Saperion

Patch Level List

Version: Foundation EP1

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Overview

Saperion is a powerful software platform used for company-wide Enterprise Content Management (ECM) and Business Process Management (BPM).

Saperion Foundation EP1 Patch *(September 7, 2021)*

This release includes the following patch version.

- Foundation EP1-4 (revision 14196)
- Foundation EP1-3 (revision 13695)
- Foundation EP1-2 (revision 13118)

Introduction

This document lists fixed defects included in the patch release for Saperion version Foundation EP1. Defects are listed by patch release revision number, then by product area, and finally by defect number.

For more details regarding Saperion ECM, see the Online Help, Technical Specifications, and other guides on the Documentation Portal.

Important notes regarding patch-level installations

File size

Version Foundation EP1 hotfix and patch-level deliveries include all DLL files, which increase their respective file sizes.

Patch level for version Foundation EP1-4 – September 7, 2021

This release includes the following patch version.

- Foundation EP1-4 (revision 14196)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 8 update 291, Oracle Java version 11.0.12, AdoptOpenJDK version 8 update 302, and AdoptOpenJDK version 11.0.10.

For the Java version with which Saperion Foundation EP1 was tested for full compatibility, see the Saperion Technical Specifications.

Product enhancements

This release provides the following product enhancements.

Rich Client

- Introduced a new formula element to identify the effective groups of a logged in user. (SE-2812)

Web Client

- Document links shared by a user can now be opened by other users in sapwebviewer when SAML 2.0 is implemented. (SE-2945)

Core Server

- You can now control which clipId is restored to media database during Centera Bare Metal recovery, if duplicate document ids for XHDOC exist in the system. (SE-2649)

Updates

This patch includes the following updates.

ECM Services

- Resolved an issue where the error codes displayed by the ECM Service APIs in certain situations were not appropriate. (SE-2704)

- Resolved a performance issue where multiple requests to the ECM service resulted in a denial of service. (SE-2924)

- Resolved a performance issue in ECM Service while handling multiple update document requests. (SE-2936)

User Management

- Resolved an issue where deleted organizational units were visible until the Java Core Server was restarted and using the name of a deleted organizational unit to create a new one displayed an error. (SE-496)

Rich Client

- Resolved an issue where the last used search form did not open at startup when the left treeview pane was set to auto-hide. (SE-2373)

- Resolved inconsistencies in Records Management in Rich Client and Web Client. (SE-2383)

- Resolved an issue where only the first document could be attached to an email from the structure window of the Rich Client viewer. Though the other documents of the structure appeared to be attached, they could not be opened from the attachment. The issue only occurred when the documents were automatically prerendered. (SE-2706)

- Resolved an issue where an administrator failed to discard a document checked out by another user. (SE-2763)

- Resolved an issue where some PDF documents were displayed half in the Rich Client when using the multi format viewer. (SE-2799)

- Resolved an issue in the workflow's organizational unit assignment where an incorrect subordinate organizational unit was assigned to a workflow task as the workflow receiver was addressed by an organizational unit at a higher level. (SE-2810)

- Resolved an issue where opening different DLO TIFF documents from the substructure result list displayed the same document in the viewer. (SE-2889)

- Resolved an issue where Saperion failed to import a complex file structure correctly. (SE-3013)

Web Client

- Resolved an issue where an exception was added to the Java Core Server log file when the language of Web Client was changed to Spanish (ES) or Turkish (TR). (SE-694)

- Resolved an issue where logging in to Classic Connector using OpenId Connect failed after the previous Classic Connector instance expired. (SE-1890)

- Resolved a security issue while logging in to Web Client using SAML and OpenId. (SE-2701)

- Resolved an issue where the user session (license) remained open at the Java Core Server even after the SAP Web Viewer tab or the browser was closed. (SE-2922)

- Resolved an issue where Web Client failed to authenticate users while using SSO and ACL if the "Fullname" of the user included umlauts. (SE-2925)

Core Server

- Resolved an issue where writing on a write-protected SQL media database, on an active-active server, was possible using the secondary core server when the primary core server obeyed the permission settings. (SE-2517)

- Resolved an issue where relocated objects or objects on migrated SQL media could not be loaded. (SE-2524)

- Resolved an issue when failure to write into INI files was not logged. (SE-2617)

- Resolved an issue where documents could not be archived because the current media changed to write-protected and a follow-up media was not created. (SE-2742)

- Resolved an issue where an invalid header file in the media directory folder resulted in a denial of service. (SE-2764)

- Resolved an issue where modifying an ACL reset the "SysIndexState" of related documents. (SE-2770)

- Resolved an issue where the "Client" parameter of archie32.exe did not work when the client name was a number. (SE-2820)

- Resolved an issue where the legacy server did not work with HTTP and TLS. (SE-2844)

- Resolved an issue where an MMC, which was opened using Saperion SnapIns while HTTP RPC was active, could not connect to the legacy server or RLink server. (SE-2845)

- Resolved an issue where a new media plugin could not be created in the MMC when HTTP RPC was active. (SE-2850)

- Resolved an issue where some purged documents could not be copied to the mirror medium in the failover server. (SE-2874)

- Resolved an issue where the switch name for TLSRPC in the program.init file on the installation medium was incorrectly mentioned as HTTPTLS. (SE-2916)

- Resolved an issue where ECM Service failed to authenticate multiple client requests. (SE-2941)

- Resolved an issue where the legacy server failed to connect with Java Core Server when a secure HTTP connection was used over RPC. (SE-2947)

Classic Connector

- Resolved an issue where the values of extended schema properties, which included German umlauts, appeared incorrectly in a String schema fields. (SE-2762)

- Resolved an issue where deleting a document using Classic Connector with delete mode as 1 or 2 did not log the transaction in the audit table. (SE-2919)

Rlink

- Resolved an issue where Rlink failed to set X-Content-Length header value for TIF, PNG, and JPG documents that were archived as DLO=FALSE, and ForceTiffFormat was set to FALSE in RLink. (SE-2831)

- Resolved an issue where documents could not be retrieved using ArchiveLink when a secure HTTP connection was configured using RPC. (SE-2842)

- Resolved an issue where file names, which included special characters, changed due to incorrect character encoding while archiving using KPRO. (SE-2900)

COM API

- Resolved an issue where the document.store function failed for cloned documents with large images, whose DLO setting was set to TRUE. (SE-2964)

- Resolved an issue where macro failed to execute the application.RemainingOCRUnits function. (SE-2975)

Plugins

- Resolved an issue where media scan (Scan Object Headers and Scan Complete Objects) in MMC failed to work for plugins when the plugin name was changed. (SE-961)

- Resolved an issue in a dual write media where executing a reverify on the MMC deleted the object from the write buffer before the data was written in the second media, but was written correctly in the first plugin media. (SE-2575)

SAP ILM

- Resolved a security vulnerability that occurred while logging in to SAP ILM. (SE-2846)

Patch level for version Foundation EP1-3 – April 1, 2021

This release includes the following patch version.

- Foundation EP1-3 (revision 13695)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 8 update 271, Oracle Java version 11.0.10, AdoptOpenJDK version 8 update 282, and AdoptOpenJDK version 11.0.10.

For the Java version with which Saperion Foundation EP1 was tested for full compatibility, see the Saperion Technical Specifications.

Product enhancements

This release provides the following product enhancements.

Web Client

- Users can now configure the default behavior for duplicate sessions that displayed open duplicate sessions while logging in to Web Client and prompted users to take an action. With this change, users can now configure the default setting to automatically delete or keep duplicate sessions open. (SE-2362)

- The Snowbound Viewer is now updated to version 5.6. (SE-2477)

Core Server

- The JDBC drivers for MS SQL and Oracle are now upgraded to version 8.2.2.jre8 and 12.2.0.1, respectively. (SE-2162)

- You can now control which clipId is restored to media database during Centera Bare Metal recovery, if duplicate document ids for XHDOC exist in the system. (SE-2649)

Integration Server

- Integration Server is now compatible with Java 11. (SE-860)

- Upgraded the WildFly version to 21.0.0.Final. (SE-2367)

Updates

This patch includes the following updates.

Installer

- Resolved an issue where silent installation of Saperion ECM did not get registered correctly in windows 10. (SE-1230)

ECM Services

- Resolved an issue where LDAP login failed when the OU of the user is different from the OU of the base-DN. (SE-2397)

- Resolved an issue where LDAP login failed when ldap.base.dn did not include the OU. (SE-2441)

- Resolved an issue where the impersonation feature was not working for LDAP synced technical user. (SE-2472)

- Resolved an issue where authentication using Bearer schema failed while impersonating a user with different displayName and fullName. (SE-2490)

Rich Client

- Resolved an issue where the document viewer could not be closed after a multipage TIFF document was edited. (SE-1249)

- Resolved an issue where a document was checked out for editing when the value of the eventHandler function was set to FALSE. (SE-1824)

- Resolved an issue where a LDAP synchronized user, who was locked by the administrator, could log in to Rich Client using the current user credentials. (SE-2428)

- Resolved an issue where documents could not be saved from the structure window when rendering was active. (SE-2444)

- Resolved an issue where COLD documents and scanned pages could not be saved from the result list in Rich Client. (SE-2448)

- Resolved an issue where emails could not be sent from Rich Client using MAPI when 64-bit Outlook was installed. (SE-2466)

- Resolved an issue where an exception in the ClassText.GetText() method caused memory leak. (SE-2519)

- Resolved an issue where enabling thumbnail view in the viewer window with many JPEG files in a structure caused performance issues while performing specific operations, such as resizing the viewer, switching between ribbon groups, and resizing the thumbnail pane. (SE-2694)

Web Client

- Resolved an issue where changes in the page order of an archived multipage TIFF document were not visible in Web Client when the DLO setting of the document was set to TRUE. (SE-1656)

- Resolved an issue where user's private navigation elements were not created if the user only used Web Client to log in to Saperion. (SE-2123)

- Resolved an issue where editing annotations was not possible on PNG, BMP, and JPG files when black marker was used in the document. (SE-2176)

- Resolved an issue where downloading a multipage TIFF document, which included a stamp or black marker, was not compressed when downloaded from the Web Client and resulted in larger image size of the TIFF file. The issue occurred when the DLO setting was set to TRUE. (SE-2198)

- Resolved an issue where the multi-search failed for integer lookup field. (SE-2361)

- Resolved an issue where the Web Client failed to display single page TIFF documents from within the substructure. (SE-2407)

- Resolved an issue where the "blackmarker" annotation stopped working in Web Client because of Snowbound caching. (SE-2473)

- Resolved an issue where cancelling an index mask for a document resulted in a system error. (SE-2533)

- Resolved an issue where the search functionality in portal.zul failed to identify multivalue fields. (SE-2619)

Core Server

- Resolved an issue where the error log for the getcontentdata failure did not provide any specific information. (SE-632)

- Resolved an issue where a sequence table was created for all clients though it was a tenant specific definition. (SE-2344)

- Resolved an issue where an error message was added to the corelog file when the "CheckAcls" parameter was set to TRUE in the importer.properties file. (SE-2417)

- Resolved Java deserialization vulnerabilities caused by some third-party libraries. (SE-2442)

- Resolved an issue where an error occurred while using integrated login as the MS JDBC driver required a new version of Microsoft authentication DLL. (SE-2488)

- Resolved an issue where the "SQL MediaDB" column was missing in the "Migrated Media" section of the MMC root console. (SE-2511)

- Resolved an issue where Java Core Server failed to create the datasourceconfiguration.xml file while installing Saperion. The issue occurred if Saperion was installed with an Oracle ODBC DSN. (SE-2608)

- Resolved an issue where stamps of WMF format were not visible if the stamp directory was inaccessible. (SE-2648)

Integration Server

- Resolved an issue where Integration Server failed to start correctly when Oracle database was used. For new Integration Server installation, you must add the <property name="hibernate.hbm2ddl.auto" value="update" /> under the <properties> section of the [drive:]\{installation path}\SAPERION\Integration Server\jboss\standalone\deployments\sis-server-ear.ear\sis-server-core.jar\META-INF\persistence.xml file before you start Integration Server for the first time. (SE-2280)

Classic Connector

- Resolved an issue where the setting "AllowDuplicates=FALSE" in the archief.ini file failed to prevent duplicate documents from archiving. The issue occurred when the "SYSINDEXSTATE" field was used in the DDC. (SE-1312)

- Resolved a performance issue wile executing the ExecuteStoredProcedure operation in Classic Connector. (SE-2399)

- Resolved an issue where the "UpdateLookupEntry" function converted values with "bigdecimal" datatype to integer. The issue occurred when the values were in columns with Saperion "float" or "currency" datatype. (SE-2406)

Storage

- Resolved an issue where an error occurred after Bare Metal Recovery completed the reorganization of the media database when the task was executed from Centera. (SE-2396)

- Resolved an issue where documents could not be loaded in the first attempt using the ICM Storage Plugin. (SE-2589)

Web Services

- Resolved an issue where content objects in the document structure were not added by their order in XML request for archive endpoint of SOAP webservice. (SE-2489)

Rlink

- Resolved an issue where certificate in the RLink MMC could not be activated in the first attempt. (SE-840)

- Resolved an issue where an HTTP 404 error page appeared while opening a document from SER storage using RLink. (SE-2595)

COM API

- Resolved an issue where executing the application.savefolder function to save an eFile extracted the wrong content. (SE-2133)

- Resolved an issue where the document.saveas function failed to assign the correct parameter for annotations in documents with DLO set to FALSE. (SE-2339)

Connector

- Resolved an issue where the IXOS-service failed to access documents because of a conflicting JAR file in its delivery. (SE-1906)

- Resolved an issue where the IXOS connector in the installer ISO did not specify the version number. (SE-2487)

Patch level for version Foundation EP1-2 – November 16, 2020

This release includes the following patch version.

- Foundation EP1-2 (revision 13118)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 8 update 202, Oracle Java version 11, AdoptOpenJDK version 8 update 252, and AdoptOpenJDK version 11.0.7

For the Java version with which Saperion Foundation EP1 was tested for full compatibility, see the Saperion Technical Specifications.

Product enhancements

This release provides the following product enhancements.

Rich Client

- The functionality that displays the count of documents in an eFile can now be disabled. (SE-1374)

Web Client

- Users can now generate eMails with a sharelink within the SAP Web Viewer without using the mailer applet. (SE-2195)

- Upgraded the version of Snowbound Viewer to 5.2. (SE-2216)

Core Server

- Improved the functioning of retention tasks to reduce failures. (SE-1752)

Storage

- Optimized the ICM plugin and also included security fixes. (SE-2116)

Business Rule Server

- Removed unused SMB library from BusinessRuleServer. (SE-1762)

Rlink

- Introduced a setting that now allows Rlink to store documents with ComponentId in their file name. (SE-719)

C# SDK

- Enhanced the security of C# SDK by signing the DII of the SDK with a strong name. (SE-2270)

Updates

This patch includes the following updates.

ECM Services

- Resolved an issue where the access rights of restored roles and ACLs could not be retrieved. (SE-918)
- Resolved an issue where the ECM services did not work with Oracle version higher that 12. (SE-1427)
- Resolved an issue where a request for active groups and users by ECM service also returned deleted roles and substitutes. (SE-1621)
- Resolved an issue where users synchronized with the operating system using LDAP failed to log in to ECM and authentication service. (SE-1979)
- Resolved a performance issue while loading a document using ECM service. (SE-2120)
- Resolved an issue where the render service continued to render images at the default parameter of 200 DPI even after the DPI settings were changed. (SE-2138)
- Resolved an issue where the role ID of a group, when created using ECM service, was assigned a "null" value instead of 0. (SE-2209)

Rich Client

- Resolved an issue where the Rich Client displayed an error when Quality Assurance was started on documents archived in scenarios that included long DDC names. (SE-1497)
- Resolved an issue where the "edit" event executed more than once when the value of the "pre" parameter was set to 1. (SE-1823)

- Resolved an issue where MSG files, that included umlauts in the file name, could not be printed. (SE-1983)

- Resolved an issue where a document, once saved, could not be saved again from the query mask, when the multi-format viewer is activated. (SE-1984)

- Resolved an issue where search in Rich Client was not working properly when SQL server nativeclient 11 or ODBC driver 17 for SQL server was used. (SE-2134)

- Resolved an issue where following a specific sequence of steps to open the eFile created empty entries in the eFile naviation. (SE-2194)

- Resolved an issue where the Rich Client stopped responding while creating long indexdata string using the cursor.GetNthIndexLine COM API function. (SE-2226)

- Resolved an issue where pressing F1 from the Rich Client in German language did not populate the online help. (SE-2342)

Web Client

- Resolved an issue where an error was displayed in Webclient while attempting to open an archived document from a folder. (SE-981)

- Resolved an issue where linked documents, created in Rich Client, could not be opened in Web Client. (SE-1063)

- Resolved an issue where stamp and blackmarker were not visible in the HTML viewer when stamp is protected from ACL. (SE-1945)

- Resolved an issue where searching documents using query mask failed to acknowledge the higher and lower limit of the "sysindexstate" parameter. (SE-1950)

- Resolved an issue where the "view" icon was displayed in the result list of Web Client even after being disabled in Rich Client. (SE-2172)

- Resolved an issue where downloading a multipage TIFF document, which included a stamp or black marker, was not compressed when downloaded from the Web Client and resulted in larger image size of the TIFF file. The issue occurred when the DLO setting was set to TRUE. (SE-2198)

- Resolved an issue where entries could not be added to a lookup table when the lookup table included an integer field that was a reference to another lookup table. (SE-2218)

Core Server

- Resolved an issue where copying of structures that included two different documents of the same name created all copies from a single document. (SE-696)

- Resolved an issue where ACL could not be deleted in a non-tenant system when the "StoreZeroAsNull" parameter was activated in the MMC (ODBC settings). (SE-726)

- Resolved an issue where the database password appeared unencrypted in a system file after the Saperion server was installed. (SE-1467)

- Resolved an issue where the Classic Connector was not able to add more than 150 groups or users to a group. (SE-1745)

- Resolved an issue where the memory in JavaCoreServer continued to increase when workflow was executed on Legacy Server. (SE-1579)

- Resolved an issue where Mediascan displayed an error while scanning objects that include a relocation ID. (SE-1799)

- Resolved a performance and memory issue caused due to increase in wrapper count on every ECM service request in Java Core Server. (SE-2121)

- Resolved an issue where Java Core Server failed to start when the values for the "enableCoreEvents" and "isConnectorEnabled" parameters were set to TRUE. To implement this resolution, the Integration Server was upgraded to MSI version 2.0.3-x64. (SE-2146)

- Resolved an issue where documents associated to an ACL could not be accessed from the Workflow by a Saperion user whose username included umlauts. (SE-2115)

- Resolved an intermitant issue where attempt to log in to Saperion using Classic Connector failed. (SE-2354)

Classic Connector

- Resolved an issue where adequate log was not available for authentication failures that occurred while logging into trusted applications. (SE-2155)

Storage

- Resolved an issue where a large number of warnings regarding the S3 plugin were added to the log file of Java Core Server. (SE-1834)

- Resolved an issue where a shared SQL medium of size larger than 128 GB failed to initialize after the Java Core Server was restarted. (SE-1938)

Web Services

- Resolved an issue where the webservices failed to execute multiple requests through multi-threaded application for a single logged-in user. (SE-2082)

- Resolved an issue where attempt to archive a document using webservices displayed an error when the DDC included a counter type field. (SE-2260)

Rlink

- Resolved an issue where the RLink service started communicating before the RLink configuration was finished. (SE-673)

- Resolved an issue where executing the FastLink macro as an Rlink task in the MMC created invalid HMEM messages in RLink_Arcmemlog. The issue occurred when Application.threadlogin was used with the macro and no module user was defined. (SE-1238)

- Resolved an issue where the SYSFILENAME included replacement characters for Umlauts if the SAP CompID, provided through Rlink, contained umlauts. (SE-2126)

- Resolved an issue where Rlink stopped responding while attempting to open a wrong or manupulated link. (SE-2127)

- Resolved an issue where the CMPxxxxx.tmp files in the "%saperion_temp%" folder are not deleted. (SE-2187)

- Resolved an issue where the memory could not be released after an error occurred. (SE-2348)

COM API

- Resolved an issue where the COM-API "remap" function stopped responding for documents that include huge revision history. (SE-1907)

- Resolved an issue where the "getproperty" parameter delivered empty values for fulltext fields. (SE-2263)

Plugins

- Resolved an issue where every access request to AWS S3 storage using V2 authentication added a warning to the Java Core Server log file, which suggested to use V4 authentication in the future. V4 authentication is the supported authentication in Saperion Foundation EP2. (SE-1561)

Patch level for version Foundation EP1-1 – July 13, 2020

This release includes the following patch version.

- Foundation EP1-1 (revision 12240)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 8 update 202, Oracle Java version 11, AdoptOpenJDK version 8 update 252, and AdoptOpenJDK version 11.0.7

For the Java version with which Saperion Foundation EP1 was tested for full compatibility, see the Saperion Technical Specifications.

Product enhancements

This release provides the following product enhancements.

ECM Services

- Saperion can now perform OCR on image documents using Render Service. (SE-1767)

- The name length of Access Control List (ACL) is now restricted to 10 characters (ECMS). This enhancement enables Core Server to access all ACLs. (SE-1935)

Core Server

- The name length of Access Control List (ACL) is now restricted to 10 characters (ECMS). This enhancement enables Core Server to access all ACLs. (SE-1935)

- Removed JCS Agent so that Java security updates can secure JMX vulnerability. (SE-1384)

LDAP

- You can now manually replace the default LDAP SDK with "Microsoft" to support the upcoming Microsoft update that makes the LDAP channel binding and LDAP signing features mandatory. (SE-1649)

C# SDK

- Provided a .net SDK for ECM service that now enables users to build their own solutions to integrate with ECM service. (SE-1533)

API Documentation

- Improved the REST API documentation that now includes best practice with example code for the native REST API, JAVA, and C# SDKs. (SE-1520)

Updates

This patch includes the following updates.

ECM Services

- Resolved an issue where the ecms-configuration-service.war file could not be deployed to Tomcat. (SE-1296)
- Resolved an issue where an error occurred when a new document with lookup table field was created via ECMS. (SE-1506)
- Resolved an issue where the "UserType.Reference" function returns a null value. (SE-1788)
- Resolved an issue where new bearer token for multiple users could not be extracted from the Authentication server. (SE-1862)
- Resolved an issue where locked or deleted Saperion users were able to log in using ECM Services. (SE-1863)
- Resolved an issue where bearer token remained in the cache even after the logging out from the client. (SE-1881)
- Resolved an issue where the "GET /version" API in Render service did not respond correctly. (SE-1904)
- Resolved an issue where legacyMember field of XS_ACL table is not populated while creating Access List from Saperion ECMS. (SE-1934)
- Resolved an issue where a group could be added to a user multiple times using ECMS. (SE-1952)

Rich Client

- Resolved an issue where a large image file could not be saved after the image was rotated to a different angle in edit mode. (SE-1290)
- Resolved an issue where clicking the "Cancel" button in the "Save" dialog box to abort saving a new DDC closed the DDC designer. This forced the user to create the DDC from the beginning instead of making the required changes before saving it. (SE-1379)
- Resolved an issue where archiving a rectangular JPG file converts it to quadratic format. (SE-1380)

- Resolved an issue where the metadata of image files were deleted while storing from Saperion to filesystem. (SE-1381)

- Resolved an issue where the "Application.SetFolderACL" function failed to attach ACLs to documents. (SE-1468)

- Resolved an issue where user failed to add annotations to image files that were saved as application and multiformat viewer is set to "Image". (SE-1478)

- Resolved an issue where the main window of the Rich Client randomly changed from back screen to front screen when multiple dialog boxes or applications are open. (SE-1504)

- Resolved an issue where colored annotations changed to black and white annotations on black and white TIFF files. (SE-1510)

- Resolved a performance issue where moving files between document trays took longer than expected. (SE-1523)

- Resolved an issue where Rich Client stopped responding intermittently when eFiles were opened. (SE-1554)

- Resolved an issue where changing the order of scanned pages in a structure failed. (SE-1586)

- Resolved an issue where only the first page of a multipage TIFF document could be rotated. (SE-1603)

- Resolved an issue where the OCR point and shoot feature failed to respond. (SE-1611)

- Resolved an issue where entry to the Retrieval table failed after OCR point and shoot when Oracle fulltext is used. (SE-1620)

- Resolved an issue where the eFile application stopped responding while editing an eFile. (SE-1726)

- Resolved an issue where "notice" annotations incorrectly appeared as rotated. (SE-1760)

- Resolved an issue where documents with a unique unicode field could not be appended (duplicate documents handling). (SE-942)

- Resolved a performance issue that occurred when the viewer displayed large multi-page TIFF documents in Thumbnail view. (SE-957)

- Resolved an issue where ordered structure elements that are copied and remain in the tray do not appear in the preview after one of the structure was archived. (SE-974)

Web Client

- Resolved an issue where database connections in the connection pool was exhausted after logging in 200 times. (SE-1864)

- Resolved a security issue where metadata of files archived in Saperion could be extracted using third-party tools. (SE-1591)

- Resolved an issue where users failed to log in to Saperion through a browser from which they had logged out from the previous session and closed the browser. (SE-1825)

- Resolved an issue where Web Client did not work when Tomcat version 9.0.31 and higher. (SE-1802)

- Resolved an issue where a duplicate "getfolderinfo" request is executed when the navigation tree is created in Web Client. (SE-1784)

- Resolved an issue where a general error message is displayed to locked users instead of a specific one. (SE-1779)

- Resolved an issue where login to Saperion Web Client failed, when OpenID Connect is configured and IdP (Identity Provider) did not include wildcards in the redirectUrl validation. (SE-1660)

- Resolved an issue where certificate check fails if KeyName is not included in the SAML response. (SE-1571)

- Resolved an issue where exporting result list using search mask failed when the DDC name included a special character. (SE-1503)

- Resolved an issue where SAML2 login failed, because evaluation of the SAMLResponse was not RFC-2045 compliant. (SE-1570)

- Resolved a security vulnerability that enabled a Query user to access the list of all users. (SE-992)

- Resolved an issue where search results created on the vsgrp DDC, using a simple search mask, generated an error. (SE-1947)

- Resolved an issue where "SAPWebViewer" failed to display TIFF files. (SE-2087)

Core Server

- Resolved an issue where the memory in JavaCoreServer continued to increase when workflow was executed on Legacy Server. (SE-1579)

- Resolved an issue that added an error to the corelog file. (SE-1007)

- Resolved an issue where the MMC stopped responding when the user clicked the "Connections" option from the ODBC menu. The issue occurred when OpenJDK was used. (SE-1313)

- Resolved an issue where SAC files in FIFO cache could not be deleted in non-multi-tenant systems. (SE-1544)

- Resolved an issue where the FiFo cache option required two attempts to save while creating new readcache in Saperion MMC. (SE-1512)

- Resolved an issue where the Core Server failed to extract the group of a user or another group when the group is assigned from the Saperion ECMS. (SE-1936)

- Removed JCS Agent so that Java security updates can secure JMX vulnerability. (SE-1384)

- Resolved an issue where Java Core Server failed to create the VSUSR_EXTENDED view in Oracle. (SE-1626)

- Resolved an issue where a group could be added to a user multiple times using ECMS. (SE-1952)

- Resolved an issue where shared cache was not shrinked even after the threshold value was exceeded. (SE-2001)

Workflow

- Resolved an issue where the first workflow request on Legacy Server deleted all active workflows. (SE-2086)

Classic Connector

- Resolved an issue where the ClassicConnector "getannotations" function failed to retrieve stamp annotations from a document. (SE-1866)

- Resolved an issue where logged out users appeared as logged-in in MMC. (SE-1894)

- Resolved an issue where rendering documents using Classic Connector generated an error. (SE-1563)

Storage

- Resolved an issue where the size of "shared SQL Media" was not displayed in MMC when MSSQL was used (SE-1951)

- Resolved an issue where shared SQL media was not available as local media in the second server. (SE-1641)

- Resolved an issue where TIF files could not be viewed using the "Easy Connector". (SE-1442)

Rlink

- Resolved an issue where TIF files, uploaded using fastlink, could not be viewed in SAP. (SE-1780)

- Resolved an issue where the SAP PLM info request failed to find the properties and store the file size when the X-compid included umlauts. (SE-756)

- Resolved an issue where Rlink stopped responding when an HTTP request was initiated through an incorrect link. (SE-1389)

Web Services

- Resolved an issue where opening the link "/scr-webservices/rest/view" displayed a SOAP web service error. (SE-1080)

- Resolved an issue where TIF and MP-TIF files, downloaded using REST webservices, were corrupt. (SE-2057)

COM API

- Resolved an issue where executing macros generated internal error when both the parameters, "UserManagementAlwaysUtf8" and "UserAdminUnicode" was set to TRUE. The issue occurred when the username included unicode characters. (SE-1291)

- Resolved an issue where executing the application.threadlogout() method generated an error. (SE-1574)

- Resolved an issue where executing a VB Script in a multi-client system after activating the STARTUP or SHUTDOWN protocol did not add related entries to the Audit Table. (SE-922)