



HaloCAD for Teamcenter 2.6

Release Notes

Copyright

© 2024-2025 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. CODE QUALITY AND SECURITY	4
5. BUILD 2.6	6
5.1. New Features	6
5.2. Improvements	6
5.3. Limitation	6
5.4. Fixed Issues	6
5.5. Known Issues	7
5.6. 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 for PLM includes HaloCAD PROTECT and MONITOR capabilities, which actively monitor file access, upload, and download events while running in the background. During a file upload, HaloCAD evaluates if the file is already encrypted, and if so, it decrypts and then allows the file to be checked-in to the PLM Vault. In the event of a file access or download, the selected file is automatically protected. HaloCAD operates independently during the check-in and check-out process according to the rules established in the Classification Engine.

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 System	Windows Server 2022 and above
Supported file types	<ol style="list-style-type: none"> 1. NX file types 2. Creo file types 3. PDF 4. MS Office native file types
Other components	HaloENGINE and HaloENGINE Service

Requirements

Supported Teamcenter applications for HaloCAD

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.

Teamcenter applications	HaloCAD Component Version
<ol style="list-style-type: none"> 1. Teamcenter 14.x 2. Teamcenter 2312 	2.6
<ol style="list-style-type: none"> 1. Teamcenter 13.x, 14.x 2. Teamcenter 2312 	2.5
Teamcenter 11.x, 12.x, 13.x, 14.x	2.3, 2.4

Teamcenter applications and HaloCAD component version

4. 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

5. Build 2.6

5.1. New Features

This section highlights the new features in the current release.

Support custom attribute properties at the item revision level, with propagation to the associated item set. HCADTCR-525, HCADTCR-543

5.2. Improvements

This section lists improvements added to the current release.

With this release, the configuration tool now supports adding custom attributes. HCADTCR-532

5.3. Limitation

This section lists the limitations of the current release.

1. A text file downloaded from RAC is protected as expected. But if the Teamcenter server is set up with Windows encoding, such as cp-1252, then a text file downloaded from the client will be inserted with a Windows line break, causing the file to be corrupted and unreadable. Therefore, it is advised against protecting text files when such a setting is present in your Teamcenter server environment. Additionally, if a protected text file is downloaded and uploaded again into Teamcenter (via RAC), the file size is updated as "0". HCADTCR-88, HCADTCR-132
2. When HaloCAD is deployed in an environment, we recommend that the administrator restrict access to non-proxy URLs by using a firewall or other network application. This is because, as HaloCAD is a proxy, non-proxied actual URLs will also be accessible, leading to data leakage. Therefore, we recommend restricting access.

5.4. Fixed Issues

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

1. With this version, a file with a "label-only" MPIP label uploaded to PLM is stored following the metadata removal process. When the file is successfully downloaded, it is assigned a configured MPIP label with protection. HCADTCR-499
2. Fixed an issue that prevented MS Word files from being opened in the **Viewer** Tab of the Teamcenter Rich client application. HCADTCR-304

3. Teamcenter Creo Integration does not function properly with Creo 10 and Teamcenter 14 when combined with the HaloCAD Creo Add-on. Errors appear when you use the Open folder option.
4. Fixed an issue that prevented Teamcenter Creo Integration (Creo 10 and 14) from working properly when integrated with the HaloCAD Creo Add-on. HCADTCR-448
5. Fixed an issue that prevented image files from being decrypted while using MPIP Label-Only (no protection) in Remote mode. HCADTCR-513

5.5. Known Issues

This section describes the known issues with the current release.

1. If an Office file is downloaded, the file gets protected, but the extension changes. For example, `sample.docx > sample.doc`. HCADTCR-127
2. If a Non-CAD/Non-office file is downloaded, the file gets protected as per the rule configured in HaloENGINE but the extension is saved with native format (i.e., `.txt`, `.jpg`, `.bmp`) instead of `.ptxt` or `.pfile`. HCADTCR-35
3. Error message appears as **Network Error: Socket Timeout Exception** while downloading a large file from Teamcenter with HaloENGINE Service mode configured as **Remote**. HCADTCR-239
4. Error message appears as *"Error 1069: The Service did not start due to a logon failure"* when you start the HaloENGINE Service. This is because the user who is running the service or a specific group that the user belongs to (e.g., "Administrators") is added to the **Deny log on as a service** policy (**Local Security Policy > Security Settings > Local Policies > User Rights Assignment**). To prevent such an error, make sure the user(s) or the group that the user belongs to who runs the Service does not exist in the group policy.
5. It is possible to export an NX file without protection using the option **Export assembly from Teamcenter** in the NX application. HCADTCR-300
6. The deployment of an already installed HaloENGINE is not supported by the current installer. The next release will include a fix for this.

5.6. 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	87.6%
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.