



Secude



HaloSHARE

HaloSHARE 3.0

Release Notes

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1. Introduction

This release notes offer brief, high-level descriptions of the new features of HaloSHARE. We recommend looking through these release notes before installing HaloSHARE to understand any current limitations or bugs that apply to this version of the software.

2. Product Description

Secude's HaloSHARE streamlines and secures your internal and external business operations by simplifying bulk file management with classification, labeling, encryption, and digital watermarking. HaloSHARE extends Microsoft Purview Information Protection (MIP) to CAD, MS Office files, and non-office formats, such as text and PDF files stored in shared folders, encrypting sensitive data with customizable sensitivity labels that can be tracked, revoked, and set to expire.

3. System Requirements

The following system requirements table specifies the minimum and recommended technical specifications, such as software and network resources, necessary to run the product.

Components	Details
Operating System	<ol style="list-style-type: none"> 1. Supported in Microsoft Windows Server 2022 and above. Note: HaloSHARE can also run on a Windows client machine, but it is recommended to run it on a server system. 2. Requires .NET Framework 4.6.2 and above. 3. Latest Windows system updates installed.
MPIP Label protection-specific requirements	
Office 365 Subscription	<ol style="list-style-type: none"> 1. An Azure subscription is required to use Azure RMS and the MPIP functionality. 2. A working Microsoft Entra ID service must be available. 3. Microsoft Purview Information Protection must be fully configured. 4. HaloSHARE creates an outbound network communication with Microsoft Azure Services. 5. TLS 1.2 or higher must be enabled to ensure the use of cryptographically secure protocols. 6. Register an application to get the Application (client) ID and Tenant ID in the Azure portal. 7. Refer to the below table "Recommended URLs, Addresses, and Ports for MPIP" to know about the service endpoints.
Supported file types	<ol style="list-style-type: none"> 1. File types that will be included when adding asterisk symbol (*) are .dwg, .dxf, .ipt, .iam, .idw, .ipn, .rvt, .rfa, .prt, .asm, .drw, .frm, .mfg, .sec, .lay, .par, .dft, .eps, .emn, .emp, .psm, .jtt, .sldprt, .sldasm, .slddrw, .slddrt, .dgn, .step, .ige, .iges, .neu, .log, .3dm, .3ds, .acis, .amf, .catpart, .catproduct, .cgr,

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Components	Details
	<p>.dae, .dwf, .easm, .fcstd, .g, .gcode, .gltf, .glb, .icd, .igs, .iv, .model, .obj, .pic, .plmxml, .sat, .smt, .stl, .stp, .ste, .stpz, .tcw, .u3d, .unv, .usdz, .vda, .pvz, .qif, .wrl, .x_b, .x_t, .xaml, .z3, and .zip.</p> <p>2. Creo file formats with iteration: .prt, .asm, .sec, .frm, .drw, .lay, .cem, .mfg, .neu, .log, and .pvz.</p> <p>3. Microsoft Office and non-office file formats.</p>
Watermark specific requirements	
Files supported for watermarking	.pdf, .docx, .xlsx, .pptx, .dwg, .rvt, and .ifc.
Supported CAD application for watermark	<ol style="list-style-type: none"> 1. AutoCAD 2023, 2024, 2025 2. Revit 2023, 2024, 2025
Application for viewing protected and watermarked files	<ol style="list-style-type: none"> 1. HaloCAD Add-on for CAD application. 2. To view metadata in a Revit application, you need to install the RevitLookup tool.

Requirements

Recommended URLs, Addresses, and Ports for MPIP

MIP SDK doesn't support the use of authenticated proxies. So, make sure you set the Microsoft 365 service endpoints to bypass the proxy. View a list of endpoints at [Microsoft Online Documentation](#).

However, Microsoft recommends the following:

Addresses	Ports
<p>*.protection.outlook.com</p> <p>40.92.0.0/15, 40.107.0.0/16, 52.100.0.0/14, 52.238.78.88/32, 104.47.0.0/17, 2a01:111:f403::/48</p>	TCP 443

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Addresses	Ports
*.aadrm.com, *.azurerms.com, *.informationprotection.azure.com, ecn.dev.virtualearth.net, informationprotection.hosting.portal .azure.net, *.office.com (add substrate.office.com if you don't want to add all sub-domains), crl3.digicert.com, crl4.digicert.com.	TCP 443, 80
For event logging *.events.data.microsoft.com	TCP 443
National Cloud	Microsoft Entra ID authentication endpoint
Microsoft Entra ID for the US Government	https://login.microsoftonline.us
Microsoft Entra ID (global service)	https://login.microsoftonline.com

Recommended endpoints

Secude License Manager

To communicate with Secude License Manager, the following URL and port must be whitelisted in the customer's proxy:

Address	Port
License API - api.licensespring.com	TCP 443

Recommended license manager endpoint

4. Code Quality and Security

Secude focuses on software quality and security. This is accomplished by adhering to and exceeding best practices in development, testing, and quality control. Secude has chosen SonarQube as the first building block for building and implementing a robust continuous code quality assurance (QA).

SonarQube is a platform for static code analysis for continuous inspection of code quality. It performs automatic reviews of code to detect bugs, code smells, unit test coverage, and security issues in 29 programming languages.

SonarQube is utilized throughout the development process at Secude and only the highest marks are accepted for a product to be released. It helps to regulate code quality from the beginning of development, find and repair issues promptly, and improve overall software stability.

Each build report can be found under its relevant version heading in this release notes.

Reliability Rating

- A = 0 Bugs
- B = at least 1 Minor Bug
- C = at least 1 Major Bug
- D = at least 1 Critical Bug
- E = at least 1 Blocker Bug

Security Rating

- A = 0 Vulnerabilities
- B = at least 1 Minor Vulnerability
- C = at least 1 Major Vulnerability
- D = at least 1 Critical Vulnerability
- E = at least 1 Blocker Vulnerability

Security Review Rating

The Security Review Rating is a letter grade based on the percentage of Reviewed (Fixed or Safe) Security Hotspots.

- A = $\geq 80\%$
- B = $\geq 70\%$ and $<80\%$
- C = $\geq 50\%$ and $<70\%$
- D = $\geq 30\%$ and $<50\%$
- E = $< 30\%$

Maintainability Rating

A=0-0.05, B=0.06-0.1, C=0.11-0.20, D=0.21-0.5, E=0.51-1

The Maintainability Rating scale can be alternately stated by saying that if the outstanding remediation cost is:

- $\leq 5\%$ of the time that has already gone into the application, the rating is A
- between 6 to 10% the rating is a B
- between 11 to 20% the rating is a C
- between 21 to 50% the rating is a D
- anything over 50% is an E

5. Build 3.0

5.1. New Features

This section highlights the new features in the current release.

1. Support for watermarking sensitive files has been added, ensuring that documents in Microsoft Office and PDF are uniquely marked, providing enhanced security and ownership recognition that can be customized to your needs.
2. Supports adding custom properties to improve file security and contextual awareness.
3. Sign the document seamlessly in the background while keeping the custom properties and watermark intact.
4. Support for watermarking CAD files such as DWG, RVT, and IFC. HSHARE-185, HSHARE-224
5. Support for 3D DWG files with watermarks. HSHARE-222

5.2. Limitation

This section lists the limitations of the current release.

1. A digitally signed PDF cannot be encrypted. This is due to the limitation that the MIP SDK does not support a signed PDF for encryption. Thus, HaloSHARE applies watermark visuals to a file when it is no longer eligible for encryption via the MIP SDK. HSHARE-285
2. HaloSHARE cannot watermark any file type that is password-protected. For example, an XLSX worksheet with a protected sheet or a PDF is password-protected.
3. By default, HaloSHARE-watermarked text appears diagonally on a file, however, the Revit application does not allow diagonal watermarking, therefore, the watermark is displayed horizontally.
4. HaloSHARE supports watermarking in CAD applications; however, as CAD applications do not have a built-in watermark feature, the watermark text will only be visible when a CAD add-on like HaloCAD is used. In this case, we recommend installing the HaloCAD Add-on on a separate system that is not running HaloSHARE. HSHARE-293
5. Many enterprises enforce a Group Policy Objects (GPO) that requires all outbound internet traffic routed through a proxy server. These proxy settings need to be used by both the MIP SDK and the MSAL library for MPIP authentication and functionalities. To use proxy settings for the MSAL library, we need to set the `msal_proxy_address` in `HKEY_LOCAL_MACHINE\SOFTWARE\Secude\HaloSHARE`. If the above does not work for service-running users, in such cases, set the registry keys `ProxyServer` and `ProxyEnable` in `HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Internet Settings`. For

more information, refer to the Proxy Configuration section of the Installation and Configuration Manual. HSHARE-307

5.3. Fixed Issues

There are no major issues resolved in the current release to list.

5.4. Known Issues

There are no known issues to list.

5.5. Quality Gate Report

Please see the table below for a list of SonarQube's key parameters for this version. Refer to the "[Code Quality and Security](#)" section for more information on rating definitions.

Metric	Value
Coverage	81.4%
Maintainability Rating	A
Reliability Rating	A
Security Hotspots Reviewed	A
Security Rating	A

Quality Gate report



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About Secude

Secude, a Microsoft and SAP Partner, is a global leader for Zero Trust Data-centric security and Enterprise Digital Rights Management (EDRM) solutions.

For more than 25 years Secude has been trusted by many Fortune 500 and DAX-listed companies for architecting, implementing, and protecting their data. Our data-centric security professionals apply their passion and deep domain expertise to provide a holistic approach to protect priceless Intellectual Property (IP) in CAD & SAP based collaborations and supply chains.

With branches in Europe, North America and Asia, Secude supports customers with the implementation of IT security strategies through a global network.