Secude

HaloCAD

HaloCAD Add-on for Inventor

Release Notes

Version 2.5

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Table of Contents

1. **INTRODUCTION** 1
2. **PRODUCT DESCRIPTION** 2
3. **PREREQUISITES** 3
4. **SYSTEM REQUIREMENTS** 4
5. **CODE QUALITY AND SECURITY** 5
6. **BUILD 2.5** 7
   - 6.1. New Features 7
   - 6.2. Fixed Issues 7
   - 6.3. Known Issues 8
   - 6.4. Changes 8
   - 6.5. Unsupported Versions 8
7. **QUALITY GATE REPORT** 9

1. Introduction

The release notes provide a high-level overview of the new features, fixed issues, known issues, and prerequisites in HaloCAD Add-on for CAD. Before installing HaloCAD Add-on for CAD, review these release notes to understand any known limitations or issues that apply to this release.

2. Product Description

HaloCAD helps organizations protect CAD files by integrating with Microsoft Purview Information Protection (MPIP). It applies sensitivity labels to CAD files, helping safeguard intellectual property throughout its lifecycle. Protected files can be accessed only by authorized users with permissions defined by the applied sensitivity label.

3. Prerequisites

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

- Have an active Microsoft 365 subscription.
- Register an application with Microsoft Entra ID.
- Enable access to the required URLs.
- Enable TLS 1.2 or later on all client workstations to ensure secure communication.

Refer to the Technical Reference Manual for more information.

4. 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	1. File types supported for Save and Open: `.ipt`, `.iam`, `.idw`, `.ipn`, `.dwg`, `.iges`, `.igs`, `.ige`, `.step`, `.stpz`, `.stp`, `.ste`, `.catpart`, `.catproduct`, `.glb`, `.gltf`, `.jt`, `.obj`, `.x_b`, `.x_t`, `.g`, `.neu`, `.sat`, and `.smt`. 2. File types supported for Export: `.pdf`, `.pdf(3D)`,`.bmp`, `.gif`, `.jpg`, `.png`, `.tiff`, `.dwf`, `.qif`, `.stl`, `.usdz`, `.dwf` (attach to mail), `.jpeg`, `.tif`, `.dwfx`, `.wmv`, and `.avi`.
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 2025, 2026, 2027	2.5
Inventor 2024, 2025, 2026	2.3, 2.4
Inventor 2023, 2024, 2025	2.1

Autodesk applications and HaloCAD Add-on version

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 = >= 80%
2. B = >= 70% and <80%
3. C = >= 50% and <70%
4. D = >= 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. <=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 2.5

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.

Added support for Inventor 2027. HCADINV-752

6.2. Fixed Issues

This section lists the fixed issues in the current release.

1. Fixed an issue where an appropriate error message was not displayed when an unauthorized user opened a protected file. HCADINV-39
2. Fixed an issue where the label and protection status were not updated for successfully protected exported IGES and STEP files. HCADINV-731
3. Fixed an issue where Inventor crashed while saving large protected assembly files to Teamcenter during auxiliary file generation. HCADINV-741
4. Fixed an issue where a file remained unprotected after applying a label and saving. HCADINV-758
5. Fixed an issue where two HaloCAD restriction pop-ups were displayed when an unauthorized user selected a DWG file. HCADINV-767
6. Fixed an issue where the HaloCAD restriction pop-up did not display when an unauthorized user opened protected IGS, STP, or JT files. HCADINV-768
7. Fixed an issue where the configured label was removed and the Sensitivity ribbon displayed **Not Set** when exporting a protected file by using the **Extract iFeature** option. HCADINV-769
8. Fixed an issue where a protected file could be saved as an unprotected file by using the **Extract iFeature** option. HCADINV-770
9. Fixed an issue where **Unknown Status** was displayed for an IDW file downloaded through the Inventor–Vault integration. HCADINV-771
10. Fixed an issue where a CAD file could be exported when the user had only **View** and **Print** permissions. Although the HaloCAD warning was displayed, the exported file was still created after the user selected **OK**. HCADINV-774
11. Fixed an issue where the Sensitivity ribbon was not updated with the parent file label in a newly created assembly when using the **Create Mold Design** option. HCADINV-778

6.3. 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 **PrntScrn** and **Snipping** tool. HCADINV-108
2. An error message, “*Drawing file is not valid*," will appear when trying to import a 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

6.4. Changes

The HaloCAD Reader Add-on has been removed from this release. HaloCAD documentation no longer includes Reader-related content.

6.5. Unsupported Versions

Support for Inventor 2024 has been removed in this release.

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	85.5%
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.