

Saperion

Patch Level List

Version: Foundation EP6

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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 EP6 Patch (*January 19, 2024*)

This release includes the following patch version.

- Foundation EP6-UP6 (revision 47140)
- Foundation EP6-UP5 (revision 47032)
- Foundation EP6-UP4 (revision 46873)
- Foundation EP6-UP3 (revision 46732)
- Foundation EP6-UP2 (revision 46597)
- Foundation EP6-UP1 (revision 15166)

Introduction

This document lists fixed defects included in the patch release for Saperion version Foundation EP6. 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 EP6 hotfix and patch-level deliveries include all DLL files, which increase their respective file sizes.

Patch level for version Foundation EP6-UP6 – January 19, 2024

This release includes the following patch version.

- Foundation EP6-UP6 (revision 47140)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 11.0.20, Oracle Java version 17.0.9, AdoptOpenJDK version 11.0.21, and AdoptOpenJDK 17.0.8.

For the Java version with which Saperion Foundation EP6 was tested for full compatibility, see the Saperion Technical Specifications

Product enhancements

This release provides the following product enhancements.

Installer

- Java Core Server, Web Client, and several other Saperion components now require Java 11 or Java 17 to work. Support for Java 8 is now discontinued. (SECM-3828)
- The JCS configuration files are now included in the “config_new” folder of the delivery ZIP package. (SECM-5776)

ECM Services

- Implemented the Linux distribution of the render-isys. (SECM-4342)
- Linux compatible ECM service modules are now available for installation in Linux systems as a service. (SECM-5650)
- The delivery ISO now includes Linux distribution of ECM services. (SECM-5656)

Rich Client

- Saperion can now index barcode and full text captured from OCR. Barcodes can also be used as delimiters to create separate pages while archiving a document. (SECM-5698)

Web Client

- Upgraded the SAML in Web Client to version 2.x. (SECM-3230)
- Improved the handling of short notes in Web Client. (SECM-4263)
- Improved multiple sorting of columns in the result list in Web Client. (SECM-5691)

Business Rules Server

- Improved server performance by smartly handling the login instances of the Business Rules Server. (SECM-5769)

C# SDK

- Upgraded the .NET framework version to 4.8, which makes the C# SDK compatible with .NET Standard version 2.0. (SECM-5782/SECM-5805)

Updates

This patch includes the following updates.

ECM Services

- Resolved an issue where the search results in Oracle tables included duplicate results. (SECM-5771)
- Resolved an issue where the AND operator was incorrectly used for the `toString` method of `BooleanOrExpression.java` instead of the OR operator. (SECM-5853)

Rich Client

- Resolved an issue where folders that included umlauts or unicode characters in their names could not be dragged to the document tray. (SECM-5716)
- Resolved an issue where documents could not be viewed from the [ExternalViewers] section. (SECM-5774)
- Resolved an issue where the DDC designer allowed setting the field count for DDCs to higher than the maximum permissible field count of 196. (SECM-5829)
- Resolved an issue where empty folders in the "SAPERION CheckOut" folder were not automatically deleted after the application files were indexed. (SECM-5851)

Web Client

- Resolved an issue where creating a lookup table with a multi-value field, which included more than one entry, resulted in an error when the values were populated from another lookup table. (SECM-3930)
- Resolved an issue where adding a document to a group, and then using the "Take over" command to associate the workflow in Web Client, removed the existing comments. (SECM-4194)
- Resolved an issue where documents were locked when users tried to open them in edit mode. (SECM-4328)
- Resolved an intermittent issue where Hyland Viewer stopped working after a specific time and logged an error. (SECM-5694)
- Resolved an issue where annotations were not displayed on the "Print" window while printing an archived file, though the "Include Annotations" checkbox was selected. (SECM-5707)
- Resolved an issue where the insert, update, and delete functions in Web Client were enabled for Audit tables whereas they were disabled in Rich Client. These functions are now disabled for Audit tables in Web Client. (SECM-5724)
- Resolved an issue in Web Client where the "User" dialog box displayed all the groups and organizational units, though only few groups were added to the receiver list in a workflow user task with parallel receivers. (SECM-5768)

Core Server

- Resolved an issue where the button disabled using the `FormButton.setDisabled(true)` method was enabled again when changes are made to the result list. (SECM-3303)
- Resolved an issue where MMC on another client system (such as, Windows 10 or Windows server) could not be connected with the legacy server. (SECM-5655)
- Resolved an issue where data type conflict notices were logged in the JCS log file during startup because the xuser field size in the vlocks.ddc, vslocks.ddc, and vlocks_user.ddc files was not adequate. (SECM-5715)
- Resolved an issue where only ERROR messages were added to the log file even when the log level was set to DEBUG and the Window Event logger was enabled. (SECM-5789)
- Resolved security vulnerability caused due to 3rd party libraries. (SECM-5825)

Workflow

- Resolved an intermittent issue where ad-hoc workflows failed to start. (SECM-5839)

Integration Server

- Resolved an issue where the Integration Server installation created an incorrect database connection string for Oracle database. (SECM-2955)

Patch level for version Foundation EP6-UP5 – September 21, 2023

This release includes the following patch version.

- Foundation EP6-UP5 (revision 47032)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 11.0.20, Oracle Java version 17.0.8, AdoptOpenJDK version 11.0.20, and AdoptOpenJDK 17.0.8.

For the Java version with which Saperion Foundation EP6 was tested for full compatibility, see the Saperion Technical Specifications

Product enhancements

This release provides the following product enhancements.

Important enhancements

- Java Core Server, Web Client, and several other Saperion components now require Java 11 or Java 17 to work. Support for Java 8 is now discontinued. (SECM-3828)
- Upgraded Windows API version to Windows 10. Support for Windows 7, Windows 8, and Windows Server 2012 is discontinued. Java Core Server and Rich Client would not work on the discontinued platforms. (SECM-4285)
- Hyland viewer is now the default viewer. Snowbound Viewer is now discontinued and not included in the Saperion delivery. (SECM-5702)

ECM Services

- The response of a search requested using ECM services now also includes the total count of matched results. (SECM-4324)

Rich Client

- Upgraded Windows API version to Windows 10. Support for Windows 7, Windows 8, and Windows Server 2012 is discontinued. The "DPI Awareness" of the client process is now set to "System" by default. This allows Microsoft Office users to have Office embedded in the viewer again in the view compatibility mode of Microsoft Office. (SECM-4285)

Web Client

- The error "RMI Wrapper Instance for this key does not exist" is now categorized as a warning so that only critical issues are logged as errors. (SECM-3608)
- Upgraded the Hyland Rendering and Conversion Service (HyRCS) version to 1.11. (SECM-3638)
- Improved the performance of SAP ILM service. (SECM-3913)
- Upgraded Hyland Viewer to version 6.0 and Angular version to 15. (SECM-4076)
- Hyland Viewer can now be configured to render documents that consist of more than two thousand pages. (SECM-4207)
- Users can now double-click a document in the Web Client result list to open or edit it, depending on the result list configuration. (SECM-4265)

Core Server

- Upgraded the versions of some outdated libraries to mitigate security vulnerabilities. (SECM-4199, SECM-3862, SECM-3938)
- ZXing now replaces FineReader as the default barcode reader. (SECM-4091)
- Document Filters now replaces FineReader as the default fulltext reader. (SECM-4092)
- Saperion logs can now be configured to log to Windows Event logs. (SECM-4155)
- Upgraded the Liquibase version to 4.21.1. (SECM-4203)
- The "Checklist can be modified" check box in the Adhoc Workflow Assistant can now be enabled by default using a configuration. (SECM-4264)

Workflow

- SMTP mails sent from the workflow can now use different email accounts for sender address and SMTP authentication. (SECM-4327)

LDAP

- The LDAP FullName length can now accommodate up to 500 characters using LDAP sync Tool. This enhancement enables users with long names to log in to Saperion using LDAP. (SECM-4294)

RLink

- The Archive Link interface now replaces HTTP error code 401 with 409 and displays a more appropriate error message when a delete request is sent for a document that is protected by retention or legal hold. (SECM-4234)

Updates

This patch includes the following updates.

ECM Services

- Resolved an issue where documents archived using ECM service failed to populate the SAPDOCID field even if the SAPDOCID field is included in the DDC. (SECM-3273)

- Resolved an issue where documents could not be archived using the ECM service when the `SYSFILEICON` field was used in the DDC. (SECM-3646)
- Resolved an issue where the API call `/documents/{documentId}`, for multipage TIFF documents displayed only the last image, and for more than one image in the structure the call displayed only the first image. This happened for the images that were archived with the `DLO=true` setting. (SECM-3668)
- Resolved an issue where any document related action failed if the “all clients in table” functionality was enabled in the DDC. (SECM-4000)
- Resolved an issue where old documents without the `SYSROWID` field in the database could not be deleted using the revision ID. (SECM-4111)
- Resolved a security vulnerability by securing password in the ECM services configuration file. (SECM-4220)
- Resolved an issue where the "Update document" call from the Storage service failed to update the index value in the database. (SECM-4228)
- Resolved an issue where documents could not be archived using ECM services if `contenttype` for the document is not set. (SECM-4323)
- Resolved an issue where no error or warning message appeared when documents with retention were purged using API. (SECM-4326)
- Resolved an issue where the item count was always zero in response to some API search queries. (ECM-5652)
- Resolved an issue where archiving a document using ECM services caused an error when storage service was used and the MMC associated with the document included the `SYSSTORAGESIZE` system field. (SECM-5665)

Rich Client

- Resolved an issue where incorrect ACL was available for selection while adding ACL to a document in a multiple tenant environment. (SECM-4035)
- Resolved an issue where activating the ISIS scanner in the configuration dialog box caused an error requiring Rich Client to be restarted. (SECM-4222)
- Resolved an issue where the userselection collapsed automatically when a sublevel of the organizational unit was opened from the receiver dialog box in Rich Client. (SECM-4291)
- Resolved an issue where the Quick Access Toolbar could be exploited by users without admin rights to remove or change ACLs on folder applications in Rich Client. (SECM-4309)

Web Client

- Resolved an issue where the `MainTabHelper.closeQueryForm` method failed to close a tab in Web Client. (SECM-2058)
- Resolved an issue where workflow failed to start if the name of the recipient group included a '/'. (SECM-3045)
- Resolved an issue where the search results on Web Client sometimes appeared incorrectly if the search results were spread across multiple pages. (SECM-3631)

- Resolved a security vulnerability related to second order SQL injection. (SECM-3658)
- Resolved an issue where annotations in application documents (documents with extension DOCX, PPTX, PDF, and similar file types) were not visible in the print preview window. With the current implementation, the previous practice of running the Legacy-32 service to print annotations is not required anymore. (SECM-3898)
- Resolved an issue where annotations could not be printed correctly from Hyland Viewer for multipage TIFF documents with the `DLO=false` setting. (SECM-4024)
- Resolved an issue where the Task (Workflow) preview in Web Client did not display the updated document when a document in the workflow was changed. (SECM-4186)
- Resolved an issue where closing the "Input some text" popup while editing a text annotation did not preserve the selected values. (SECM-5700, SECM-5701)

Core Server

- Resolved an issue where stopping Saperion services added critical error message to the Saperion Core log file. (SECM-2624)
- Resolved an issue where many "ApplicationServer GetConfiguration retTooManyElements" error messages were logged in the Coreserver log file. (SECM-2906)
- Resolved an issue where double-clicking specific items in the MMC stopped the MMC execution. (SECM-3386)
- Resolved an issue where an error was added to the core server log file leading to an unhandled exception. (SECM-4240)
- Resolved an issue where an "ErrorCreateCacheFile" or a "FullQueue" error message repeatedly appeared in the Coreserver log file. To implement this resolution, ISAM caches must be configured manually. (SECM-4297)
- Resolved an issue where using a macro to render PDF files to TIFF format did not move the rendered files to the specified destination directory from the temp folder when the setting `RenderEngine=SNOWBOUNDLOCAL` was used. (SECM-4310)
- Resolved a memory leak issue when documents were archived using ECM services. (SECM-5671)

RLink

- Resolved an issue where the temporary files remained in the file system and could not be deleted when network connection was interrupted or aborted during file transfer. (SECM-4006)

Patch level for version Foundation EP6-UP4 – May 09, 2023

This release includes the following patch version.

- Foundation EP6-UP4 (revision 46873)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 8 update 371, Oracle Java version 11.0.19, Oracle Java version 17.0.7, AdoptOpenJDK version 8 update 372, AdoptOpenJDK version 11.0.19, and AdoptOpenJDK 17.0.7.

For the Java version with which Saperion Foundation EP6 was tested for full compatibility, see the Saperion Technical Specifications.

Product enhancements

This release provides the following product enhancements.

Installer

- Replaced HyRCS 1.4 with HyRCS 1.5 in the Saperion delivery ISO. (SECM-4160)

ECM Services

- Implemented a failover mechanism where ECM service connects to another Java Core Server with the least load when connection to the existing Java Core Server fails. For additional information, refer to the "High availability of ECM services" topic in the "Install and configure microservices" section of the Saperion online help. (SECM-3933, SECM-3934, SECM-2621)
- Documents retention feature is now available in ECM Services. Documents can be archived with Retention values or retention values can be updated via ECM services. (SECM-3017)

Web Client

- Hyland Viewer now supports show and hide annotations feature. (SECM-2901)
- Removed the old commons-configuration jar file from Web Client. (SECM-4041)
- In Hyland Viewer, you can now set your preferred scale as the default scale. For example, if you set "Fit to width" as the preferred scale in the Hyland Viewer user interface, all documents you open using Hyland Viewer in that browser are scaled to "Fit to width". (SECM-4075).
- Users can now download older revisions of documents from the revision history in Web Client. (SECM-3640)
- Upgraded third-party libraries in Web Client to resolve security vulnerabilities. (SECM-4134)

Core Server

- Upgraded Hyland Document Filters to version 22.4. (SECM-3945)
- The ojdbc8 driver is now upgraded to ojdbc11. For using the Oracle database, Java 11 or higher is required. (SECM-3965)
- Upgraded Jersey library in Saperion modules. (SECM-3281, SECM-4005, SECM-4016).
- Upgraded Tika library in Saperion modules to version 2.7.0. (SECM-4126)
- Upgraded the spring libraries to resolve known vulnerabilities in the Spring Framework. (SECM-4163)
- Upgraded third-party libraries in Java Core Server to resolve security vulnerabilities. (SECM-4202)

LDAP

- Introduced a setting that enables users of LDAP sync Tool to disable the Rich Client synchronization and the synchronization via EventScript to facilitate the LDAP synchronization correctly. Administrators can set the value of the `LdapSyncDeActivated` parameter to `TRUE` when using LDAP Sync tool. For additional information, refer to the “Deactivate LDAP synchronization via Rich Client and EventScript” heading in the “Best Practices” topic of the LDAP sync Tool online help. (SECM-2045)

C# SDK

- Users can now set metadata of greater length by configuring the `MaxJsonLength` parameter for the `JavaScriptSerializer` in C# SDK. For additional information, refer to the Configure the C# IDE topic in the Saperion online help. (SECM-3976)

SAP ILM

- Improved the performance of the SAP ILM service. (SECM-3913)
- Retention time and disposition time of a document set by SAP ILM, can now be implemented in Saperion by setting `TRUE` value to the `ddc.saperionmanagedretentiontime` and `ddc.saperionmanageddispositiontime` keys. For additional information, refer to the “[DDC Mapping] Section” under the “saperion.properties” heading in the “Configuration Saperion SAP ILM 1.0” topic.

Updates

This patch includes the following updates.

ECM Services

- Resolved an issue where using the `DocumentRevisionClient.loadMetadata()` method for multipage TIFF documents or documents with multiple images resulted in an error if the images were archived with the `DLO=True` setting. (SECM-3660)
- Resolved an issue where incorrect (Access Control Lists) ACLs were applied to documents archived using ECM services when ACLs with the same name were used in different tenants. (SECM-4036, SECM-4061, SECM-4063)
- Resolved an issue where the storage pool conditions were not used correctly in certain circumstances by ECM Services. (SECM-4074)
- Resolved an issue where loading documents larger than 2 GB using ECM Service failed and displayed an error. (SECM-4159)

Rich Client

- Resolved an issue where users failed to print PDF files from the result list using the Print option from the right-click menu. (SECM-3015)
- Resolved an issue where documents could not be printed to document tray using the 3-Heights TIFF Producer after a silent installation of Rich Client using PDF Tools. (SECM-3941)

- Resolved an issue where printing to tray using PDF Tools only displayed the first document when different documents with the same name and location were printed to the tray (For example, printing an email). (SECM-3983)
- Resolved an issue where the Rich Client of a specific window size failed to open a system form with many controls. (SECM-4020)
- Resolved an issue where using macro to render a file in TIFF format did not save the file in the destination directory when `RenderEngine=SNOWBOUNDLOCAL (ISYS)` is used. (SECM-4046)
- Resolved an issue where the `document.checkedby` COM call returned incorrect umlauts when unicode useradmin parameters are used. (SECM-4060)
- Resolved an issue where a query form with an embedded index form failed to work with lookup tables. (SECM-4086)
- The LDAP server settings can now be saved even if the connection test fails. (SECM-4101)

Web Client

- Resolved an issue where archiving of documents failed when formula was populated automatically in some multi-value fields based on another field with an assigned lookup table. (SECM-2523)
- Resolved an issue where Web Client only displayed the first page of a multi-page TIFF document if the document included a stamp and the DLO setting was changed from TRUE to FALSE. (SECM-2567)
- Resolved an issue where adding more than two values using a "|" separator to a multi-value field incorrectly modified the existing data. (SECM-3853)
- Resolved an issue where Web Client stored and displayed the date incorrectly when the date was inserted without the delimiters for some locales. Date needs to be provided either in ddMMyyyy or dd.MM.yyyy format for any locale. (SECM-3943)
- Resolved an issue where a multi-page TIFF document with the DLO=true setting does not change to `DLO=false` when edited. (SECM-4007)
- Resolved an issue where SAP Viewer failed to work when Hyland Viewer is set as the default viewer. (SECM-4026)
- Resolved an issue where Hyland Viewer failed to display documents that included the '%' symbol in the file name. (SECM-4099)
- Resolved a stability issue where the webclient setting `ForceSSO=true` resulted in a login loop that caused high CPU usage in the Tomcat process. (SECM-4171)
- Resolved a security vulnerability in the ZK Framework by upgrading from 8.6.4.1 to 8.6.4.2. (SECM-4181)

Core Server

- Resolved an issue where performing some actions logged "Function sequence error" warning message in the core server log. (SECM-1995)
- Resolved an issue where relocating from the buffer media does not evaluate the pool condition. This caused the relocated object to be written in the default pool. (SECM-2740)

- Resolved an issue where scanning S3 plugin media results in "error read" in the scan log file. (SECM-3600)
- Resolved an issue where macros from the incorrect tenant were executed when different macros with the same name existed for multiple tenants. (SECM-3980)
- Resolved an issue where the SCRIPT_NAME was missing from the error message that was logged in the RLink Server log file. (SECM-4089)
- Resolved an issue where buffer media entries were written to the default pool instead of the destination pool when the JavaCoreServer was restarted. (SECM-4130)

Classic Connector

- Resolved an issue where executing operations using InTransaction and applyBatch created a warning message. (SECM-2085)
- Resolved an issue where Classic Connector failed to load documents from a remote server media. The issue occurred when the SecurePRPC setting is enabled. (SECM-4027)

IXOS Connector

- Resolved a memory leak issue in Java Core Server that occurred when IXOS documents were loaded. (SECM-4215)

Storage

- Resolved an issue where documents could not be migrated from SQL Media database to another medium. (SECM-2252)

RLink

- Resolved an issue where print lists could not be archived from SAP. (SECM-4068)

SAP ILM

- Resolved an issue where the DDCs for SAP ILM were not included in the SAP ILM delivery package. (SECM-4193)

C# SDK

- Resolved an issue where the exception "System.Security.Authentication.AuthenticationException" was generated in C# SDK when the bearer token expired. (SECM-4121)

Patch level for version Foundation EP6-UP3 – December 19, 2022

This release includes the following patch version.

- Foundation EP6-UP3 (revision 46732)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 8 update 351, Oracle Java version 11.0.17, Oracle Java version 17.0.5, AdoptOpenJDK version 8 update 352, AdoptOpenJDK version 11.0.17, and AdoptOpenJDK 17.0.5.

For the Java version with which Saperion Foundation EP6 was tested for full compatibility, see the Saperion Technical Specifications.

Product enhancements

This release provides the following product enhancements.

ECM Services

- Improved the security of JAX-RS resources. (SECM-3610, SECM-3609)

Rich Client

- Removed the import user functionality in Rich Client and deprecated the `application.userImport` method in the COM API. (SECM-3815)

Web Client

- Users can now print documents from Hyland Viewer. Currently, from Hyland Viewer, annotations in image files can only be printed, which requires users to start the legacy server. (SECM-2865)
- Added the delete annotations functionality in the Hyland Viewer user interface. (SECM-2881)
- Upgraded Snowbound Viewer to version 5.9. (SECM-3102)
- Users can now download older revisions of documents from the revision history in Web Client. (SECM-3640)
- Hyland Viewer is now integrated with SAP Viewer. (SECM-3802)
- Upgraded jQuery version to 3.6.1. (SECM-3808)

Core Server

- Upgraded Document Filters to version 22.2. (SECM-3390)
- Upgraded the Oracle JDBC driver to version 21.7.0.0. (SECM-3926)
- Upgraded the Commons-Collections to version 3.2.2. (SECM-3928)

RLink

- Improved log file monitoring by including critical information in a single row of the log file. (SECM-2522)
- In case of an error, the request URL is now logged to the RLink Server.log file. (SECM-3829)
- Added a setting that now prevents deletion of a SAP component from a SAP document, if the document structure, where the SAP document resides, is under retention. For this, in the `archieff.ini` file, under `[RLink]`, add the setting `InheritRetentionFromStructure=TRUE`. (SECM-3873)

SAP ILM

- SAP ILM now adds tenant login for basic authentication. (SECM-3052)
- SAP ILM now includes a document cache which is active by default. (SECM-3884)

Updates

This patch includes the following updates.

Installer

- Resolved an issue where installation of PDF Tools failed during the silent feature installation of Saperion. (SECM-3597)

ECM Services

- Resolved an issue where documents could not be edited using the ECM service when the authenticated fullname of the user was longer than 129 characters. The issue occurred when the SYSMODIFYUSER or the SYSCREATEUSER field was used in the DDC. After the change, the column names "SYSMODIFYUSER" and "SYSCREATEUSER" with datatype "char" is now of length 256 characters. For existing DDCs, you must open the definition designer and save it to apply these database changes. (SECM-3037)
- Resolved a security issue in the ECM services. (SECM-3791)

Rich Client

- Resolved an issue where starting a macro as a module user in a single tenant legacy server resulted in an error if SecurePRPC was used. (SECM-3816)
- Resolved an issue where the unwanted text, "Developer Maven", was displayed as the release version information. (SECM-3858)

Web Client

- Resolved an issue where linked documents in Saperion could not be uploaded to ShareBase and OneDrive. (SECM-2907)
- Resolved an issue where a document opened from Web Client could be viewed in another tab when the document link is copied, even after the user is logged out of Web Client. (SECM-3290)
- Resolved an issue where the user could not add multi-line text in Sticky Notes from Hyland Viewer. (SECM-3456)
- Resolved an issue where TIF documents appear skewed in Hyland Viewer. (SECM-3726)
- Resolved an issue where archived files could not be downloaded as PDF using the Chrome browser when "Print documents as PDF files" option was selected. (SECM-3843)
- Resolved an issue where records are not exported correctly in CSV format if a record to be exported contained empty fields. (SECM-3857)
- Resolved an issue where the logoff event with SAML2 authentication was not recorded in the user audit log. The issue occurred when the user logged off using Classic Connector. (SECM-3865)

- Resolved an issue where Hyland Viewer displayed the latest version of the archived file even if an older version was selected from the revision history. (SECM-3870)
- Resolved an issue where an error was added to the Web Client log file when documents with annotations were being loaded to the Hyland Viewer. The issue occurred when the legacy server was not available. (SECM-3919)

Core Server

- Resolved an issue where some objects were moved to the error queue when the objects were written to the container media, because the object validation failed. (SECM-3014)
- Resolved an issue where an error message was added twice to the log files when there was no space in the media, which prompted the creation of a new media. (SECM-3048)
- Resolved an issue where volume IDs greater than 2147483647 resulted in an error. The issue is resolved by changing the datatype for the column name "VOLUMEUID" in the XMEDIADBS table from `int` to `float`. (SECM-3308)
- Resolved an issue where the information provided in the Current.Status file could not be updated. (SECM-3683)
- Resolved an issue where an increase in the database pool due to higher system load caused some ODBC threads to be in the waiting state indefinitely. (SECM-3740)
- Resolved an issue where HTML emails are sent as plain text if the HTML closing tag was in upper case in the email template. (SECM-3845)
- Resolved a security vulnerability in the Apache commons-text library. (SECM-3902)

Classic Connector

- Resolved an issue where an HQL query displayed all the results though the number of results to be displayed was specified in the `setMaxresults()` parameter. (SECM-3832)

IXOS Connector

- Resolved an issue where SAP failed to load IXOS documents when the objects were removed from the ReadCache by performing a shrink task. (SECM-3364)

RLink

- Resolved an issue where RLink returned a HTTP return code 201 (successfully created) instead of HTTP return code 500 when it created corrupt documents. The issue occurred when the value of the Content-Length field in the header was greater than the real data in the request. (SECM-2068)
- Resolved an issue where administrators failed to identify impacted AppServers from the log files while troubleshooting because adequate information regarding the certificates sent to the SAPERION RLink Content Server Configuration was not available. (SECM-2254)
- Resolved an issue where multipage TIFF documents that were archived with the setting `docloadoriginal=false` failed to display. (SECM-3680)
- Resolved an issue where archiving a defective image from SAP displayed a HTTP 500 error without any other details, which made it difficult to identify the cause of the error and troubleshoot it. (SECM-3756)

- Resolved an issue where documents that did not include an appropriate content type in the response failed to open in the normal PDF reader. The issue occurred when format rule was used in the DDC. (SECM-3831)
- Resolved an issue where the tenant specific events, such as the archiving events, were not executed in R/Link server context. (SECM-3896)

SAP ILM

- Resolved an issue where a Delete or Get request for a collection failed when the path did not include "/" at the end. (SECM-3632)
- Resolved an issue where duplicate substrings were added to the document URL in the HTTP collection response when the DDC mapping feature (ddc_mapping.xml) was enabled. (SECM-3905)

Patch level for version Foundation EP6-UP2 – September 09, 2022

This release includes the following patch version.

- Foundation EP6-UP2 (revision 46597)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 8 update 341, Oracle Java version 11.0.16, Oracle Java version 17.0.4, AdoptOpenJDK version 8 update 345, AdoptOpenJDK version 11.0.16, and AdoptOpenJDK 17.0.4.

For the Java version with which Saperion Foundation EP6 was tested for full compatibility, see the Saperion Technical Specifications.

Product enhancements

This release provides the following product enhancements.

ECM Services

- Added a functionality that now enables users to track tasks that include reminders. (SECM-3066)
- Added a functionality that now enables users to track escalated tasks. (SECM-3067)
- Added a functionality that now enables users to track all workflows that are owned by the logged in user. (SECM-3068)
- Updated the Spring Framework to version 5.3.22. You must add the parameters `encrypt=true` and `trustServerCertificate=true` to the `<url>jdbc:sqlserver://127.0.0.1:1433;instanceName=MSSQLSERVER;database=usermanagement;` setting in the `dataSourcesConfiguration.xml` file to ensure that the ECM services work correctly. (SECM-3659)

Web Client

- Introduced the `max.members` property in the `saperion.properties` file that enables users to define the maximum number of members that can be retrieved from a group. The default value of this parameter is set to 1000. (SECM-3024)
- Saperion can now be configured to prevent download of specified file types that can hide malicious code. (SECM-3256)
- Updated the Hyland Viewer to version 4.2.1. (SECM-3377)
- Improved "Relogin with SSO" button behavior when OpenId is used. (SECM-3757)

Core Server

- Improved the ODBC logging by modifying log terms and log messages for better analysis and understanding. (SECM-3641)
- Improved memory handling in the Java Native Interface (JNI). (SECM-3642)

RLink

- The order for RLink logging is now changed to action, returncode and duration instead of action, duration and returncode. For example, "NOTICE RLink RLHTTP.HTTPRequest: 127.0.0.1 get 78 200 doc20230719175018_2122042253 Y2" is now "NOTICE RLink RLHTTP.HTTPRequest: 127.0.0.1 get 200 78 doc20230719175018_2122042253 Y2". (SECM-3641)

SAP ILM

- Introduced a new setting in the configuration file to reset the value of the `CompulsoryDestructionDate` parameter to today if the value assigned to it was a past date. (SECM-3179)
- Improved the performance of SAP ILM service. (SECM-3246)

Updates

This patch includes the following updates.

ECM Services

- Resolved an issue where the API documentation for ECM service did not work without an Internet connection. (SECM-2229)
- Resolved an issue where old documents, without the SYSROW ID, could not be retrieved using the Document ID or Revision ID. (SECM-3034)
- Resolved an issue where a document update failed when the database table contained a unique index for any field. (SECM-3248)
- Resolved an issue where ECM Service failed to recognize any admin licenses. (SECM-3299)
- Resolved an issue where the render service failed to render documents in the CSV or GIF format. (SECM-3310)
- Resolved an issue where the C# SDK for ECM Service failed to parse the datetime or date fields if null value was associated to the fields. (SECM-3354)

- Resolved a software vulnerability in the jackson-databind library by upgrading it to the latest version. (SECM-3375)
- Resolved an issue where used licenses in ECM Service could not be released. (SECM-3408)
- Resolved an issue where old documents (archived without xrevise entry) could not be accessed using the `GET /archive/documents/{archiveId}/content` command. (SECM-3606)

Rich Client

- Resolved an issue where archiving documents using the drag and drop feature did not work if the file name included special characters. (SECM-3296)
- Resolved an issue where efiles, which included semicolon in the efile name, did not appear in the efile navigation tree in Rich Client. (SECM-3435)

Web Client

- Resolved an issue where changing the language to Finnish or Swedish in Web Client failed to change the calendar correctly. (SECM-3235)
- Resolved an issue where opening a Web Client query mask with a mashup displayed an error. (SECM-3300)
- Resolved an issue where content in the Word, PDF, Excel, or PPT files could not be copied using Hyland Viewer. (SECM-3462)
- Resolved an issue where Swedish text, which included special characters, did not appear correctly in the Saperion user interface. (SECM-3604)
- Resolved an issue where Web Client failed to display files in the result list if the SYSFILENAMES field contained invalid characters. (SECM-3643)
- Resolved an issue where clicking on the "Print" button on Web Client failed to print the displayed document. (SECM-3650)
- Resolved security vulnerabilities in Web Client. (SECM-3682)
- Resolved an issue where an error occurred while authenticating Viewer.zul using OpenIDConnect. (SECM-3708)

Core Server

- Resolved an issue where performing a full text search returned an error if the user was assigned to many groups. (SECM-2527)
- Resolved an issue where allowed commands of a profile could not be converted correctly while migrating users in Oracle. (SECM-3138)
- Resolved an issue where a Integration Server related warning message was displayed during the Java Core Server startup. (SECM-3361)
- Resolved an issue where long database statements caused memory leak in Java Core Server. (SECM-3369)
- Resolved an issue where an error occurred in Java Core Server while storing a new document using Classic Connector. (SECM-3623)

- Resolved a security vulnerability in the Commons-configuration2-2.x.jar file by upgrading it to version 2.8.0. (SECM-3627)
- Resolved an issue where notices in German language, in the Prpcdll.ini file, were not available in English. (SECM-3639)

Workflow

- Resolved an issue where umlauts and other language specific special characters did not appear correctly in the "Executor" column of the workflow history. (SECM-2190)
- Resolved an issue where the escalation tasks in Workflow failed to process notification tasks. (SECM-3086)

Classic Connector

- Resolved an issue where user audit log did not work when SAML authentication was used to log in via Classic Connector. (SECM-2073)
- Resolved an issue where performing a search with umlauts did not return any result. This issue also impacted Soap Webservices. (SECM-3307)
- Resolved an issue where the `readDocument()` method in Classic Connector failed to return document annotations even if the `withAnnotations` parameter was set to `true`. (SECM-3649)

Integration Server

- Resolved an issue by upgrading the Apache Groovy related libraries in the Integration Server. (SECM-3687)

RLink

- Resolved an issue where Rlink attempted to switch to Saperion core server from the failover server before the core server restart was complete, which resulted in multiple error logs in the core server log file. (SECM-3267)
- Resolved an issue where removing a deactivated certificate from a content repository changed the activation status of the certificate that appeared in place of the removed certificate. (SECM-3595)

Plugins

- Resolved an intermittent issue where loading documents from consolidated plugin media failed if setting `ConsolidationLocalDefault=TRUE` was activated. (SECM-3134)
- Introduced a new setting for the NetApp plugin to disable remapping of retention dates. For additional information, refer to the [Administration System > Plug-Ins > NetApp > Configuration to disable remapping of retention dates](#) topic in the Saperion online help. (SECM-3374)

Webservices

- Resolved an issue where the REST service query authentication for a web service request failed if the tenant was not provided in the request URL. (SECM-3410)

Patch level for version Foundation EP6-UP1 – June 09, 2022

This release includes the following patch version.

- Foundation EP6-UP1 (revision 15166)

This release provides the following updates.

Supported Java version

This patch level includes basic testing with Oracle Java version 8 update 331, Oracle Java version 11.0.15, Oracle Java version 17.0.3, AdoptOpenJDK version 8 update 322, AdoptOpenJDK version 11.0.15, and AdoptOpenJDK 17.0.3.

For the Java version with which Saperion Foundation EP6 was tested for full compatibility, see the Saperion Technical Specifications.

Product enhancements

This release provides the following product enhancements.

Installer

- Removed the Import driver from the Saperion delivery package. (SECM-2017)
- Removed the old Outlook installer "SAOI3-All-In-One.msi" from the Saperion delivery package. (SECM-2023)

Web Client

- The logout.zul file is removed from the Saperion Web Client. (SECM-2050)

Core Server

- Upgraded the spring libraries affected with the CVE-2022-22950/63/65 security vulnerabilities. (SECM-3257)

Updates

This patch includes the following updates.

ECM Services

- Resolved an issue where executing some API requests, such as GET documentID or RevisionID, caused an exception when the document was archived in a DDC that included an audit table, for which the SYSROWID system field was enabled. (SECM-2076)
- Resolved an issue where inserting the value of a lookup table field in an audit table returned an error when the ECMS API executed a GET document request. (SECM-2700)
- Resolved an issue where a GET/documents/documentId request for a multipage TIF file, with DLO=true setting, returned the entire document for every page. (SECM-3002)

- Resolved an issue where executing the "POST /rendition/{extension}" request from the Render service API caused an error while trying to render documents with extensions PBM, PGM, PPM, XML, and HTML. (SECM-3026)
- Resolved an issue where the ECM service failed to extract records of revisions for which the value of the OBJECTSIZE parameter was set to NULL. (SECM-3027)
- Resolved an issue where the ECM service failed to read or update documents for which there were no entry in the XREVISION table. (SECM-3114, SECM-3121)
- Resolved an issue where creating ACL rights caused an error. (SECM-3137)

Rich Client

- Resolved an issue where the export file of a document, exported by the Rich Client, contained metadata in different encoding formats. The issue occurred when there were documents in different encoding formats in your archive. However, if you want to implement the old behavior, in the Rich Client Export function set [Compatibility] CSFExportAlwaysAnsi=FALSE ; default value is TRUE. (SECM-2080)
- Resolved an issue where starting the client initiated the import of documents listed in the example81.CSS and example81nlg.css files and generated an error, even if example scenario was not selected during Rich Client installation. (SECM-2248)
- Resolved an issue where the query mask preview failed to display a PDF file if the file name contained umlauts. (SECM-2795)
- Resolved an issue where application files could not be viewed in Rich Client using the external viewer. (SECM-3035)
- Resolved an issue where many error logs were added to the log file when logging in to Web Client using SAML 2.0 failed due to expiry of authentication token. (SECM-3274)

Web Client

- Resolved an issue where filter conditions stopped working in Oracle systems. (SECM-3167)
- Resolved an issue where the file path of the embedded images in a mask were visible in an HTTP request. (SECM-3170)
- Resolved a security vulnerability related to authentication in Hyland Viewer. (SECM-3177)
- Resolved an issue where an error occurred while opening a mask with currency field if you logged in to Web Client using OpenID Connect and the browser's language in the language settings was set to English (without second language suffix, for example, en-US). (SECM-3237)
- Resolved an issue where the document preview was not available while uploading document from Web Client. (SECM-3279)
- Resolved an issue where reindexing a document manually in Web Client caused an error. (SECM-3401)
- Resolved an issue where the index mask in Web Client failed to display the entire value of the unicode textretrieval field. (SECM-3404)

Core Server

- Resolved an issue where an error was added to the core server log file when there were more than 200 entries in the read queue of the read cache. (SECM-2056)
- Resolved a security vulnerability in the SMTP authentication process. (SECM-2065)
- Resolved the ODBC issue "Numeric value out of range" for table XMEDIADBS which occurs if the Saperion server has a media larger than 128 GB. The issue was resolved by changing the datatype for the column name "BLOCKCOUNT" in the XMEDIADBS table from `int` to `float`. (SECM-2186)
- Resolved the log4j security vulnerabilities by upgrading the log4j libraries. (SECM-3030)
- Resolved a denial-of-service issue where the XS_USER_GROUP or XS_GROUP_GROUP table included more than 200 reference entries for a user or group object. (SECM-3047)
- Resolved an issue where it was not possible to set the same time for disposition and retention. (SECM-3053)
- Resolved an issue where the Java Core Server stopped responding when a document, which included a multi-value string field value with more than one ASCII extended character, was loaded using ECMS. (SECM-3073)
- Resolved an issue where retention time could be set longer than disposition time. (SECM-3091)
- Resolved an issue where Java Core Server stopped working during startup when the failover server requested media information. This occurred when there were distributed media in the system. (SECM-3092)
- Resolved an intermittent issue where autoformat in Java Core Server created follow-up plugin media with duplicate names but different UIDs. (SECM-3104)
- Resolved an issue where fields added to a DDC did not reflect in the database until the server was restarted. (SECM-3125)
- Resolved an issue where the dbinitSession parameter of default DSN was used for multiple datasources when Java Core Server used more than one datasource with different nls_sorts for each of the datasources. The new datasource parameter <dbInitSession> is available in the dataSourcesConfiguration.xml in the [Drive:]<InstallationFolder>\Application\scr\scr-javacoreserver\config directory. Existing parameters from the [ApplicationServer] section will be migrated. (SECM-3163)
- Resolved an issue where incorrect table name was used in Oracle systems when DDC name was longer than 30 characters. (SECM-3261)
- Resolved an issue where loading documents into empty readcache failed when the setting "UsePluginFromMediaDB" was set to false. (SECM-3322)

Workflow

- Resolved an intermittent issue where workflow items could not be forwarded manually or by using a macro. (SECM-3023)
- Resolved an issue where workflow emails with mail format "html-links" were not sent. (SECM-3094)

Classic Connector

- Resolved an issue where documents encrypted by providers other than the SAPERION Cryptographic Provider could not be accessed using Classic Connector. (SECM-2067)

- Resolved an issue where a prolong retention with Classic Connector added a Dirbase error message in the core server log file. (SECM-3090)

Integration Server

- Resolved an issue where sending event to Integration Server failed when a document was archived or updated using the ECM service. (SECM-2957)

RLink

- Resolved an intermittent issue where some R3*.tmp files were not deleted from the temp directory until the RLink server was restarted. (SECM-3001)
- Resolved an issue where RLink displayed an error message if a create request contained multipart boundary delimiters longer than fifty characters. (SECM-3032)
- Resolved an issue where a Get request for empty description of an ALF Document (Print List) returned http status code 500. (SECM-3280)

COM API

- Resolved an issue where the mask.loadtemplate and mask.savetemplate calls stopped working if the mask included a variable field. (SECM-2064)
- COM API can now be used to export the complete workflow history. For more information, refer to action code 21 and action code 26 in Saperion online help > Workflow > Workflow API topic. (SECM-2858)