



HaloCAD for Viewers 1.4
Release Notes

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Table of Contents

1. INTRODUCTION	1
2. PRODUCT DESCRIPTION	2
3. SYSTEM REQUIREMENTS	3
4. BUILD 1.4	6
4.1. New Features	6
4.2. Improvements.....	6
4.3. Fixed Issues	6
4.4. Known Issues.....	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 for Viewers is a lightweight application designed to view HaloCAD-protected files in other CAD-Viewer applications with "View only" access to all the 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. 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"> 1. Creo: .pvs, .pz, .ed, .edz, .dwg, .dxf, and .step 2. SolidEdge: .dft and .jt 3. AuotCAD: .dwg and .dxf 4. Teamcenter: .jt 5. SAP: .vds <p>Note: Extensions will be evaluated and added to the list in response to user requirements.</p>
Office 365 Subscription	<ol style="list-style-type: none"> 1. An Azure subscription is required to use Azure RMS and the MPIP functionality. 2. A working Microsoft Entra ID service must be available. 3. Use the same Application ID and Redirect URI which is used by HaloCAD Add-on for CAD. 4. TLS 1.2 or higher must be enabled to ensure the use of cryptographically secure protocols at all client workstations. 5. Audit logging: Your Azure subscription must include Log Analytics on the same tenant as Microsoft Entra ID.

Requirements

Recommended URLs, addresses, and ports for MPIP

MIP SDK doesn't support the use of authenticated proxies. So, make sure you set the Microsoft 365 endpoints to bypass the proxy. View a list of endpoints at "[Microsoft Online Documentation](#)". However, Microsoft recommends the following:

Addresses	Ports
*.protection.outlook.com	TCP 443

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Addresses	Ports
40.92.0.0/15, 40.107.0.0/16, 52.100.0.0/14, 52.238.78.88/32, 104.47.0.0/17, 2a01:111:f403::/48	
*.aadrm.com, *.azurerms.com, *.informationprotection.azure.com, ecn.dev.virtualearth.net, informationprotection.hosting.portal.a zure.net, *.office.com (add substrate.office.com if you don't want to add all sub-domains), crl3.digicert.com, crl4.digicert.com.	TCP 443, 80
For event logging *.events.data.microsoft.com	TCP 443
National Cloud	Microsoft Entra ID authentication endpoint
Microsoft Entra ID for the US Government	https://login.microsoftonline.us
Microsoft Entra ID (global service) For details on Microsoft Entra ID endpoints, please refer to " Microsoft Online Documentation ".	https://login.microsoftonline.com

Recommended endpoints

Supported Viewer applications for HaloCAD for Viewers

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.

Viewer applications (Any version of the 64-bit Viewer)	HaloCAD component version
1. Teamcenter RAC 2312, 2406 2. Teamcenter Visualization Base/ Standard/Professional 12.0, 14.0 3. Teamcenter Embedded Visualization 12.0	1.4

Viewer applications (Any version of the 64-bit Viewer)	HaloCAD component version
<ul style="list-style-type: none"> 4. Teamcenter RAC Client 12.0 5. Siemens Solid Edge 2D Drafting 2020, 2024, and 2025 6. Creo View Express 7.0 7. Creo View 8.0 8. Creo View Lite 7.0, 9.1, 10.0, and 11.0 9. AutoCAD LT 2020, 2023, 2024 and 2025 0. SAP 3D Viewer for only .VDS 9.x 	
<ul style="list-style-type: none"> 1. Teamcenter Visualization Base/ Standard/Professional 12.0, 14.0 2. Teamcenter Embedded Visualization 12.0 3. Teamcenter RAC Client 12.0 4. Siemens Solid Edge 2D Drafting 2020, 2024 5. Creo View Express 7.0 6. Creo View 8.0 7. Creo View Lite 7.0, 9.1, 10.0 and 11.0 8. AutoCAD LT 2020, 2023, 2024 and 2025 9. SAP 3D Viewer for only .VDS 9.x 	1.3

Viewer applications and HaloCAD Add-on version

4. Build 1.4

4.1. New Features

This section highlights the new features in the current release.

1. Support for secure HaloCAD for Viewers installation via encrypted JSON file (admin tool). This admin utility tool can write and encrypt data in an encrypted configuration file, including Azure application specifics (Application ID, Tenant ID, and Redirect URI), as well as Cloud type details, allowing only the HaloCAD installer to access the configuration file with the private key during the initialization process, effectively masking the Initialization screen from the user. Thus, the administrator can share this encrypted JSON file with internal/external parties without disclosing the original tenant details. HCADV-330
2. Support for Siemens Solid Edge 2D Drafting 2025.
3. Support has been added for Teamcenter Visualization 2406 and 2312 versions with an embedded RAC viewer. HCADV-343, HCADV-316

4.2. Improvements

This section lists improvements added to the current release.

Support has been added for masking or allowing clear text visibility of Personally Identifiable Information (PII) in the MIP SDK logs using the registry key `mipallowpii`. HCADV-331

4.3. Fixed Issues

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

1. Fixed an issue that caused the Solid Edge 2D Drafting program to crash when the OK button was clicked in the HaloCAD restriction pop-up while scrolling to the **Recent Documents** option from the quick access menu or the **Arrange & Show** option under the **View** tab. HCADV-122
2. Fixed an issue that caused the Teamcenter Visualization application to close while opening an unprotected or protected JT file when NVIDIA Quadro P2000 was enabled under **Display adapters**. HCADV-286
3. Fixed an issue that allowed the export of a protected PVS file from a protected `ed`, `edz`, `pvs`, or `pvz` file. HCADV-290
4. Fixed an issue that allowed protected native Creo files to be exported as unprotected files from the Creo View application after annotation via the **Save Current View As** option. HCADV-306

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5. Fixed an issue that allowed saving the PVS/PVZ file without protection in the specified location when exported from a protected STEP file using the **Save As** option. HCADV-309
6. Fixed an issue that caused the AutoCAD LT application to crash when exporting a protected file. HCADV-157
7. Fixed an issue that caused the protected DWG/DXF and PVS file to be saved as an unprotected file when exported to a different location using the **Save As** option. HCADV-217
8. Fixed an issue that allowed exporting the protected DWG/DXF/STEP files as unprotected PVS/PVZ files using the **Save As** option in the Creo View Lite 9.0 application. HCADV-274
9. Fixed a bug that caused the Solid Edge 2D Drafting application to go into the Not Responding state when opening a protected Solid Edge file via **File > Open**. HCADV-292

4.4. 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. It is possible to change and save a protected file in AutoCAD LT, while doing so, the label will be removed. HCADV-40
4. 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
5. When opening protected files like IGES or IGS or when cloning an unprotected intermediate .PAR or .VDS files will be created. HCADV-48
6. Multiple times the HaloCAD restricted will appear while opening a protected file in Teamcenter Visualization Base and clicking on the option **Tool-> Home** button. HCADV-50
7. A protected IGS file fails to open instead, a pop-up will display as **Failed to open document**, appears while opening it. Furthermore, the Teamcenter Visualization base application goes to the **Not Responding** state. HCADV-51
8. In Creo View Express 7.0 will close abruptly if the **Active Mail via E-Mail** option is selected. HCADV-54
9. AutoCAD LT application will crash when you open a file and click the **Shared Views** option under the Collaborate tab. HCADV-58
10. It is possible to copy images from a protected file in the Creo View Express/Lite application. HCADV-59
11. 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
12. 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
13. AutoCAD LT application will crash while exporting the protected file in .DGN format. HCADV-69
14. 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 Viewer application did not load properly because of the lack of administrator privilege in the existing instance. HCADV-75
Workaround: Close the existing HALOCAD for the Viewer instance and start the viewer with administrator privilege.

15. Protected JT files exported from NX 1953 and 1899 series will not open in Teamcenter Visualization Base 12.0. HCADV-87
16. By selecting **Save As** in Solid Edge 2D Drafting, it is possible to save a protected draft file without protection. HCADV-92
17. In Solid Edge 2D Drafting, it is possible to copy drawings from a protected draft file and save them as unprotected files. HCADV-94
18. 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
19. 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
20. 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
21. When opening an unprotected file in the same session in the same folder in Solid Edge 2D Drafting, the previously opened protected file will be displayed. HCADV-108
22. It is possible to export the protected file as unprotected from the Creo View application using the **Save Current View As** option. HCADV-160
23. The Creo View 9.1 application will crash if an unauthorized user attempts to open a protected file. HCADV-161
24. The Creo View application will crash when opening an unprotected EDZ file with HaloCAD for Viewers installed. HCADV-334



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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.