



HaloCAD

HaloCAD Add-on for Revit

Release Notes

Version 2.3

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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"> 1. Native file types: .rvt, .rfa, and .rte 2. Export file types: .dwg, .pdf, .dwf, .dxf, .ifc, .dxf, .sat, .stl, .obj, .fbx, .tga, .bmp, .jpeg, .jpg, .png, .tif, .dgn, .xml, .step, .stp, .gif, .avi, and .stpz 3. Import files type: .dwg, .dxf, .sat, .ifc, .step, .stp, and .stpz

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
Revit 2023, 2024, 2025	2.1, 2.2
Revit 2022, 2023, 2024	2.0
Revit 2020	1.1

Autodesk applications and HaloCAD Add-on version

4. Prerequisites

Before installing the add-on, ensure the following preparatory steps or conditions are met:

1. An application must be registered with Microsoft Entra ID.
2. An active Office 365 subscription is required.
3. Access to the recommended URLs must be available.

For additional information, please 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

- 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 alternatively 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

6. Build 2.3

6.1. New Features

This section highlights the new features in the current release.

1. Support for the Revit 2026 application.
2. Support for enabling the FIPS module has been added to both the installer UI and silent installation. When enabled, MPIP uses only FIPS-compliant encryption algorithms, and when disabled, it uses standard encryption algorithms. If this option was not enabled during installation, it can later be enabled through a registry entry. HCADRVT-162

6.2. Improvements

There are no improvements to mention in the current release.

6.3. Fixed Issues

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

Fixed an issue that prevented license deactivation during HaloCAD Add-on uninstallation, along with cache removal. HCADRVT-158

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 exporting from a Revit file, a protected image file is exported with a “.p” extension, such as .png, .bmp, .tif, or .jpg. HCADRVT-85
3. When a file is imported using the **Link PDF/Import PDF** option, the protected PDF file is not decrypted and appears as "Microsoft Azure Information Protection". HCADRVT-84
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

6.5. 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	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.