



HaloCAD

HaloCAD Add-on for Inventor

Release Notes

Version 2.3

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Contact

Secude Solutions AG
Landenbergstrasse 34
6005 Luzern
Switzerland
Tel: +41 41 510 70 70
Mail: info@secude.com

Support

Web: <https://support.secude.com>
Mail: support@secude.com

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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 outlines the minimum and recommended technical specifications, including software and network requirements, 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"> File types supported for Save and Open: .ipt, .iam, .idw, .ipn, .dwg, .iges, .igs, .ige, .step, .stp, .ste, .catpart, .catproduct, .glb, .gltf, .jt, .obj, .x_b, .x_t, .g, .neu, .sat, and .smt. File types supported for Export: .pdf, .pdf(3D), .bmp, .gif, .jpg, .png, .tiff, .dwf, .qif, .stl, .usdz, and .dwf (attach to mail).
Supporting application	To view the encrypted PDF files, install the latest version of Acrobat Reader DC / Acrobat DC.

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
Inventor 2024, 2025, 2026	2.3
Inventor 2023, 2024, 2025	2.1, 2.2
Inventor 2022, 2023, 2024	2.0
Inventor 2020, 2021, 2022, 2023, 2024	1.8

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

This chapter provides an overview of the updates and quality insights included in this release. It covers the fixed issues, improvements, limitations, new features, and known issues, along with a summary of SonarQube's key parameters to highlight code quality metrics and analysis results.

6.1. New Features

This section lists the new features in the current release.

1. Support for Inventor 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. HCADINV-691

6.2. Improvements

There are no improvements to mention in the current release.

6.3. Fixed Issues

This section lists the fixed issues in the current release.

1. Inventor 2023 support has been removed from this build. HCADINV-680
2. Fixed an issue that caused numerous HaloCAD restriction pop-ups to appear when attempting to open an Assembly file with View permissions in the Inventor Vault integration. HCADINV-686
3. Fixed an issue that prevented IGS from being imported into the Assembly file. HCADINV-688
4. Fixed an issue where watermark text could not be removed when applying the **No Protection** label to a watermarked file. HCADINV-690

6.4. Known Issues

This section lists the known issues in the current release.

1. It is possible to capture a preview of a protected file (with "view" only rights) using the **PrintScrn** and **Snipping** tool. HCADINV-108
2. An error message will appear as **Drawing file is not valid** when trying to import the protected DWG file by clicking the **Next** button in the DWG/DXF file wizard. HCADINV-402

3. When trying to open a protected file, the Inventor application enters the **Not Responding** state if the User cache with a Custom cloud type configuration is not accessible. HCADINV-452
4. When attempting to open a protected STL file, the design will not be displayed, and the file will be opened without protection. HCADINV-569
5. When a connected user with Edit/Co-Author permissions saves an Assembly file, the HaloCAD information window does not display, and the top-level Assembly file label is not applied to the newly imported unprotected dependent part file. HCADINV-629
6. The `enable_fips` registry flag stays set to true even after the **Enable FIPS Mode** option is unchecked in the installer. It does not revert to false. HCADINV-700

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	85.5 %
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.