templates/css/targets/feedback/feedback.c ss	<a href="#">SFX-6285</a>	
Defect	Back Office - Contribution	Fix problem with contribution message missing object information. If the contribution is rejected, the email message is missing important information to identify the object: title, issn/isbn, object_id.		DCS/lib/DCS/Engine/Contribution.pm	<a href="#">SFX-6182</a>	<a href="#">197682</a>

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	General - Other	Fix HTTP Proxy Vulnerability - CVE-2016-5387.		revision_maker/applsw/fix_http_roxy_vulnerability_CVE_2016_5387.pl revision_maker/applsw/patch-pre-4.9.2-4.pl revision_maker/applsw/foreachinstance.pl	<a href="#">SFX-6360</a>	
Defect	SFX Menu - SFX Multi object menu	Remove the deprecated multi_object.config_file.		revision_maker/applsw/rmlist	<a href="#">SFX-6088</a>	
Defect	Back Office - KBManager	Add validation for parsedDate thresholds to prevent thresholds where volume or issue is '0'.		lib/MetaData/Validator/Threshold.pm templates/sfxctrl/threshold/compose.htm templates/sfxctrl/threshold/compose_light.htm templates/js/admin/threshold/composer.js lib/MetaData/Validator/Threshold.t	<a href="#">SFX-6275</a>	
Defect	Back Office - KBManager	Remove groups from the drop-down list in the add/edit proxy window, since SFX does not support proxy configurations per group.		sfxadmin/custom.cgi templates/sfxctrl/custom/proxy_add_edit.tpl	<a href="#">SFX-6290</a>	
Defect	Back Office - KBManager	Change KBManager Add/Edit object ISBN validation to not allow ISBNs to be added for the same object with a different sub-type but with the same value.		sfxadmin/search_objects.cgi	<a href="#">SFX-6148</a>	
Defect	Back Office - KBManager	Fix the problem with the list of object types not being displayed in alphabetical order in the KBManager > Object section.		templates/js/admin/object/search_condition_control.js sfxadmin/search_objects.cgi lib/Admin/Object.pm	<a href="#">SFX-6473</a>	
Defect	Back Office - KBManager, Back Office - SFXAdmin - General, Front	Fix the problem when adding or editing institute specific activation of book targets, resulting in missing targets in the eBook Search.		sfxadmin/institute_edit.cgi lib/DBLayer/TargetService.pm	<a href="#">SFX-6271</a>	<a href="#">196934</a>

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	Back Office - MARCIt!	Fix the problem displaying MarcIt reports in some cases for Firefox browsers.		templates/sfxctrl/marc_enhancement/me_report_list.tmpl	<a href="#">SFX-3189</a>	<a href="#">11987_16935</a>
Defect	Back Office - MARCIt!	Options irrelevant for MarcIt export removed from Add/Edit MarcIt profile screens.		templates/sfxctrl/profile/add_edit.tmpl	<a href="#">SFX-6382</a>	<a href="#">237259</a>
Defect	Back Office - Other	In the Google Scholar registration form, the question "Is your SFX server protected by a Firewall?" was removed, because it is not necessary and caused confusion when registering for Google Scholar.		templates/registration/confirm_cancel_registration.html templates/registration/registration.html	<a href="#">SFX-6385</a>	<a href="#">235296</a>
Defect	BO KB Tools - Data Loader	The overwrite option to update title information in Dataloader > Update Object did not work due to a missing default title type. To solve this problem, Main was added as the default title type.		lib/Admin/Object.pm admin/kbtools/dataloader.t	<a href="#">SFX-6218</a>	
Defect	BO KB Tools - Data Loader	Fix the problem with DataLoader not returning an error message when loading a KBART files with an error in the date_first_issue_online field. If this field contains an incorrect date statement, an error message is now reported in the log file, an error message is added to the report and the portfolio is updated without the parsedDate threshold information.		lib/Admin/Tool/Kbart.pm	<a href="#">SFX-6375</a>	
Defect	BO KB Tools - Data Loader	Fix the problem with DataLoader not handling the loading of author information with a comma (,). This is caused by commas being used as the delimiter between the first and last names of author names.		lib/MetaData/Validator/Author.pm	<a href="#">SFX-6126</a>	
Defect	Front End - Citation Linker	Fix the CitationLinker display problem that causes the input fields to be hidden behind the soft keyboard on small mobile devices. In addition, the footer of the page with the search and clear buttons is no longer fixed. This enables more information to be displayed on small devices.		templates/css/public/mobile/style.css	<a href="#">SFX-6201</a>	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	SFX Menu - Source Parsers	Fix the problem with the source parser fetch not working when proxy is configured and using HTTPS.		lib/NetWrap/HTTP.pm	<a href="#">SFX-6462</a>	<a href="#">359733</a>
Defect	SFX Menu - Source Parsers	Change Pubmed source fetching to use HTTPS instead of HTTP - as per the new NCBI Pubmed server requirements.		lib/NetWrap/HTTP.pm config/identifiers/OpenURL_0_1/pmid.config_ config/identifiers/OpenURL_1_0/pmid.config_ config/source/OpenURL_0_1/pmid.config_ config/source/OpenURL_1_0/pmid.config_	<a href="#">SFX-6399</a>	<a href="#">339892_359733</a>
Defect	SFX Menu - Targets	A condition was added to the email validation process for the feedback service. The condition checks if the 'mail_to' value is not the default one 'your@email_address.here'.		cgi/public/feedback.cgi	<a href="#">SFX-6407</a>	
Defect	SFX Menu - Targets	Fix the problem with Elsevier ELSEVIER_SCIENCE_DIRECT targets threshold statements including superfluous spaces in case of multiple parentheses. These spaces affected the display in the SFX menu availability statement. To fix this issue, superfluous spaces were removed.		lib/Threshold/Composer.pm	<a href="#">SFX-6376</a>	<a href="#">218904</a>
Defect	Utilities - Database	Changed script to merge SPHINX authors in Perl. Run_Sphinx_Authors_Merge.csh script was rewritten in Perl to allow it to be scheduled via the regular crontab interface.		admin/database/run_sphinx_authors_merge.pl	<a href="#">SFX-6441</a>	<a href="#">340133</a>
Defect	Utilities - Database	Include script to remove redundant permissions to address MySQL vulnerability. The script checks and revokes if exist permissions FILE and SUPER from sfxglb41@localhost default SFX MySQL user. It also suggests via a log file whether there are other users that have these permissions (for sfxglb41 user).		admin/database/revoke_redundant_permissions.pl	<a href="#">SFX-6431</a>	

Type of Change	Component	Description	Related Documentation	File List	Defect Number	SI Number
Defect	Utilities - Revision Update	Fixed typo which caused a warning when applying the revision 20163700.		lib/DBLayer/ObjectIdentifiers.pm	<a href="#">SFX-6406</a>	<a href="#">339800.</a> <a href="#">339959.</a> <a href="#">340259.</a> <a href="#">341275.</a> <a href="#">342332.</a> <a href="#">342898.</a> <a href="#">342902.</a> <a href="#">345711</a>

# Implementation Instructions

## Upgrade to MariaDB 10.0.27 to Solve a Security Vulnerability

For customers upgraded to MariaDB, it is necessary to restart the SFX database to start using the new MariaDB version. Instructions for restarting the SFX database can be found in the *SFX Administration Guide: Server Admin Utility > Start/Stop Services*.

Customers still using MySQL (not yet upgraded to MariaDB) should follow the steps below:

1. Connect to SFX server as the sfxglb41 user.
2. Execute the following script:

```
/exlibris/sfx_ver/sfx4_1/sfxglb41/admin/database/revoke_redundant_permissions.pl
```

This script removes SUPER and FILE permissions from the sfxglb41@localhost user and indicates if there are other database users who have these privileges.

3. To ensure the SPHINX index remains operational, perform the following:
  - a) As the sfxglb41 user, enter `crontab -e`, and add the following line to the sfxglb41 crontab file:

```
<time/date schedule> tcsh -c "source ~sfxglb41/.cshrc;perl ~sfxglb41/./admin/database/run_sphinx_authors_merge.pl"
```

where `<time/date schedule>` should be replaced with date and time the task should be run. The recommended schedule is daily, either at a time of low usage or during the maintenance window of the server.

For example, the following command runs the task daily at 5:15 in the morning:

```
15 5 * * * tcsh -c "source ~sfxglb41/.cshrc;perl ~sfxglb41/./admin/database/run_sphinx_authors_merge.pl"
```

(For more information on cron jobs, including the structure of the scheduling time/date definition, see <http://en.wikipedia.org/wiki/Cron>.)

- b) Save and close the crontab file.
4. Connect to MySQL as the root user and remove the deprecated trigger for the SPHINX index:

- a) Enter the following command:

```
mysql -p<root_pwd> -uroot
```

- b) Enter the following command:

```
DELETE FROM mysql.event WHERE db = 'mysql' AND name = 'Run_Sphinx_Authors_Merge';
```