



Aras 3D Visualization

12.0R4

Release Notes

Document #: 12.0R4.2022011801

Last Modified: 1/27/2022

Copyright Information

Copyright © 2022 Aras Corporation. All Rights Reserved.

Aras Corporation
100 Brickstone Square
Suite 100
Andover, MA 01810

Phone: 978-806-9400

Fax: 978-794-9826

E-mail: support@aras.com

Website: <https://www.aras.com>

Notice of Rights

Copyright © 2022 by Aras Corporation. This material may be distributed only subject to the terms and conditions set forth in the Open Publication License, V1.0 or later (the latest version is presently available at <http://www.opencontent.org/openpub/>).

Distribution of substantively modified versions of this document is prohibited without the explicit permission of the copyright holder.

Distribution of the work or derivative of the work in any standard (paper) book form for commercial purposes is prohibited unless prior permission is obtained from the copyright holder.

Aras Innovator, Aras, and the Aras Corp "A" logo are registered trademarks of Aras Corporation in the United States and other countries.

All other trademarks referenced herein are the property of their respective owners.

Notice of Liability

The information contained in this document is distributed on an "As Is" basis, without warranty of any kind, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose or a warranty of non-infringement. Aras shall have no liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in this document or by the software or hardware products described herein.

Table of Contents

Send Us Your Comments	4
Document Conventions	5
1 Platform Support Matrix.....	6
2 Enhancements, Bug Fixes, and Known Issues	7
2.1 Enhancements in Aras 3D Visualization 12.0R4	7
2.2 Issues Fixed in Aras 3D Visualization 12.0R4	7
2.3 Known Issues in Aras 3D Visualization 12.0R4	8

Send Us Your Comments

Aras Corporation welcomes your comments and suggestions on the quality and usefulness of this document. Your input is an important part of the information used for future revisions.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where and what level of detail?
- Are the examples correct? Do you need more examples?
- What features did you like most?

If you find any errors or have any other suggestions for improvement, indicate the document title, and the chapter, section, and page number (if available).

You can send comments to us in the following ways:

Email:

TechDocs@aras.com

Subject: Aras Product Documentation

Or,

Postal service:

Aras Corporation
100 Brickstone Square
Suite 100
Andover, MA 01810
Attention: Aras Technical Documentation

If you would like a reply, provide your name, email address, address, and telephone number.

If you have usage issues with the software, visit <https://www.aras.com/support>

Document Conventions

The following table highlights the document conventions used in the document:

Table 1: Document Conventions

Convention	Description
Bold	Emphasizes the names of menu items, dialog boxes, dialog box elements, and commands. Example: Click OK .
Code	Code examples appear in <code>courier</code> font. It may represent text you type or data you read.
Yellow highlight	Code highlighted in yellow draws attention to the code that is being indicated in the content.
Yellow highlight with red text	Red text highlighted in yellow indicates the code parameter that needs to be changed or replaced.
<i>Italics</i>	Reference to other documents.
Note:	Notes contain additional useful information.
Warning	Warnings contain important information. Pay special attention to information highlighted this way.
Successive menu choices	Successive menu choices may appear with a greater than sign (-->) between the items that you will select consecutively. Example: Navigate to File --> Save --> OK .

1 Platform Support Matrix

The following software versions are supported by Aras 3D Visualization 12.0R4:

Aras Innovator	12.0 SP18 12.0 SP17 12.0 SP16 12.0 SP15 12.0 SP14
-----------------------	---

Edge	
-------------	--

Firefox	68 ESR 78 ESR
----------------	------------------

Chrome	Chrome 89 (Minimum)
---------------	---------------------

Client OS	MS Windows – 10, 8.1 MAC – OS X 10.15 (Catalina)
------------------	---

Server OS	Windows Server 2019 Windows Server 2016 Windows Server 2012 R2 Windows Server 2012
------------------	---

.Net	4.7.2
-------------	-------

2 Enhancements, Bug Fixes, and Known Issues

2.1 Enhancements in Aras 3D Visualization 12.0R4

Expanded Support for CAD File Types

Now supports conversion of new Import CAD file versions:

- Autodesk Inventor 2022
- Creo-Pro/E Pro/Engineer 19.0 to Creo 8.0
- JT up to v10.5
- NX-Unigraphics V11.0 up to 1980 PRT
- Parasolid up to v33.1.

Please see the included documentation for a complete description of available supported file formats in [\HOOPS_Converter\Documentation\communicator_online_docs.html](#).

New Capabilities for setting Visibility, Restoring Saved Views, Multi-Select, and Instance Synchronization

The ability to hide/show components and restore the hide/show view state in a Saved View is now supported. The abilities to multi-select using CTRL + LMB as well as CTRL + LMB drag to 'select by area' can be used in the Dynamic Viewer.

2.2 Issues Fixed in Aras 3D Visualization 12.0R4

Issue #	Description
F-004548, F-005305	CAD converter now supports for Autodesk Inventor 2022, Creo 8.0, JT v10.5, NX1980, and Parasolid v33.1.
F-000738	The Dynamic Viewer now supports selective hide/show of 3D components.
F-003149	The Dynamic Viewer now supports Saved View restoration with visibility states for 3D components.
F-003296	The Dynamic Viewer now supports multi-select using CTRL+LMB in the TGV or Viewer.
F-004690	The Dynamic Viewer now supports configuration of instances through synchronization of combined rows in the Tree Grid View.
F-003305	The Dynamic Viewer now supports the ability to select by area using the CTRL+LMB drag.
I-012156	Fixed an issue in Chrome that could result in geometry being cut with incorrect offset when moving Cross-Section Plane around the Viewer tab.

2.3 Known Issues in Aras 3D Visualization 12.0R4

Issue #	Description	Workaround
IR-093149	After upgrading Aras Innovator to a newer service pack, Conversion Tasks fail with a message “The specified network password is not correct”	The error means \ConversionServer\AppData\Certificates\ConversionServer.pfx file has been incorrectly overwritten during the upgrade. Copy this file from the pre-upgrade copy of the Conversion Server and paste it into the upgraded one.
I-034521	After upgrading Aras Innovator to a newer service pack, Conversion Tasks fail with a message “Custom 'Aras CAD to PDF Converter' converter Type wasn't created.”	Reinstall Aras 3D Visualization
I-034528	After upgrading Aras Innovator to a newer service pack, when users attempt to view a CAD assembly in the dynamic viewer, they will get an Internal Server error that methodType parameter cannot be null.	Reinstall Aras 3D Visualization
I-034532	After upgrading Aras Innovator to a newer service pack, when users attempt to view any CAD item in the 3D Viewers, they will get a message that 3D Visualization is not installed.	Reinstall Aras 3D Visualization
IR-040677	When using Firefox, HWF files can fail to show the View tab.	
I-022139, IR-065800	If a user activates ‘Pick Plane’ from Cross Section dialog and then opens the View tab, they will see multiple copies of ‘Pick Plane’ instead of just one.	
I-010514	When using the Dynamic Viewer in Firefox 68 and opening and closing the Discussion Panel multiple times, the Viewer portion of the window might not resize properly until the window is refreshed.	

Issue #	Description	Workaround
I-020145	When loading the Dynamic Viewer in Firefox 68 for the first time, the toolbar will not display.	Issue reproduces for only the first-time load. Refreshing or reopening the window permanently resolves the problem.
I-029377	If "Execute Query on Opening Dynamic Viewer" is checked in Secure Social Preferences, users will initially see the Tree Grid View populate but the viewer will be empty when loading the Dynamic Viewer.	Use the manual refresh in the Tree Grid View Toolbar, and the Dynamic Viewer will populate.