



**HaloCAD**

HaloCAD Add-on for Revit

Release Notes

Version 2.4

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# 1. Introduction

The release notes provide brief and high-level descriptions of the new features of HaloCAD. Before installing HaloCAD, it is recommended to read the release notes to understand any current limitations or bugs that may apply to this version of the software.

## 2. Product Description

HaloCAD acts as the guardian of your CAD files by automatically protecting them with Microsoft Purview Information Protection (MPIP) labels whenever they leave your secure IT perimeter. As a plug-in for CAD applications, HaloCAD offers access to MPIP-protected files, including label handling and privilege enforcement. CAD users will not notice any differences in the handling of CAD files because protection takes place in the background. By seamlessly attaching MPIP labels to the CAD files while they are being created, it provides end-to-end security for those files.

### 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
Supported Operating Systems	Windows 11 or above with updates installed.
Supported file types	<ol style="list-style-type: none"> <li>Native file types: .rvt, .rfa, and .rte</li> <li>Export file types: .dwg, .pdf, .dwt, .dwt, .ifc, .dxf, .sat, .stl, .obj, .fbx, .tga, .bmp, .jpeg, .jpg, .png, .tif, .dgn, .xml, .step, .stp, .gif, .avi, and .stpz</li> <li>Import files type: .dwg, .dxf, .sat, .ifc, .step, .stp, and .stpz</li> </ol>

#### Requirements

#### Supported Autodesk applications for HaloCAD Add-ons

You are currently viewing the release notes for the current build. For previous versions, please refer to their respective release notes.

CAD applications	HaloCAD Add-on version
Revit 2024, 2025, 2026	2.3, 2.4
Revit 2023, 2024, 2025	2.1, 2.2
Revit 2022, 2023, 2024	2.0

#### Autodesk applications and HaloCAD Add-on version

## 4. Prerequisites

Before installing the add-on, ensure that the following prerequisites are met:

1. An application is registered with Microsoft Entra ID.
2. An active Office 365 subscription is available.
3. Access to the recommended URLs is enabled.
4. TLS 1.2 or later is enabled on all client workstations to ensure secure communication.

For more information, refer to the **Technical Reference Manual**.

## 5. 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

1. A = 0 Bugs
2. B = at least 1 Minor Bug
3. C = at least 1 Major Bug
4. D = at least 1 Critical Bug
5. E = at least 1 Blocker Bug

### Security Rating

1. A = 0 Vulnerabilities
2. B = at least 1 Minor Vulnerability
3. C = at least 1 Major Vulnerability
4. D = at least 1 Critical Vulnerability
5. 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.

1. A =  $\geq 80\%$
2. B =  $\geq 70\%$  and  $<80\%$
3. C =  $\geq 50\%$  and  $<70\%$
4. D =  $\geq 30\%$  and  $<50\%$
5. 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 alternatively stated by saying that if the outstanding remediation cost is:

1.  $\leq 5\%$  of the time that has already gone into the application, the rating is A
2. Between 6 to 10%, the rating is a B
3. Between 11 to 20%, the rating is a C
4. Between 21 to 50%, the rating is a D
5. Anything over 50% is an E

## 6. Build 2.4

### 6.1. New Features

There are no new features to highlight in this release.

### 6.2. Improvements

This section lists the improvements in the current release.

1. Added default values for silent command-line parameters. HCADRVT-169
2. Added support to display online documentation directly from the installer UI for both the standard and Reader add-on installers. When the **Online Help** button is clicked, the online documentation now opens in the user's default browser. HCADRVT-170
3. Improved token-sharing encryption and FIPS compatibility by ensuring proper OpenSSL FIPS context initialization and preventing failures in child processes during configuration decryption. HCADRVT-172
4. In previous releases, asterisks were used in MIP SDK logs to mask Personally Identifiable Information (PII), such as email names and IP addresses. This feature is now extended to HaloCAD logs to also mask information such as label name, label ID, engine ID, policy ID, and watermark text. HCADRVT-179

### 6.3. Fixed Issues

This section provides a list of the fixed issues in the current release.

1. Fixed an issue that prevented license deactivation during HaloCAD Add-on uninstallation, along with cache removal. HCADRVT-158
2. Fixed an issue where the application closed unexpectedly when saving to the Program Files folder with the add-on, without displaying an error message. HCADRVT-178
3. Fixed an issue where the exported PDF file was assigned an incorrect label. HCADRVT-177
4. Fixed an issue where a PDF file was generated or saved without **Export** permission. HCADRVT-182

### 6.4. Known Issues

This section describes the known issues with the current release.

1. When exporting a protected file using the **Show Rendering Dialog** option without the necessary export rights, the drawing is saved as a black screen. HCADRVT-41

2. When a protected PDF file is imported using **Link PDF/Import PDF**, it is not decrypted and is displayed as “Microsoft Azure Information Protection”. HCADRVT-84
3. When exporting from a Revit file, a protected image file is exported with a “.p” extension, such as .ppng, .pbmp, .ptif, or .pjpg. HCADRVT-85
4. When DKE files are available in recent documents and the DKE service is turned off, it takes longer to launch the Revit application and display the HaloCAD error restriction pop-up. HCADRVT-129
5. An incorrect HaloCAD error popup may appear when attempting to activate a license with only whitespace input. HCADRVT-184
6. Repeated “Revit” error popups may appear when exporting a protected file to PDF (**Print** → **PDF**) without export rights. HCADRVT-183

## 7. 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	85.6%
Maintainability Rating	A
Reliability Rating	A
Security Hotspots Reviewed	A
Security Rating	A

*Quality Gate report*



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## About Secude

Secude, a trusted Microsoft and Siemens Digital Industries Software partner, is a global leader in Zero Trust data protection and data governance.

Our solutions extend Microsoft Purview Information Protection (MPIP) to secure sensitive files—including CAD and PLM assets—from the moment of creation. By embedding persistent protection and access controls directly into design and engineering data, we help enterprises prevent Intellectual Property (IP) theft, data leakage, reputational damage, and compliance risks. With operations in Europe, North America, and Asia, Secude supports global manufacturers, defense contractors, and AEC firms in implementing robust IT security strategies across the product lifecycle and digital supply chain.