



HaloCAD Add-on for Inventor 2.1
Release Notes

Copyright

© 2023-2024 Secude Solutions AG. All Rights Reserved.

This Secude-branded software and its corresponding documentation are the exclusive property of Secude Solutions AG of Luzern, Switzerland and are protected under the various copyright laws around the world and by various other intellectual property laws. The use of this software and/or its documentation and any copying thereof by end users is subject to the terms of a license agreement with Secude Solutions AG. The wrongful use or copying of this software and/or documentation subjects infringers to both criminal and civil liabilities.

ANY USE, COPYING, REPRODUCTION, ALTERATION, TRANSMISSION, OR TRANSLATION OF THESE MATERIALS, IN WHOLE OR IN PART, IN ANY FORM OR BY ANY MEANS, IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN PERMISSION OF SECUDE SOLUTIONS AG. IF THIS MATERIAL IS PROVIDED WITH SOFTWARE LICENSED BY SECUDE, THE INFORMATION HEREIN IS PROVIDED SUBJECT TO THE TERMS OF THE WARRANTY PROVIDED WITH THE PRODUCT LICENSE. IF THIS MATERIAL IS NOT PROVIDED WITH LICENSED SOFTWARE, THE INFORMATION HEREIN IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. IN EITHER CASE, THERE ARE NO OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, OR QUALITY. IN NO EVENT SHALL SECUDE SOLUTIONS AG OR ANY OF ITS AFFILIATES BE LIABLE FOR ANY DIRECT OR INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR EXEMPLARY DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE MATERIALS AND/OR INFORMATION CONTAINED HEREIN. Some jurisdictions do not allow the exclusion of implied warranties, so the above exclusion may not apply to you.

Secude Solutions AG takes reasonable measures to ensure the quality of the data and other information produced herein. However, these materials may contain technical inaccuracies or typographical errors, and are not guaranteed to be error-free. Information may be changed or updated without notice. Secude Solutions AG has no obligation to update these materials based on changes to its products or services or those of third parties. Secude Solutions AG may also make improvements or changes to the products or services described in this information at any time without notice. Secude Solutions AG frequently releases new versions and updates to its software, and therefore images shown in this document may be slightly different from what you see on screen.

As with any security product, Secude Solutions AG highly recommends the back up of data as well as passwords on a regular basis. Secude Solutions AG is not responsible for the loss of passwords or data that cannot be retrieved based upon a user's failure to adhere to stringent backup and safe-keeping conventions.

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

Table of Contents

1. INTRODUCTION	1
2. PRODUCT DESCRIPTION	2
3. SYSTEM REQUIREMENTS	3
4. PREREQUISITES	4
5. CODE QUALITY AND SECURITY	5
6. BUILD 2.1	7
6.1. New Features	7
6.2. Improvements	7
6.3. Fixed Issues	7
6.4. Known Issues	7
6.5. Quality Gate Report	8

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 they take 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 10, 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, .stpz, .stp, .ste, .catpart, .catproduct, .glb, .gltf, .jtt, .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 reading the current version of the release notes; however, if you are searching for a previous version, refer to the release notes for that version.

CAD applications	HaloCAD Add-on version
Inventor 2023, 2024, 2025	2.1
Inventor 2022, 2023, 2024	2.0
Inventor 2020, 2021, 2022, 2023, 2024	1.8
Inventor 2020, 2021, 2022, 2023	1.7
Inventor 2020, 2021, 2022	1.6
Inventor 2019	1.5

Autodesk applications and HaloCAD Add-on version

4. Prerequisites

The following preparatory steps or conditions must be met before installing the product.

The add-on requires the registration of an application with Microsoft Entra ID, an Office 365 subscription, and access to recommended URLs. 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 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

6. Build 2.1

6.1. New Features

This section lists the new features in the current release.

1. Implemented a new feature to include metadata (label only) into CAD files using the CAD SDK. HCADINV-618
2. Support for Inventor 2025. HCADINV-641

6.2. Improvements

This section lists the improvements in the current release.

Watermarking CAD files (assemblies, parts, and drawings) is now possible with the "label-only" MPIP label in this version. HCADINV-636

6.3. Fixed Issues

This section lists the fixed issues in the current release.

1. Fixed an issue that allowed the protected file design to be copied to an unprotected Drawing file via the **Replace Model Reference** option. HCADINV-608
2. The option to deactivate the license (via the Deactivate button) has been removed from the Status UI. HCADINV-620
3. Fixed an issue that caused the Inventor application to close when attempting to apply a label to an unprotected assembly file from a mapped network location, and also prevented the top-level assembly file from being labeled. HCADINV-626

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. The Inventor application will crash if you select the **Tutorial Gallery** option under the **Get started** menu in a protected file with edit rights. HCADINV-427

- 4. When trying to open a protected file, the Inventor application enters the **Not Responding** state if the User cache with Custom cloud type configuration is not accessible. HCADINV-452
- 5. When attempting to open a protected STL file, the design will not be displayed, and the file will be opened without protection. HCADINV-569
- 6. 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
- 7. A HaloCAD warning popup will display if you attempt to apply a newly created MPIP label to an unprotected file. HCADINV-652

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	84.9%
Maintainability Rating	A
Reliability Rating	A
Security Hotspots Reviewed	A
Security Rating	A

Quality Gate report



www.secude.com

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.