Secude

HaloCAD

HaloCAD for Viewers

Release Notes

Version 1.7

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Contact

Secude Solutions AG

Murbacherstrasse 19

6003 Luzern, Switzerland

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 for Viewers is a lightweight application designed to view HaloCAD-protected files in other CAD-Viewer applications with “View only” access to all users who have access to it. This application is useful for Suppliers or Partners who need to access HaloCAD-protected models or drawings in their environment.

3. 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**.

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. Creo: `.pvs`, `.pvz`, `.ed`, `.edz`, `.dwg`, `.dxf`, and `.step` 2. SolidEdge: `.dft` , `.jt`, and `.step` 3. AutoCAD: `.dwg` and `.dxf` 4. Teamcenter: `.jt` 5. Revit LT: `.rvt`, `.rfa`, and `.rte` 6. eDrawings: `.sldprt`, `.sldasm`, `.slddrw`, `.eprt`, `.easm`, `.edrw`, `.dwg`, `.dxf`, `.x_t`, `.x_b`, `.step`, and `.igs` 7. Siemens PADS Logic and Layout Viewer: `*.sch`, `*.pcb` Note: Extensions will be evaluated and added to the list in response to user requirements.

Requirements

Supported Viewer applications for HaloCAD for Viewers

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

Viewer applications (Any version of the 64-bit Viewer)	HaloCAD Add-on version
1. Teamcenter Visualization Base/Standard/Professional 2412, 2506, 2512, 2606 2. Teamcenter RAC 2412, 2506, 2512, 2606 3. Siemens Solid Edge 2D Drafting 2022, 2024, 2025 4. Creo View 11.0, 12.1, 13.0	1.7

Viewer applications (Any version of the 64-bit Viewer)	HaloCAD Add-on version
5. Autodesk AutoCAD LT 2024, 2025, 2026, 2027 6. Autodesk Revit LT 2026, 2027 7. eDrawings 2026 8. Siemens PADS Logic Viewer VX.2.17 9. Siemens PADS Layout Viewer VX.2.17	
1. Teamcenter Visualization Base/ Standard/Professional 12.0, 14.0 2. Teamcenter RAC Client 2312 3. Siemens Solid Edge 2D Drafting 2022, 2024, 2025 4. Creo View 9.1, 10.0, 11.0 5. AutoCAD LT 2024, 2025, 2026 6. Autodesk Revit LT 2026 7. eDrawings 2026	1.6
1. Teamcenter Visualization Base/ Standard/Professional 12.0, 14.0 2. Teamcenter RAC Client 12, 2312, 2406 3. Siemens Solid Edge 2D Drafting 2022, 2024, 2025 4. Creo View 9.1, 10.0, 11.0 5. AutoCAD LT 2024, 2025, 2026	1.5

Viewer 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 1.7

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 highlights the new features in the current release.

1. Added support for Siemens PADS Logic Viewer VX.2.17 and Siemens PADS Logic Layout Viewer VX.2.17. HCADV-363
2. Added support for Revit LT 2027. HCADV-402
3. Added support for Creo View 13.0. HCADV-414
4. Added support for Teamcenter Visualization Base, Standard, and Professional 2606. HCADV-424
5. Added support for AutoCAD LT 2027. HCADV-415
6. Added support for Teamcenter RAC 2606. HCADV-425

6.2. Improvements

This section lists the improvements in the current release.

Added a HaloCAD for Viewers warning pop-up when a user attempts to send a protected file using **File** > **Send** > **Representation by E-mail**. HCADV-353

6.3. Limitations

This section lists the limitations of the current release.

When a protected file (ED/EDZ/PVS/PVZ) with 'View' rights is exported using the **Save As** option, the export is blocked; however, a 0 KB file is still downloaded. HCADV-289

6.4. Fixed Issues

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

1. Fixed an issue where the protected IGS file failed to open and displayed a "*Failed to open document*" message. HCADV-51
2. Fixed an issue where the HaloCAD restriction pop-up appeared repeatedly. HCADV-144

3. Fixed an issue where a protected file could be exported as an unprotected PostScript (`.ps`) file using the **Export Image** option in Teamcenter Visualization Base. HCADV-185
4. Fixed an issue where screenshots of protected file designs could be captured from the **Print Preview** window. HCADV-299
5. Fixed an issue where the HaloCAD for Viewers information pop-up was not displayed when performing **Save** or **Save As** actions on a protected file. HCADV-407
6. Fixed an issue where the Drawings application crashed when opening a protected Solid Edge file. HCADV-409
7. Fixed an issue where a protected file could be downloaded as an unprotected PDF without displaying the HaloCAD for Viewers restriction pop-up. HCADV-422
8. Fixed an issue where a VFZ file was saved without protection when exported from a protected JT file using the **Save Session** and **Save Session As** options in Teamcenter Visualization. HCADV-310
9. Fixed an issue where protected files were exported without protection when using the **Print** option in the Solid Edge 2D Drafting application. HCADV-399
10. Fixed an issue where Teamcenter Visualization Base, Standard, or Professional closed when using the **Export Image** option. HCADV-421

6.5. Known Issues

This section describes the known issues with the current release.

1. It is not possible to open a protected DWG file in Creo View Express 7.0. HCADV-35
2. It is not possible to capture a screenshot of an unprotected file in Creo View Express, Solid Edge 2D Drafting, AutoCAD LT, or Teamcenter Visualization Viewer once HaloCAD for Viewers is initialized. HCADV-39
3. When you double-click or right-click to open a protected VDS file with the **SAP 3D Visual Enterprises Viewer** option, it does not open in SAP 3D Visual Enterprise Viewer. HCADV-46
4. When opening protected files, such as IGES or IGS, or when cloning an unprotected intermediate `.PAR` or `.VDS` files will be created. HCADV-48
5. Multiple times, the HaloCAD restricted message will appear while opening a protected file in Teamcenter Visualization Base and clicking on the option **Tool**-> **Home** button. HCADV-50
6. In Creo View Express 7.0, the application will close abruptly if the **Active Mail via E-Mail** option is selected. HCADV-54
7. While you double-click to open the protected file, an error message will appear as "*The file is not supported by Creo View*". HCADV-60

8. It is not possible to open the protected file in SAP 3D Visual Enterprise Viewers by anyone other than the user who installed HaloCAD. HCADV-66
9. AutoCAD LT application will crash while exporting the protected file in `.DGN` format. HCADV-69
10. When a Viewer application is installed in a way to start (run as) administrator, you may receive an error message "*Drawing file" is not valid* instead of the HALOCAD pop-up "*Protected files can be loaded*". This is because the HALOCAD for Viewers application did not load properly due to the lack of administrator privileges in the existing instance. HCADV-75
    Workaround: Close the existing HALOCAD for the Viewer instance and start the viewer with administrator privileges.
11. Protected JT files exported from NX 1953 and 1899 series will not open in Teamcenter Visualization Base 12.0. HCADV-87
12. It is not possible to open the protected Solid Edge file by double-clicking on it, and doing so would result in an error message from the Solid Edge 2D Drafting tool. HCADV-95
13. The protected AutoCAD file cannot be opened by double-clicking on it, and doing so will result in an error message from the AutoCAD LT 2020 application. HCADV-97
14. It is possible to take a screenshot or print a screen of the protected JT file from the JT preview window in the Teamcenter Embedded viewer application. HCADV-98
15. It is possible to export the protected file as unprotected from the Creo View application using the **Save Current View As** option. HCADV-160
16. Teamcenter Visualization Base, Standard, or Professional intermittently closes unexpectedly when using the **Export Image** option on a protected JT file. HCADV-426
17. It is possible to capture a screenshot of a protected file's design using the **Print Preview** option in the PADS Logic Viewer application. HCADV-427

6.6. Unsupported Versions

Support for the following versions has been removed in this release.

- Creo View 9.1 and 10.0
- Teamcenter Visualization Base/ Standard/Professional 12.0, 14.0
- Teamcenter RAC Client 2312

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	83.5%
Maintainability Rating	A*
Reliability Rating	A*
Security Hotspots Reviewed	A*
Security Rating	A*

Quality Gate report

Secude

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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.