



Saperion Version 7.5 Service Pack 5 Patch Level Update

Copyright © 2016 Lexmark. All rights reserved.

Lexmark is a trademark of Lexmark International, Inc., registered in the U.S. and/or other countries. All other trademarks are the property of their respective owners. No part of this publication may be reproduced, stored, or transmitted in any form without the prior written permission of Lexmark.

Saperion Version 7.5 Service Pack 5 Patch Level Update

1 Introduction

This document lists all bug fixes included in the Patch Level for the Service Pack 5 release for Saperion v. 7.5. Bugs are listed by Patch Level number, then by product area and finally by bug number.

Refer to the documentation and the Best Practice guides in the Saperion documentation portal for more details regarding each feature. In addition, refer to the current technical specifications at the following URL for useful information regarding the system.

http://portal.saperion.com/docxml/downloads/Saperion_Technical_Specifications_75SP5.pdf

2 Important Notes Regarding Patch Level Installations

2.1 Saperion ECM

Before adding/copying the *scr-businessruleserver, scr-classicconnector, scr-fileplanconverter und scr-javacoreserver* LIB directories from the patch level, the existing LIB directories must be deleted. (Be careful with custom JARs when deleting LIB directories). You must also copy the Java Core Server startup files or merge any changes from customized startup files (start_java_core_server.bat and start_java_core_server_debug.bat <Install path> scr\scr-javacoreserver\scripts\windows directory).

2.2 Saperion Integration Server

Beginning with Saperion version 7.5.2 Patch Level 1, the Saperion Integration Server requires a manual update in order to work with Saperion patch-level versions.

Before updating, make sure the Integration Server is shut down. To perform the update, replace the following Classic Connector program files in the Integration Server library path.

- + authentication-core-7.5.5.jar
- + authentication-keys-7.5.5.jar
- + authentication-otp-7.5.5.jar
- + render-engines-core-2.0.1.jar
- + sacache-2.1.0.jar
- + saperion-common-lang-1.2.0.jar

- + scr-classicconnector-7.5.5.jar
- + scr-common-7.5.5.jar
- + scr-connector-7.5.5.jar

The Integration Server library path is:

- + [drive:]\{integration_server_install_path}\jboss\standalone\deployments\sis-server-ear.ear\lib

The Classic Connector program files are contained in the current patch-level distribution.

- + {saperion_7.5.5_patchlevel}\scr\scr-classicconnector\lib

i After the patch is installed, make sure that no duplicate JAR names with different versions exist. If duplicates exist, delete the JAR with the old version in favor of the new one.

3 Patch Level (r92772) - March 10, 2016

3.1 Supported Java version

The current patch level includes basic testing with Java version 8 update 73.

For the Java version with which Saperion 7.5 SP5 was tested for full compatibility, refer to the corresponding technical specifications.

3.2 RICH CLIENT

3.2.1 DE48481: Full text search didn't work correctly when text field had UTF8 characters

In a full text search, when a text field contained UTF8-characters, the wrong words were selected, especially if the field had been edited. When the field contained ANSI characters, both search and selection worked as expected.

3.2.2 DE51479: Documents were no longer displayed in the inbox after they were re-ordered

When documents were imported or scanned into the inbox, and the document order was changed, no documents were displayed in the inbox.

3.3 WEB CLIENT

3.3.1 DE40066: Thumbnails were not generated and update eventually failed

When a document with a thumbnail field in the DDC was archived or updated, the corresponding thumbnails were not generated. There was no error message, but when the document was later updated, the update failed with an exception.

3.3.2 DE50922: Non-Unicode text retrieval led to error message

Using a non-Unicode text retrieval field in a query form resulted in an error message ("No handler found for text retrieval fields").

3.3.3 DE51240: Login dialog window was shown when SSO in portal.zul was used

Under certain circumstances, the login dialog window was shown when single sign-on was used and the user refreshed a browser tab using portal.zul.

3.4 CORE SERVER

3.4.1 DE51368: New default value for "rmi.query.maxresults" parameter

When a query returns a very large result, the Java Core Server can run out of memory. To prevent this, the "rmi.query.maxresults" parameter can be set in the saperion.properties file for the Java Core server, in [drive:]{path}Saperion\scr\scr-javacoreserver\config.

If the number of results exceeds the defined value, the query fails with an error. The default value is 10,000 results.

Example

```
rmi.query.maxresults = 10000
```

3.4.2 DE51482: Multi-values were not loaded from table as expected

When multi-value columns had a SYSINDEXSTATE set to 1 or 2, and LoadMultiValueFromTable was set to TRUE, values were not loaded from the table as expected. Instead, they were loaded from the archive.

3.5 WEB SERVICES

3.5.1 DE51501: Wrong credentials led to lock-out of other users

When the wrong credentials were used to log in to the Web Services, the service would retry the login with those credentials every two minutes, leading to the lock-out of users synchronized with the Active Directory.

4 Patch Level (r92465) - February 17, 2016

4.1 Supported Java version

The current patch level includes basic testing with Java version 8 update 71.

For the Java version with which Saperion 7.5 SP5 was tested for full compatibility, refer to the corresponding technical specifications.

4.2 RICH CLIENT

4.2.1 DE39241: Only the first image from a results list could be saved to a specific format

After saving an image file from the results list to a specific file format, it was not possible to save following image files in other file formats.

4.2.2 DE40096: References didn't work for document from different folder DDCs

When a document was filed into a folder from different folder DDCs (XNMain and eFiles DDCs), the reference didn't work correctly anymore. The folders of the eFiles DDC, in which the document was filed, were shown correctly, but any possible actions resulted in error messages.

4.2.3 DE40099: Only first page of multi-page TIFF was shown

When parts of a multi-page TIFF file were archived, only the first page was shown, and the file couldn't be saved.

4.2.4 DE41740/US77305: Scaling not consistent for "Show Full Page"

When "Show Full Page" was used in an embedded viewer, the scaling differed, depending on the document resolution and format.

4.2.5 DE45818: Scaling option could not be set for embedded viewer

In certain circumstances, it was not possible to set the scaling option for an embedded viewer in a query form.

4.2.6 DE46759: "Save window position" did not work for non-embedded forms

The "Save window position" feature did not work for non-embedded forms. When the form was opened again, it was not at the saved position.

4.2.7 DE47326: Annotation text not wrapped in Rich Client

When a long text was added as an annotation in the Web Client, the text was not automatically wrapped when displayed in the Rich Client.

4.2.8 DE47354: Empty form tab remained after closing all forms

When several forms were open at the same time, and the "Close others" command was used on one, and then "Close" was used for that remaining form, the tab for the form remained, but the form was empty.

4.2.9 DE47515: Error message when archived documents were pulled into new document

When pages were pulled from documents that had already been archived into the document tray to create a new document, after the fourth page, an error message appeared, saying that the function was not supported. This happened whether image or application files were used, and whether or not the pages were pulled into a structure inside the document tray.

4.2.10 DE48638: Drag and drop between separate structure windows did not work

When a document was dragged from a structure in one edit window to a structure in a separate edit window, it could not be successfully dropped to the new window.

4.2.11 DE48924: "Document" ribbon not active after scanning

If a query form was open, the document ribbon was not active after scanning, even though the document tray was visible.

4.2.12 DE48979: Form windows stayed at maximum size

When form windows with set size were maximized, they stayed at the expanded size. This has been fixed so that form windows with set sizes cannot be maximized.

4.2.13 DE49149: Annotation caused "Save and Next/Prev Document" button to not work

When an annotation was added to a non-image file formats such as PDF or DOCX, the "Save and Next/Prev Document" button did not work. The next or previous document was not displayed in the viewer.

4.2.14 DE49436: Menu items in "Trays" ribbon not activated correctly

Certain menu items in the "Trays" ribbon, such as Mail and Add page, were not activated correctly.

4.2.15 DE49707: "Save and..." option active when it shouldn't have been

The "Save and..." option was active when a document was added using the Import ribbon.

4.2.16 DE49795: Queries failed when the user was in more than 200 groups

When a user was a member of more than 200 groups, where some of the groups were members of other groups, queries for DDCs containing a SYSACLUSERLIST column failed.

4.2.17 DE50401: Text in Boolean fields not translated in Russian

The "Yes"/"No" in Boolean fields in results lists was not translated for Russian.

4.2.18 DE50921: "PathNetCheckOut" parameter was not working correctly

The PathNetCheckOut parameter, with which you can set up a global checkout directory in the network so you can check out on one machine and check in on another, was not working. It was not possible to check in on another machine.

4.2.19 DE51057: Using SAML cut off user name in authentication

When SAML was used for sign-on, the first four characters of the user name in the authentication were cut off, so the user could not be found in the Saperion user administration.

4.3 WEB CLIENT

4.3.1 DE49114: XHDOC queries executed on lookup tables

The Web Client was executing queries for XHDOC on lookup tables, which don't have XHDOC.

4.3.2 US89005: Configure file formats for pre-rendering

The "prerenderFormats" parameter has been added. Using the "prerenderFormats" parameter, you can set which file formats should be converted to PDF before the files are passed to the Virtual Viewer. By converting a file to PDF format, you can avoid display problems with certain formats.

For more information, refer to the "Web Client" section of the Administration Clients handbook.

4.4 CORE SERVER

4.4.1 DE47242: High CPU load on core server

RMI OpenNode threads were running infinitely and consumed CPU time. It was not possible to suspend these threads.

4.4.2 DE49309: (Classic Connector) SQL "CONTAINS()" caused problems with multi-value property in HQL call

When the SQL "CONTAINS()" clause was used in an HQL call, the query was executed as native SQL, and when a multi-value property was selected, it resulted in an exception. Now the exception is fixed, but to return an array of all the multi-value elements, a second query selecting the multi-value property but without CONTAINS must be run on the HDOC.

4.4.3 DE49325: (Classic Connector) Long receiver list prevented creation of parallel workflow tasks

It was not possible to create parallel workflow tasks using the ActorInfoImpl class when the receiver list was longer than 250 bytes.

4.4.4 DE49945: JCS failed with HCAP repository

Under some circumstances, when a Hitachi Content Archive Platform (HCAP) WORM repository was used and was offline or responded slowly, the Java Core Server failed with a heap corruption. It was then restarted by the service wrapper.

4.4.5 DE50301: ORACLE_FunctionTemplateGetRevisions.sql contained hard-coded database user

The "ORACLE_FunctionTemplateGetRevisions.sql" template file contained the hard-coded database user "Saperion". This has been changed to a placeholder (&).

4.4.6 DE50979: Legacy port could not be changed

It was not possible to install a Legacy Server on a machine that already had an Exchange Server installed on it, because the port was already taken and could not be changed.

4.4.7 DE50839: Server could not start when too many file system media were used

The 64-bit Saperion server was not able to start if more than 255 file system media were used.

4.5 SAP

4.5.1 DE40738: SER Connector did not handle SAP print lists correctly

SAP print lists were not formatted correctly when provided by the SER Connector. The documents were split SER files that were delivered by the SER Connector as multiple separate files instead of one file, and with the incorrect content type: image/tiff instead of application/x-alf.

4.5.2 DE47429: SAP Component ID was saved as all lowercase

The SAP Component ID, which was correctly saved with upper and lowercase characters during archiving, was changed to all lowercase when passed back to SAP.

4.5.3 DE48113: R/Indexer logged some documents twice

The R/Indexer was logging some documents twice for the same activity, while other documents were missing from the log.

4.5.4 US88599: Multiple documents with same SAPDocId caused problem in R/Link search

When multiple documents had the same SAPDocId but different capitalization, the R/Link search returned only the first document found. Now if multiple documents with the same SAPDocId but different capitalization are found, the search returns the one with the matching capitalization.

4.6 LDAP

4.6.1 DE46611: New parameter for syncing different domains

When different domains were synced with "include deletions" activated, all users of the other domain were deleted. With the new DeleteOutOfContext parameter set to FALSE, only the deletions that were made in the domain are deleted during the sync. Add the parameter in the program.ini. The default setting is TRUE.

Example

```
[LDAP Sync]
DeleteOutOfContext=TRUE
```

4.6.2 DE47562: iApplication.SyncLDAP didn't work after server restart

When the server was restarted before running iApplication.SyncLDAP with an existing profile, it resulted in an error message. This happened whether the application was run from a macro or a task.

4.6.3 DE50225: Groups with more than 1,000 members could not be synced.

Previously, it was not possible to sync groups with more than 1,000 members. The limit has been raised to 1,500. If the group contains more than 1,500, a warning is written to the log.

4.7 WORKFLOW

4.7.1 DE47168: Revised document was not automatically refreshed

In a workflow with onExit=FALSE, a revision was created but there was no automatic refresh. It was not possible to open the revised document index without manually refreshing the Workflow inbox.

4.7.2 DE47992: New parameter "SubstituteCheck"

A parameter has been added that, when set to FALSE, allows a workflow document to be forwarded to a substitute not in the user task, but who has the necessary rights. The default setting is TRUE (document can only be forwarded to other users in the task).

Example

```
[Docflow]
SubstituteCheck=TRUE
```

4.7.3 DE50430: Workflow inbox did not display certain items

An existing workflow inbox (xwfinbox.qbe) did not display such items as send items or reminder subfolders for new users.

4.8 API - COM/UBI

4.8.1 DE45598: (UBI) getProperty method returned only 1,024 characters

The iDocument.GetProperty method did not return more than 1024 characters. It now returns all characters in the string.

4.8.2 DE48212: (Classic Connector) Error when saving certain document structures

Saving a document with a structure containing a multipage TIFF with an annotation stamp and an additional file led to an error.

4.8.3 DE48886: (Classic Connector) Memory errors in getDocumentInfo

Memory errors in the getDocumentInfo class were fixed.

4.8.4 DE49011: Saving more than 10,000 documents caused high memory consumption

It is now possible to store 10,000 small documents in one structure.

4.8.5 DE49642: (Classic Connector) Logging in or out did not free any sync objects

Logging in or out did not free any sync objects.

4.9 STORAGE/PLUG-INS

4.9.1 DE42872: Plug-in names in dir.smd file were being read

When a plug-in was being loaded, the name was read from the medium.ini file as well as the dir.smd file. If the name in the dir.smd didn't match that of the plug-in used, access failed. This has been fixed so that a parameter can be set to only read the name from the medium.ini.

```
[Compatibility]
UsePluginFromMediaDB=FALSE
```

Set to FALSE, the plug-in name is not read from the dir.smd. Default is TRUE.

5 Patch Level (r91763) - December 10, 2015

5.1 Supported Java version

The current patch level includes basic testing with Java version 8 update 65.

For the Java version with which Saperion 7.5 SP5 was tested for full compatibility, refer to the corresponding technical specifications.

5.2 RICH CLIENT

5.2.1 DE47591: Black marker function not available in TIFF document

When right-clicking in a TIFF document in an embedded viewer in an index form, the black marker function was not available as an option.

5.2.2 DE48869: Closing modified document sometimes deleted the document

When a document was opened from the results list by double-clicking and the content was modified, closing and saving the document sometimes resulted in the document being discarded.

5.2.3 DE48924: Focus for document tray did not work correctly

Focus for menu items in the Document Tray ribbon did not work correctly when a query form was open. When the document tray was selected, the query form had focus.

5.2.4 DE49144: Archiving or revisioning with dtSearch failed

Archiving or revisioning with dtSearch failed with an error message about invalid index data.

5.3 WEB CLIENT

5.3.1 DE48205: Corrupted filename when saving document

After updating from Internet Explorer version 9 to version 11, saving a document with a Cyrillic name resulted in a corrupted filename in the Windows File Explorer.

5.3.2 DE48829: Apache Commons Collection updated

The Apache Commons Collection was updated to prevent a vulnerability with arbitrary remote code execution.

5.3.3 US85477: Escape characters in HQL queries

It is now possible to define escape characters, as well as define a list of characters to be escaped, in HQL queries.

5.3.4 US86854: Rendering of the results list was optimized

The rendering of the results list was optimized.

5.4 WEB SERVICES

5.4.1 DE46298: CreateEntry and UpdateEntry methods did not work

When a lookup table contained a mandatory field, the CreateEntry and UpdateEntry methods (SaWSLookupService) did not work.

5.5 WORKFLOW

5.5.1 DE43446: User able to see others' workflows

Occasionally, a user working in the Workflow was able to see other users' workflows in his "My Tasks" results list.

5.5.2 DE47619: Workflow pool not shown on second server in multi-server system

In a multi-server system, when the group option "activate workflow pool" and/or "direct access storage" was activated on the first server, the Workflow pool was not shown on a second server, nor in the registered Clients. But when the user management was opened on the second server, the options were shown as selected.

5.5.3 DE49035: Substitute could not be configured for Workflow

It was not possible to configure a substitute for the workflow in the Absence or Substitute area in the MMC configuration.

5.6 SAP

5.6.1 DE47418: Size attributes were set incorrectly

When R/Link was used to archive documents using ArchiveLink (POST or PUT), the attributes SYSDATASIZE, SYSSTORAGESIZE and SYSSTORAGESIZEALL were set to 0, regardless of the actual size of the document.

5.6.2 US82329: SAPDOCID can be used for case-sensitive search

It is now possible to use the SAPDOCID for case-sensitive searches in SAP.

5.7 API - COM/UBI

5.7.1 DE47648: Date column in an SelectHQL search led to exception

Using a Date column in an SelectHQL search resulted in an exception.

5.7.2 DE47677: Document variable names were truncated to 256 characters

When a document variable longer than 256 characters was set in the Rich Client, and then changed in the Classic Connector, the length of the variable name was trimmed to 256 characters.

5.8 CORE SERVER

5.8.1 DE47041: Memory leak when loading documents with Classic Connector

There was a memory leak in the Java Core Server when documents were loaded using the Classic Connector, even when only the document metadata were loaded. This has been fixed.