

**Oracle® AutoVue**

Client/Server Deployment Release Notes

Release 21.1.0.2

**F86916-03**

July 2024

Oracle AutoVue Release Notes, Release 21.1.0.2

F86916-03

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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

<https://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

<https://www.oracle.com/us/corporate/accessibility/index.html>

### Access to Oracle Support

Oracle customers who have purchased support have access to electronic support through My Oracle support. For information, visit

<https://www.oracle.com/us/corporate/accessibility/support/index.html#info>  
or visit

<https://www.oracle.com/us/corporate/accessibility/support/index.html#trs> if you are hearing impaired.

## Related Documents

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

1. Oracle AutoVue Installation and Configuration Guide (Client/Server Deployment, Desktop Deployment, and AutoVue for Agile PLM)
2. Oracle AutoVue Viewing and Configuration Guide (Client/Server Deployment, Desktop Deployment, and AutoVue for Agile PLM)
3. Oracle AutoVue User Manual (Client/Server Deployment, Desktop Deployment, and AutoVue for Agile PLM)
4. Oracle AutoVue Security Guide
5. Oracle AutoVue Planning Guide
6. Oracle AutoVue Testing Guide

7. Oracle AutoVue Supported File Formats
8. Oracle AutoVue Product Variations
9. Oracle AutoVue Acknowledgments

## Conventions

The following text conventions are used in this document:

<b>Convention</b>	<b>Meaning</b>
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	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 21.1.0.2

This chapter provides important information about the 21.1.0.2 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

Oracle 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. AutoVue provides users with a consistent view of data and business objects and expanded 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

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

## 1.2 Application User License

1. Oracle 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).

2. For the purposes of the following programs: Oracle AutoVue Office, Oracle AutoVue 2D Professional, Oracle AutoVue 3D Professional Advanced, Oracle AutoVue 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.
3. Customers who wish to make use of Oracle's AutoVue Enterprise Visualization solutions within their Oracle Agile PLM environment must use the Oracle AutoVue for Agile visualization products, as they have been specifically designed to work with Oracle Agile PLM. The appropriate Oracle 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 Server Platforms

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

**Table 1–1 Oracle-Certified Operating Systems**

Platform	AutoVue for Agile PLM	AutoVue Client/Server Deployment <sup>1</sup>	AutoVue Desktop Deployment
Windows Server 2022—64-bit	x	x	
Windows Server 2019—64-bit	x	x	
Windows Server 2016—64-bit	x	x	
Oracle Linux 8.x <sup>2</sup> (x86_64) 64-bit	x	x	
Oracle Linux 7.X (x86_64) 64-bit	x	x	
Red Hat Enterprise Linux 8.x <sup>2</sup> (x86_64) 64-bit	x	x	
Red Hat Enterprise Linux 7.X (x86_64) 64-bit	x	x	

<sup>1</sup> 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.

<sup>2</sup> Update your system with the latest updates if there are issues in viewing of 3D files.

### 1.3.2 Client Platforms

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
<b>Windows OSes:</b> Windows 11— 64-bit Windows 10— 64-bit 1. Firefox ESR 115.11.0 <sup>1</sup> 2. Microsoft Edge 125 <sup>1</sup> 3. Chrome 122 <sup>1</sup>	x	x
<b>Apple Mac OS 14.3.1</b> 1. Safari 17.3.1 <sup>1</sup> 2. Safari 16.6.1 <sup>1</sup> 3. Firefox ESR 115.11.0 <sup>1</sup> <b>Apple Mac OS 13.6.4</b> 1. Safari 17.3.1 <sup>1</sup> 2. Safari 16.6.1 <sup>1</sup> 3. Firefox ESR 115.11.0 <sup>1</sup>	x	x
<b>Java Virtual Machine</b>		
1. Java SE 8 update 421 64-bit	x	x

<sup>1</sup> See the Oracle Software Web Browser Support Policy:  
<https://www.oracle.com/middleware/technologies/browser-policy.html>

### 1.3.3 Application Servers

The VueServlet has been certified on the following application servers:

**Table 1–3 Oracle-Certified Application Servers**

Platform	AutoVue for Agile PLM	AutoVue Client/Server Deployment
WebLogic 12cR2		x
Tomcat 8.5.100, 9.0.89 and 10.1.24 <b>Note:</b> If you are using Tomcat 10 to deploy VueServlet, add the following in conf\Catalina\localhost\VirtualStore.xml or conf\context.html: <pre>&lt;Context&gt; ... &lt;Loader jakartaConverter="TOMCAT" /&gt; &lt;/Context</pre>	x	x
Jetty 9.4.54		x

### 1.3.4 Integrations

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

**Table 1–4 Oracle-Certified Integrations**

<b>Integrations</b>	<b>AutoVue for Agile PLM</b>	<b>AutoVue Client/Server Deployment</b>
Agile PLM 9.3.6 (RUP 8 and later), and 9.3.5 (RUP 8 and later)	x	
Oracle Vuelink for WCC <sup>1</sup>		x

<sup>1</sup> New VueLink for UCM certifications made after this release of AutoVue are listed in Oracle Support Document 1383416.1 (Oracle AutoVue VueLink for UCM Certification Matrix) found at:  
<https://mosemp.us.oracle.com/epmos/faces/DocumentDisplay?id=1383416.1>

### 1.3.5 AutoVue for Agile PLM Integration Components

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

1. Oracle Solaris (SPARC64, x86-64)
2. Linux (Oracle, Red Hat Enterprise, SUSE)
3. Microsoft Windows
4. HP-UX Itanium
5. IBM AIX (POWER)

For supported versions, refer to the "Agile Product Lifecycle Management Capacity Planning Guide" on OTN

<https://www.oracle.com/technetwork/documentation/agile-085940.html>

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## What's New in 21.1.0.2

This chapter lists the major changes that have been introduced in Release 21.1.0.2 of Oracle AutoVue. In addition, this chapter also lists the new and upgraded formats for Releases 21.1.0.2. Known issues that are applicable for the release are provided.

### 2.1 Enhancements during 21.1.0.2 Release

This section outlines the information you need to know about the improved functionality of AutoVue during this release.

#### 2.1.1 Updates for R21.1.0.2

The updates for R21.1.0.2 includes the following:

- ⌘ General Enhancements
- ⌘ Format Enhancements

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**Note:** Customers need to download GA Patch BUG #36404018 from ARU.

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##### 2.1.1.1 General Enhancements

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

1. AutoVue server is certified with JRE 8u421 64Bit and up. Oracle recommends to always use the latest release of JRE 8 64Bit. Use the configuration option `javueserver.jre` in the `javueserver.properties` file to specify the full path to the Java 8 64Bit executable `javaw`.
2. The following third party libraries are upgraded for this release of AutoVue:
  - ⌘ Zlib 1.3.1
  - ⌘ Jetty 9.4.54
  - ⌘ Xerces 3.2.5

##### 2.1.1.2 Format Enhancements

###### AEC Formats

- ⌘ Added support for AutoCAD version 2025 files
- ⌘ Added support for AutoCAD Mechanical version 2025 files

### **MCAD Formats**

- Support for SolidWorks 2023 and 2024
- Support for Inventor 2024 and 2025
- Support for SolidEdge 2024
- Support for Revit 2025 (through conversion)
- Support for Catia V5-6 R2024 (R34)
- Support for Creo 11.0
- Support for Parasolid 36.0 and 36.1 files
- Support for Unigraphics NX 2312 series

### **Desktop/Office Formats**

- Fixed the printing feature for Microsoft Word and Microsoft Excel files

### **2.1.1.3 Desupported Formats**

The following is desupported in R21.1.0.2:

- Mentor BoardStation formats

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## What's New in 21.1.0.1

This chapter lists the major changes that have been introduced in Release 21.1.0.1 of Oracle AutoVue. In addition, this chapter also lists the new and upgraded formats for Releases 21.1.0.1. Known issues that are applicable for the release are provided.

### 3.1 Enhancements during 21.1.0.1 Release

This section outlines the information you need to know about the improved functionality of AutoVue during this release.

#### 3.1.1 Updates for R21.1.0.1

The updates for R21.1.0.1 includes the following:

- ⌘ General Enhancements
- ⌘ Format Enhancements

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**Note:** Customers need to download GA Patch BUG #36197137 from ARU.

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##### 3.1.1.1 General Enhancements

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

1. AutoVue server is certified with JRE 8u411 64Bit and up. Oracle recommends to always use the latest release of JRE 8 64Bit. Use the configuration option `javueserver.jre` in the `javueserver.properties` file to specify the full path to the Java 8 64Bit executable `javaw`.
2. Improved the `batchPrint.html` sample to include the printing of watermarks.
3. The following third party libraries are upgraded for this release of AutoVue:
  - ⌘ Log4j 2.22.1
  - ⌘ Zlib 1.3
  - ⌘ Libtiff 4.6.0
  - ⌘ Libpng 1.6.40
  - ⌘ Freetype 2.13.1
  - ⌘ Jackson 2.15.3
  - ⌘ Jetty 9.4.53
  - ⌘ Slf4j 2.0.10

- ⊠ Woodstox-core 6.5.1
- ⊠ Stax2-api 4.2.2

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**Note:** The slf4j-simple-2.0.6.jar has been updated to slf4j-simple-2.0.10.jar.

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### 3.1.1.2 Format Enhancements

#### AEC Formats

- ⊠ Added support for AutoCAD version 2024 files
- ⊠ Added support for AutoCAD Mechanical version 2024 files

#### Desktop/Office Formats

- ⊠ Improved support for PDF fonts

#### MCAD Formats

- ⊠ Support for AutoDesk Inventor version 2024 files.
- ⊠ CATIA V5-6R2023 (R33)
- ⊠ Support for Creo files version 10
- ⊠ Support for Revit 2024 (through conversion)
- ⊠ Support for Unigraphics NX-2212 and NX-2306 Series 3D files
- ⊠ Support for JT 10.9 files
- ⊠ Support for Parasolid 35.0 and 35.1 files
- ⊠ Improved support for Creo 2D files

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## What's New in 21.1.0

This chapter lists the major changes that have been introduced in Release 21.1.0 of Oracle AutoVue. In addition, this chapter also lists the new and upgraded formats for Releases 21.1.0. Known issues that are applicable for the release are provided.

### 4.1 Enhancements during 21.1.0 Release

This section outlines the information you need to know about the improved functionality of AutoVue during this release.

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**Note:** All format upgrades, enhancements, and bug fixes we did in 21.0.2 RUPs are included in 21.1.0. Most of the formats are included in this Release Notes.

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#### 4.1.1 Updates for R21.1.0

The updates for R21.1.0 includes the following:

- General Enhancements
- Format Enhancements

##### 4.1.1.1 General Enhancements

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

1. AutoVue server is certified with JRE 8u381 64Bit and up. Oracle recommends to always use the latest release of JRE 8 64Bit. Use the configuration option `javueserver.jre` in the `javueserver.properties` file to specify the full path to the Java 8 64Bit executable `javaw`.
2. AutoVue 21.1.0 is a 64-bit application.
3. The AutoVue Client is a Java application that can be started through the Java Web Start framework. This allows AutoVue to run in browsers that no longer support Java Applets. The user still needs to have the Java runtime environment installed, and the browser will then use the Java Web Start framework to launch the AutoVue client as a separate process that will communicate with the browser to get information such as what file to display.

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**Note:** Due to security vulnerabilities in browser plugins, which are used to support Java Applets, the Web browser vendors have been deprecating and removing plug-in capabilities to reduce the security risks for web based environments. As this occurs, the pre-21.0.1 AutoVue Client became unusable. As an alternative to Java Applet for release 21.0.1, AutoVue client is now launched using the Web Start technology. The AutoVue client as applet is being desupported in 21.1.0.

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4. Added support for a web client. AutoVue server 21.1.0 can now communicate with both Java and web clients. The web client supports only 3D formats except for DWF3D.
5. Support for the following application servers:
  - Tomcat: 8.5.94, 9.0.81 and 10.1.14
  - Jetty 9.4.51
  - Weblogic 12cR2
6. Support for Windows server 2019.
7. Support for Windows 11 on client side.
8. Support for Windows Server 2022.
9. Support for Linux 8.
10. Removed the bundled JRE with AutoVue. You can specify the version of JRE 8 64-bit that you want to use with the AutoVue server during the installation of AutoVue. It is highly recommended to use the latest available version of Oracle JRE 8 64-bit.
11. For Linux, Wine 4.0.4 has to be installed.
12. AutoVue has a new client parameter - Frameposition. With this parameter, you can set the frame position and size of the AutoVue client frame in the format "origin.x,origin.y,width,height".
13. Improved the error logging in AutoVue.
14. Removed DEFAULTMESHRESOLUTION from the user interface.
15. WebServices and ISKD media are delivered as zipped packages in 21.1.0:
  - The name for the WebServices media is AutoVue\_Web\_Services.zip
  - The name of the ISDK media is IntegrationFramework-SDK.zip
16. AutoVue server on Linux now uses stock wine-4.0.4 package from EPEL repository.
17. The **Force to Black** option works at any zoom level.
18. Accurate generation of the licenses usage in the licusage.out file.
19. Multipage TIFF wheel behavior change: Added page scrolling support for multipage TIFF files.
20. Changed watermark color to light gray.
21. Improved the support for multi-line watermarks.
22. Improved conversion to PDF. AutoVue no longer adds a margin to the converted PDF output.
23. Improved the printing of 3D mutli-page files.
24. Improved streaming file validation.

25. New configuration parameters have been added on both the AutoVue Server side and the Vuelink side to specify the cryptography algorithms that is required to meet the new security standards. The two configuration parameters introduced on the AutoVue Server side in the `juvserver.properties` configuration file are – `juvserver.encryption.algorithm`, and `juvserver.encryption.keyagreement.algorithm`. The two initialization parameters introduced on the Vuelink servlet descriptor in the web configuration file (`web.xml`) are – `DecryptionAlgorithm` and `KeyAgreementAlgorithm`.

#### 4.1.1.2 Format Enhancements

##### AEC Formats

- » Added support for AutoCAD up to version 2023 files
- » Added support for AutoCAD Mechanical up to version 2023 files
- » Added support for Strikethrough text for AutoCAD files
- » Improved the support for nested layer visibility in DWG files
- » Improved support for TTF text formatting for AutoCAD files
- » Improved support for Block attributes for AutoCAD 2018 and up files
- » Improve performance when drawing dense hatching.

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**Note:** Limited the number of dash patterns to 1000. Dense hatching will lose their patterns if they have more than 1000 dash patterns.

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- » Enhancements and general bug fixes for AutoCAD files
- » Improved the position of nested records in MicroStation files
- » Enhancements and general bug fixes for MicroStation files

##### Desktop/Office Formats

- » Support for Office 2013 to 2019 (Excel, PPT and Word)
- » Improved table border rendering in MS-Word
- » Improved the rendering of text in Word files
- » Enhancements for PDF files:
  - Improved the rendering speed for PDF files with embedded images
  - Improved text rendering in PDF files
  - Improved support for portfolios files, and image transparency
  - Improved conversion to PDF files with all the correct markups and without adding margins
  - Improved the support for the overprint feature in PDF files
- » General bug fixes for PDF, Microsoft Excel, Microsoft Word, JPEG2000 files

##### MCAD Formats

- » Support for Unigraphics up to version NX-2206 series 3D files.
- » Support for AutoDesk Inventor up to version 2023 files.
- » Enhancements for AutoDesk Inventor:

- Improved support for spline entities, rendering of Weldment symbols, hatching, text rendering, and Notes in 2D files
- Improved the reading of file extents in Inventor 2D files
- Fixed the missing links of 3D associated files to Inventor 2D files
- General bug fixes
- ⊠ Improved support for visibility of bodies in SolidEdge Assemblies
- ⊠ Support for SolidEdge up to version 2022
- ⊠ Support for SolidWorks up to version 2022
- ⊠ Improved the support for the Bookmark tree nodes order for SolidWorks part files with multiple configurations
- ⊠ Improved support for SolidWorks configurations
- ⊠ CATIA V5-6 Enhancements
  - Added support for Catia V5-6R up to version 2022 (R32) files
  - Enhancements to embedded image scaling
  - Improved Text Alignments and positions
  - Improved support for projected edges
  - General bug fixes
- ⊠ STEP Enhancements
  - ⊠ Support for Semantic PMI in STEP files
  - ⊠ Added support for compressed STEP files (STPZ)
  - ⊠ Added support for STEP AP241, and AP 242 format
- ⊠ Parasolid Enhancements
  - Support for Parasolid up to version 34.1 files
- ⊠ Support for Creo files up to version 9.0
- ⊠ Support for Revit files up to version 2023 (through conversion)
- ⊠ Support for JT up to version 10.6 files
- ⊠ General bug fixes for Creo 2D files
- ⊠ General bug fixes for SolidWorks 2D files
- ⊠ General bug fixes for all 3D formats we support: Creo, Catia5, SolidWorks, Inventor, SolidEdge, JT, STEP
- ⊠ Improved search for 3D attributes
- ⊠ Improved the support for Far-Eastern text in the Creo drawing files

### 4.1.2 Desupported Functionality

- ⊠ Desupported the loopback communication mechanism between the AutoVue client and the browsers. Use the rendez-vous solution as an alternative.
- ⊠ Removed the APIs **setEMFEnabled** and **isEMFEnabled**.
- ⊠ Desupported the export of markups to DXF, DWG, DGN, and MicroStation format.
- ⊠ Construction and Reference Geometries are desupported for 3D formats except DWF 3D.

### 4.1.3 Desupported INI Options

- ⊗ Desupport the client parameter **FORMAT**. It has been obsoleted since the application supports only AUTO. Option was deprecated since 20.1.0.
- ⊗ The following parameters are desupported:
  - DMSSEED
  - ENABLEEMF
  - GUIKIT (Obsolete, since AutoVue supports only Swing)
  - RMIHOST
  - USEPROXY

### 4.1.4 Desupported Platforms

- ⊗ Windows server 2012 R2 (End of life was October 10, 2023)
- ⊗ Windows 7 (End of life was January 14, 2020)
- ⊗ Windows 8.1 (End of life was January 10, 2023)
- ⊗ Linux 6.x

### 4.1.5 Desupported Formats

The following are de-supported for R21.1 release:

- ⊗ Visio format
- ⊗ Office binary formats (Word, Excel and PowerPoint). As an alternative, use the Office XML format for Word, Excel and PowerPoint
- ⊗ HPGL/PCL formats
- ⊗ ME10/CoCreate Drafting/OneSpace Designer Drafting/Creo Element Direct Drafting formats.

### 4.1.6 Desupported Vuelinks

Documentum is desupported.

### 4.1.7 Desupported Application Servers

WebSphere is desupported

## 4.2 Known Issues

Some of the known issues include:

- ⊗ For SolidWorks 2D files, it's recommended to save shaded views with edges visible for better rendering of views in AutoVue.
- ⊗ AutoVue Desktop Deployment isn't available in AutoVue Release 21.1.0. It will be re-introduced in a future release of AutoVue.
- ⊗ If you're using Tomcat version 10.1.13 to deploy VueServlet, use the workaround provided. Add the following code in `conf\Catalina\localhost\VirtualStore.xml` or in `conf\context.html`

```
<Context>
```

```
...
  <Loader jakartaConverter="TOMCAT" />
</Context>
```

- When you upgrade the JRE version, it is highly recommended that you use the same path for the new upgraded JRE as the one specified in `javueserver.properties` (`javueserver.jre`) file. Else, you've to search for the JRE path and update the following files in the bin directory:

- `javueserver.properties`
- `javue.bat/javue`
- `designer.bat/designer`
- `javueserver_debug.bat/javueserver_debug`
- `usagestat.bat/usagestat`

If you did a custom install of the Java samples, you've to update the `<Av Install Dir>\examples\BatchStamping\jVueBatchStamping.bat/jVueBatchStamping`, and `<Av Install Dir>\examples\VueActionSample\customjavue.bat/customjavue`.

You must update the file `<Av Install Dir>uninstall\installvariables.properties:INSTALLER_JAVA_DOT_HOME=JAVA_HOME`.

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

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Web Site <https://www.oracle.com/applications/autovue/>

Blog <https://blogs.oracle.com>

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### A.2 Oracle Customer Support

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Web Site <https://www.oracle.com/support/>

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### A.3 My Oracle Support AutoVue Community

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Web Site <https://community.oracle.com/hub/>

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### A.4 Sales Inquiries

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Web Site <https://www.oracle.com/corporate/contact/global.html>

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