Oracle® AutoVue

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Preface

The Oracle AutoVue line of products includes AutoVue for Agile PLM, AutoVue Client/Server Deployment, and AutoVue Desktop Deployment.

For the most up-to-date version of this document, go to the AutoVue Documentation Web site on the Oracle Technology Network (OTN) at http://www.oracle.com/technetwork/documentation/autovue-091442.html.

Audience

This document is intended for administrators and integrators of the Oracle AutoVue products.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Related Documents

For more information, see the following documents in the Oracle AutoVue documentation library:

- Oracle AutoVue for Agile PLM Installation and Configuration Guide
- Oracle AutoVue Client/Server Deployment Installation and Configuration Guide
- Oracle AutoVue Desktop Deployment Installation and Configuration Guide

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

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About Oracle AutoVue 21.0.0

This chapter includes important information about this release of Oracle AutoVue.

1.1 AutoVue Product Line

The Oracle AutoVue line of products includes AutoVue Client/Server Deployment, AutoVue for Agile PLM, and AutoVue Desktop Deployment.

1.1.1 AutoVue Client/Server Deployment

AutoVue Client/Server Deployment (CS) has AutoVue installed on a server, to which client machines connect to access and view documents. The Client/Server deployment provides a complete, open and standards-based set of integration tools that allows customers to tie AutoVue to any enterprise applications to provide users with a consistent view of data and business objects and expand workflow automation to document-based processes.

1.1.2 AutoVue for Agile PLM

Oracle AutoVue for Agile PLM is an Enterprise Visualization solution designed to provide viewing, digital annotation and collaboration capabilities to Agile PLM. Oracle AutoVue delivers visualization capabilities for many document types, including business documents such as Office and Graphics, as well as technical document types such as 2D/3D Computer Aided Design (CAD) and Electronic Design Automation (EDA). Hence, one of the main benefits of AutoVue for Agile PLM is that users can view numerous file types stored in Agile PLM without having the native application that created the file installed on their desktop machines. Another advantage of AutoVue for Agile PLM is that it decreases bandwidth requirements and improves response time through the use of streaming files. Streaming files contain file data and provide the benefit that AutoVue for Agile PLM can access the streaming files much faster than it can native files.

1.1.3 AutoVue Desktop Deployment

AutoVue Desktop Deployment (DD) is a solution for users that want to run AutoVue locally as a personal productivity tool on their individual desktops.

1.2 Application User License

- AutoVue includes a Desktop Deployment and a Client/Server Deployment. For Application User licensing metric (in the Component licensing model) or Custom Suite User licensing metric (in the Custom Applications Suite licensing model), a

single license cannot be split or shared between two users (e.g., one user using the AutoVue Desktop Deployment and a different user using the Client/Server Deployment would require two licenses).

- For the purposes of the following programs: Oracle AutoVue Office, Oracle AutoVue 2D Professional, Oracle AutoVue 3D Professional Advanced, Oracle AutoVue EDA Professional, Oracle AutoVue Electro-Mechanical Professional, Oracle AutoVue 2D Professional for Agile and Oracle AutoVue Electro-Mechanical Professional for Agile a user external to your company who participates in and attends an AutoVue Real-Time Collaboration session or AutoVue web conference, but neither initiates nor hosts it, is not required to be separately licensed. All users within your company must be licensed.
- Customers who wish to make use of Oracle's AutoVue Enterprise Visualization solutions within their Oracle Agile PLM environment must use the AutoVue for Agile visualization products, as they have been specifically designed to work with Oracle Agile PLM. The appropriate AutoVue for Agile visualization products can be downloaded from the Oracle Software Delivery Cloud under Oracle Agile Applications product packs.

1.3 System Requirements

This sections details system requirements for the Oracle AutoVue line of products and integrations.

1.3.1 Platforms

The following platforms are certified for AutoVue installation and/or hosting:

Table 1–1 Oracle-Certified Operating Systems

Platform	AutoVue for Agile PLM[1]	AutoVue Client/Server Deployment[1]	AutoVue Desktop Deployment
Windows Server 2012 R2, 2012—64-bit	x	x	
Windows Server 2008 R2—64-bit	x	x	
Windows 8.1, 8, 7, VISTA—64-bit			x
Oracle Linux 5.8 and up (x86), 6.X (x86), and 7.X (x86)[2] 64-bit (AutoVue running in 32-bit mode)	x	x	
Red Hat Enterprise Linux 5.8 and up (x86), 6.X (x86), and 7.X (x86)[2] 64-bit (AutoVue running in 32-bit mode)	x	x	

[1] The installation requires about 400MB of free space. Additional space will be required by AutoVue for storing other data such as streaming files and markups.

[2] AutoVue is supported on a 64-bit Linux operating systems (OS), but will run in 32-bit mode. All prerequisites libraries should be in 32 bit, with the exception of the X Windows base package (xorg-x11-server-Xorg) along with the Xvfb package xorg-x11-server-Xvfb. These should be the same architecture (64-bit) as the OS.

1.3.2 Client Platform

The following platforms are certified for the AutoVue client.

Table 1–2 Oracle-Certified Client Platforms

Platform	AutoVue for Agile PLM	AutoVue Client/Server Deployment
Windows OSes: Windows Vista— 64-bit Windows 7— 64-bit Windows 8— 64-bit Windows 8.1— 64-bit ■ Internet Explorer 9 ■ Internet Explorer 10 ■ Internet Explorer 11 ■ Firefox 31 ESR ■ Chrome	x	x
Apple OS X 10.10 ■ Safari 8.0[1] ■ Firefox ESR 31	x	x
Solaris 10 (Sparc) ■ Firefox ESR 31	x	x
Java Virtual Machine		
■ Java SE 7 update 45 and higher - 32-bit and 64-bit	x	x
■ Java SE 8 update 11 and higher - 32-bit and 64-bit	x	x

[1] When launching AutoVue from a Mac client, certain configurations may be required. For more information, refer to Oracle Support Document 1662405.1 (Getting Message "Select a temporary directory" When Printing With AutoVue) which can be found at: https://support.oracle.com/epmos/faces/DocumentDisplay?id=1662405.1

1.3.3 Integrations

The following integrations have been certified for this release of AutoVue.

Table 1–3 Oracle-Certified Integrations

Integrations	AutoVue for Agile PLM	AutoVue Client/Server Deployment
Agile PLM 9.3.5, 9.3.4, 9.3.3, and 9.3.2	x	

1.3.4 AutoVue for Agile PLM Integration Components

AutoVue for Agile PLM integration components can be installed on the following OSes:

- Oracle Solaris (SPARC and x64)
- Linux (Oracle, Red Hat Enterprise, SUSE)
- Microsoft Windows
- HP-UX Itanium

- IBM AIX (POWER)

For supported versions, refer to the "Agile Product Lifecycle Management Capacity Planning Guide" on OTN
http://www.oracle.com/technetwork/documentation/agile-085940.html

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What's New

This chapter lists the formats that are new to this release. It also lists the known issues that are applicable for this release.

2.1 General Enhancements

In an effort to continually improve AutoVue's performance and functionality the following general enhancements have been implemented:

- Enhanced opening of files from a ZIP file. Feedback is now given while a file is being extracted and processed for viewing. This provides users with a better indication of how long it takes to load the file.
- When the user double clicks a file from the list of the zipped file in AutoVue, the file will open in the same window. The user has to press the CTRL key and double click in order to open the file in a new window.
- Security improvements
- 3D file support:
  - Performance improvements when loading from native file and streaming file.
  - Improvements have been made to the Section fill plane. This provides a clearer indication of what parts of the section are filled in.
  - Mesh streaming improvements. Large meshes are split into smaller ones and will display in full resolution. This improves the rendering fidelity of models with large meshes.
  - 3D measurements are now done on client-side. This provides better performance for measurements on a heavily loaded server.
  - Default part or body color is now configurable by the user for all 3D formats. This allows the AutoVue display to more closely mimic the native application display.
  - PMI fidelity. The layout and positioning of the PMI entities align with the display of the native application. This allows users to better understand the intent of the CAD designer.
  - Overall, the fidelity of formats has been improved. For more information, refer to Section 2.2, "Format Enhancements."
- When working with multiple AutoVue windows, settings are shared between the multiple windows. Note that the changes only take effect when you create a new window.

- AutoVue now takes better advantage of a high performance network and speeds up the printing operations.

2.2 Format Enhancements

The section lists format enhancements.

2.2.1 MCAD Formats

- Enhancements for Creo Parametric:
  - Added support for Creo Parametric 3.0
  - Added support for Combined views for 3D files. AutoVue now applies Cut views and PMI visibility if stored in the Combined view. This allows the views from Creo Parametric documents to be represented more accurately.
- Enhancements for AutoDesk Inventor
  - Added support for AutoDesk Inventor 2015 and 2016
  - Added support for Inventor Views representations. They appear in the Views tab. This allows users to view all of the different designs present in the model.
- Enhancements for CATIA V5
  - Added support for CATIA V5-6R2013, V5-6R2014, and V5-6 R2015
  - Added support for piping entities.
  - Enhancement for color and visibility for various releases.
  - Enhancement for CGR mesh support.
- Enhancements for SolidEdge
  - Added support for SolidEdge ST7 and ST8
  - Enhancements for assembly-level features.
- Enhancements for SolidWorks
  - Added file formats for SolidWorks 2015 SP2 and above
  - Added support for SolidWorks 2016
  - Units are now properly reported. This provides better measurement support.
- Added support for Unigraphics NX 8.5, 9, and 10
- Added support for DirectModel (JT) 10

2.2.2 AEC Formats

- Enhancements for AutoCAD
  - Added support for AutoCAD 2015 and 2016
  - Added support for AutoCAD Mechanical 2D 2016
  - Better support for embedded TIFF images.
  - General bug fixes.

Note: The AutoVue for Agile customers are provided the following formats supported in the 21.0.0.1 patch within the 9.3.5 installer:

- AutoCAD 2016
- AutoCAD Mechanical 2-D 2016
- Autodesk Inventor 2016
- CATIA V5-6R2015
- SolidWorks 2015 SP2 and above for 2D files
- SolidWorks 2016[1]
- SolidEdge ST8

[1] To enable support for SolidWorks 2016 2D, customers need to download GA Patch 22518352 from ARU.

2.3 Documentation Updates

All the documents can be found under "AutoVue 21.0.0" on Oracle Technology Network (OTN) `http://www.oracle.com/technetwork/documentation/autovue-091442.html`.

- The following documents have been removed in this release:
  - ActiveX Migration Guide
  - ActiveX API Guide
  - Oracle AutoVue User Manual/Online Help (Japanese)
  - Oracle AutoVue Desktop Deployment Migration Guide
- The following documents have been consolidated:
  - Oracle AutoVue User Manual/Online Help: A single User Manual/Online Help now covers the usability features of AutoVue for Agile PLM, AutoVue Client/Server Deployment, and AutoVue Desktop Deployment. This manual is localized to English, French and German.
  - Oracle AutoVue Acknowledgments: A single Acknowledgments document now covers third-party software used by AutoVue for Agile PLM, AutoVue Client/Server Deployment, AutoVue Desktop Deployment, AutoVue Web Services and AutoVue Integration SDK.
  - Oracle AutoVue Release Notes: A single Release Notes covers the changes in terms of format enhancements or de-supported INI options or deprecated features of AutoVue for Agile PLM, AutoVue Client/Server Deployment, and AutoVue Desktop Deployment.

2.4 New jvueserver.properties Option

Following is the new option that can be set in jvueserver.properties file located in the <AutoVue Installation folder>\bin directory:

Table 2–1 New Streaming File Option

Parameter	Description	Default
jvueserver.metacache.zipfile.enable = [TRUE | FALSE]	Specifies whether to generate streaming files from ZIP files. If set to TRUE, then streaming files are generated. If set to FALSE, no streaming files are generated. Note: This option will only take effect when the jvueserver.metacache.enable option is set to TRUE. Only one streaming file is allowed for a ZIP file. It is recommended that this setting is left unmodified when the deployment is integrated with a DMS.	FALSE

Note: For more information about options, refer to the *Oracle AutoVue Installation and Configuration Guide*.

2.5 Deprecated INI Options

The following INI options have been deprecated in Release 21:

- PROESHOWHIDDENLINEDASHED
- PROELOADCOSMETICS
- PROE2DLOADPICTURE
- PROEBACKGROUNDCOLOR

2.6 De-supported INI Options

The following INI options have been de-supported:

- RESOLVERESOURCES
- USERXREFPATHS
- USERXFONTPATHS
- SESSIONXREFPATHS
- SESSIONXFONTPATHS
- XREFPATHS (Still supported for AutoVue Desktop Deployment)
- LOADFACETEDDATA
- MESHBUILDTOPOLOGY
- ENABLEIDENTICALPARTDETECTION
- 3DMASSPROP_MESH_BEHAVIOR
- 3DMASSPROP_SHEET_BEHAVIOR
- CATIAFILTERNOSHOWS
- CATIAFILTERNONROOT
- LOADCATIAWIRES
- CATIALOADPMI
- CATIA4SPLINEGEOMETRY

- CATIA5BUILDCGMSETS
- CATIA5BUILDINVISIBLECGMBODIES
- LOAD_ATTRIBUTES
- MINIMIZETREENODES
- CATIA5BUILDINTERMEDIATECGMBODIES
- IFCCOLORS_MODE
- IFCCOLOR
- IFCWINDOW_TRANSPARENCY
- IFCREADPROPERTIES
- IFCLOADINVISIBLESPACES
- IGESDETAILEDTREE
- IGESINVISIBLEPARTS
- IGESHIERARCHYCOLOR
- IGESFACEORIENTATION
- IGESSHOWALL
- IGESMULTIBYTE
- IGESLOADDRAFTFIRST
- IGESLOADSUBFIGUREDEFINITIONS
- IGES3DLAYERS
- INVENTOR_HIDE_CONSTRUCTION_GEOMETRY
- JTRESOLUTION
- PROELOADCOSMETICWIRES
- PROELOADPMIDATA
- PROEMASSPROPUSEMESH
- STEPDETAILEDTREE
- STEPFACEPOSITIVECOLOR
- SIGNOFF

2.7 De-supported File Formats/Versions

Oracle AutoVue has de-supported some file formats/versions, which had very limited usage and low demand from our customers. This will allow Oracle AutoVue to focus development efforts on formats which are most strategic to our customers. These formats are unsupported file formats/versions.

2.7.1 AEC Formats

- SmartSketch
  - It is recommended to convert to AutoCAD instead.

2.7.2 MCAD Formats

- AutoDesk Inventor IDV and IDE files.
  - AutoVue will continue to support AutoDesk Inventor IPT, IAM files, and IDW (2D drawing) files.
- AutoVue Assembly Format
  - It is recommended to convert to CATIA V5 or DirectModel (JT) assembly files (depending on whether the part files are CATIA or JT) instead.
- CoCreate Modeling / SolidDesigner / OneSpace Designer Modeling
  - It is recommended to convert to STEP instead.
- CATIA V4 2D
  - It is recommended to convert to CATIA V5 2D instead. CATIA V4 3D will continue to be supported.
- PLM XML
  - It is recommended to convert to DirectModel (JT) assembly files instead.
- Unigraphics NX 2D
  - It is recommended to convert to AutoCAD instead. Unigraphics NX 3D will continue to be supported.

2.8 Deprecated and De-supported Functionality

Oracle AutoVue will no longer support some of its functionalities which had very limited usage and low demand from our customers. This will allow Oracle AutoVue to focus development efforts on functionalities which are more important to our customers. The following functionalities are de-supported/deprecated in this release:

- AutoVue will no longer open 3D files (except for DWF files) with a missing or unsupported file extension.
- AutoVue will no longer automatically upload XREFs associated with a file you are opening from the local file system. It is required to upload a ZIP file that includes the base file and associated XREFs.

  Note: This only impacts files that are opened from a local disk. Files that are accessed through an integration to a repository are not affected.

- AutoVue no longer supports the USERNAME AutoVue applet parameter and associated getUserName() JVue API function. The recommendation is to either use system calls, use the user's local system name, or calls related to the document management system (DMS) in order to get the user's name from the DMS.
- The Markup Signoff backing image can no longer be specified. The associated SIGNOFF INI option has been deprecated.
- AutoVue no longer supports non-geometric Product Manufacturing Information (PMI). AutoVue will continue to support the following functionalities:
  - Coordinate system
  - Datum target

  - Dimension
  - Feature Control Frame
  - Line Weld
  - Note
- AutoVue no longer supports native fonts for all MCAD 3D formats. AutoVue will use a default TTF font if the user does not specify the substitute TTF using the ini option XFONTPATH.
- AutoVue no longer supports digital Mockup through the UI. Digital Mockup is still accessible programmatically.
- AutoVue no longer supports layers for 3D formats. The visibility of some parts or bodies will be different from the native application.
- The user can now set the default color for 3D files if the format does not set a default color (example: STL, STEP, IGES).
- AutoVue no longer supports incremental mesh streaming. The entire Mesh is now sent to the Client for viewing.
- The following application servers are no longer supported:
  - WebSphere 6.1 and up
  - Oracle Application Server 10g
- AutoVue no longer supports conversion for 3D file formats or 3D pages in a 2D format (Autocad, EDA - PCB, DWF) STL and Raster formats. It only converts 2D Vector and Raster data.

  Note: For Agile PLM versions 9.3.2, 9.3.3, and 9.3.4, 3D thumbnails are generated through MCAD connectors only.

- AutoVue does not display fillet welds for 3D files.
- AutoVue does not support AutoCAD 3D page view.
- Streaming file generation is deprecated in Release 21.0.0 only for AutoVue Desktop Deployment. It will be de-supported in future releases.

2.9 De-supported Platforms

The following platforms are de-supported:

- 32-bit versions of Windows XP, Vista, 7 and 8
- 64-bit versions for Windows XP and Windows 2008

2.10 Known Issues

For information on known issues, go to My Oracle Support (`http://support.oracle.com`) and then either browse the Knowledge Management (KM) notes under the Knowledge tab, or enter a query in the Search Knowledge Base field.

A
Feedback

If you have any questions or require support for AutoVue please contact your system administrator.

If at any time you have questions or concerns regarding AutoVue, please contact us.

A.1 General AutoVue Information

Web Site	http://www.oracle.com/us/products/applications/autovue/index.html
Blog	http://blogs.oracle.com/enterprisevisualization/

A.2 Oracle Customer Support

Web Site	http://www.oracle.com/support/index.html

A.3 My Oracle Support AutoVue Community

Web Site	https://communities.oracle.com/portal/server.pt

A.4 Sales Inquiries

E-mail	AutoVuesales_ww@oracle.com