



HaloCAD

HaloCAD for Autodesk Vault 2.5

Release Notes

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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 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 Windows Server	Windows Server 2016 and above
Supported file types	<ol style="list-style-type: none"> 1. AutoCAD file types 2. Inventor file types 3. PDF 4. MS Office native file types
Other components	HaloENGINE and HaloENGINE Service

Requirements

Supported Autodesk Vault versions for HaloCAD for Autodesk Vault

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.

Autodesk Vault versions	HaloCAD Component Version
<ol style="list-style-type: none"> 1. Autodesk Vault Professional Server 2023, 2024, 2025 2. Autodesk Vault Basic 2023 	2.5
<ol style="list-style-type: none"> 1. Autodesk Vault Professional Server 2022, 2023, 2024 2. Autodesk Vault Basic 2023 	2.4
<ol style="list-style-type: none"> 1. Autodesk Vault Professional Server 2020, 2021, 2022, 2023 2. Autodesk Vault Basic 2023 	2.3
Autodesk Vault Professional Server 2020, 2021, 2022	2.0, 2.1, 2.2
Autodesk Vault Professional Server 2020, 2021	1.0, 1.1

Autodesk Vault 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 statical 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 2.5

5.1. New Features

This section lists the new features in the current release.

1. Support for Autodesk Vault Professional Server 2025. HCADEVLT-390
2. HaloCAD for Autodesk Vault allows for failover connections between two HaloENGINEs. If the primary HaloENGINE fails, the secondary HaloENGINE takes over, minimizing downtime and ensuring continued functioning. This failover mechanism can be configured using the HALOCAD Config tool as well as the command line. HCADEVLT-421

5.2. Improvements

This section lists the improvements in the current release.

Support for configuring HaloCAD and HaloENGINE parameters using the command line. HCADEVLT-422

5.3. Fixed Issues

There are no fixed issues to list for this release.

5.4. Known Issues

This section lists the known issues in the current release.

1. Thin client Autodesk Vault Browser-based access is not supported. HCADEVLT-13
2. While using the **Share View** option to open a file, an error message will occur as **The remote server returned an error: (500) Internal server error** and the link does not get created. HCADEVLT-25
3. Intermittently, the protected file does not open with a double-click or a right-click. There will be an error message **File can't be opened in the application** or **The remote server returned an error (500) internal server Error**".
4. HaloENGINE Service ID will be displayed as the "Owner" of the document despite the email ID (Autodesk Vault login user) configured in the admin portal.
5. Error message appears as **Error 1069: The Service did not start due to a logon failure** when you start the HaloENGINE Tomcat 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.

5.5. 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	91.2%
Maintainability Rating	A*
Reliability Rating	A*
Security Hotspots Reviewed	A*
Security Rating	A*

Quality Gate report



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About Secude

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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.