

# Saperion

## Release Notes

Version: Foundation EP2

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## Overview

This guide contains information about product enhancements and updates in the Saperion Foundation EP2 product. Product enhancements list additional functionality available for your system. Updates list known corrections to your Saperion Foundation EP2 system.

## Saperion Foundation EP2 Release [*June, 2020*]

This release includes the following version.

- Saperion Foundation EP2

### Product enhancements

This release provides the following product enhancements.

#### ECM Services

- Doc Filters is updated to version 11.4.17. (SE-1585 )
- Using the ECMS Client API, you can now access the system fields of documents in a query. (SE-1005)
- JWT authentication token validation respects a small time difference in a distributed system. (SE-1556)
- Provided a .net SDK for ECM service that now enables users to build their own solutions to integrate with ECM service. (SE-1533)
- Saperion now supports end-to-end HTTPS communication between ECM Service and the load balancer. (SE-1765)

#### Rich Client

- The change password feature now requires users to set a password that does not match with the last six consecutive passwords. (SE-974)
- Saperion can now use the Hyland skin. (SE-1908)

#### Web Client

- The Web Client now supports Hyland Viewer. (SE-1756)
- The Email link that is sent when you use the "Send Email as Link" functionality in Web Client, now includes tenant ID. (SE-1971)
- Saperion Web Client is now integrated with Sharebase. (SE-1854)
- Added a functionality that now allows users to switch viewers in Web Client's viewer.zul. (SE-1918)

#### 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)
- Improved security of Java Core Server by including strong ciphers to the ciphersuite list for TLS version 1.2. (SE-1972)

## Business Rule Server

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

## LDAP

- Microsoft is now the default LDAP-SDK. This change in configuration is to support the upcoming Microsoft update that makes the LDAP channel binding and LDAP signing features mandatory. (SE-1649)

## Rlink

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

## Plugins

- Saperion now supports virtual-hosted model instead of path-style model for Amazon S3 Plugin. (SE-1673)
- Saperion supports "Instance profile" authentication mechanism between Saperion installed in specific system on AWS cloud and AWS S3 bucket. (SE-1300)

## User Management

- OpenID Connect now supports JWKS feature. Improved security by storing "state" in Browser cookie and evaluating "nonces" values. (SE-1742)

## C# SDK

- Strengthened and enhanced the C# SDK. (SE-1921, SE-1818, SE-1817, SE-1783, SE-1775, SE-1633, SE-1675, SE-1651, SE-1569)

## 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 ECM Services are not working with Oracle versions higher than 12. (SE-1427)

- 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 retention data could not be added to a document while archiving it using ECM service. (SE-1619)
- Resolved an issue where the "UserType.Reference" 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 Rich Client Viewer could not be closed in edit mode after editing multipage TIFF documents. (SE-1249)
- Resolved an issue where user required to click the log-in window to start typing. (SE-1257)
- 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 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 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 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-1380)
- 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 are 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 entry to the Retrieval table failed after OCR point and shoot when Oracle fulltext is used. (SE-1620)
- Resolved an issue where editing an 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 the Web Client did not reflect the changes in the page order of a multipage TIFF document, which were added in Rich Client with the setting DLO=TRUE. (SE-1656)
- Resolved an issue where Web Client stopped responding when "Send email as Link" option was selected. (SE-1976)
- 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 downloading a ZIP file of the structure using a webservicelink failed if the link did not include "filename" parameter. (SE-1670)
- 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 duplicate logs of the "Delete" event were added to the Audit table when the document was deleted using Web Client. (SE-1317)

- Resolved an issue where SAML2 login failed, because evaluation of the SAMLResponse was not RFC-2045 compliant. (SE-1570)
- Resolved an issue where the CPU usage increased substantially when Web Client displayed specific PDF files. (SE-1486)
- Resolved a security vulnerability that enabled a Query user to access the list of all users. (SE-992)

## Core Server

- Resolved an issue where a wrong error returncode, "retAddStorePlugInFailed", was logged in the CoreServer log. The correct value is "retParsAccessDenied". (SE-1961)
- 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)
- Resolved an issue where MMC or JavaCoreServer crashes when users with long fullname, with more than 50 characters are logged in via CC (JNA logon). (SE-1896)
- 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 the database password appeared unencrypted in a system file after the Saperion server was installed. (SE-1467)

## Workflow

- Resolved an issue that displayed an error message when the user tried to open the history of a notification from the workflow inbox after the workflow was finished and deleted using an escalation task. (SE-1406)
- Resolved an issue where workflow failed to process documents archived with grid values. (SE-1228)

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

- 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 a shared SQL medium of size larger than 128 GB failed to initialize after the Java Core Server was restarted. (SE-1938)
- 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)
- "Instance profile" is now the authentication method between Saperion and AWS S3 bucket. (SE-1300)
- Resolved an issue where information related to media could not be added to the "xmediadbs" table when the blockcount is higher than max value of datatype integer. (SE-1667)

## 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 Saperion failed to respond to information requested by SAP for some documents archived using SAP document management. The issue occurred when the compid sent by SAP included leading and trailing spaces. (SE-890)
- Introduced a setting that now allows Rlink to store documents with ComponentId in their file name. (SE-719)
- Resolved an issue where Rlink stopped responding when an HTTP request was initiated through an incorrect link. (SE-1389)

## 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)

## 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 the web services log did not include adequate information for troubleshooting. (SE-1410)

## 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 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)