Oracle® AutoVue Web Services

Release Notes

Release 21.1.0

F86926-01

September 2023

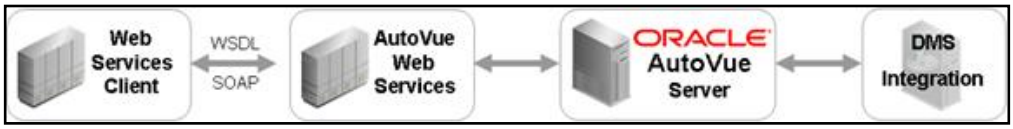
For the most up-to-date version of this document, go to the Oracle AutoVue Documentation Web site on the Oracle Technology Network (OTN) https://www.oracle.com/technetwork/documentation/autovue-091442.html.

1 Introduction

Oracle AutoVue Web Services is intended for system integrators or developers who want to integrate Oracle AutoVue with their applications. AutoVue Web Services is written in Java and based on Java API for XML Web Services (JAX-WS).

Clients that consume AutoVue Web Services can be written in any language as long as they understand Web Services Description Language (WSDL) and communicate using Simple Object Access Protocol (SOAP).

Figure 1 Web Services integration



2 System Requirements

- Oracle AutoVue 21.1.0
- Server Operating Systems
  - Windows 2022 R2 64-bit
  - Windows 2019 R2 64-bit
  - Windows 2016 64-bit
  - Redhat Enterprise Linux 8.X (x86_64), and 7.X (x86_64) 64-bit
  - Oracle Linux 8.X (x86_64), and 7.X (x86_64) 64-bit
- A J2EE 8 and up Application Server
  - Oracle AutoVue Web Services is certified with Oracle WebLogic 12cR2
  - AutoVue Web Services uses Java annotation and other features introduced in J2EE 5. As a result, AutoVue Web Services can only be deployed on a J2EE certified application server.
- The following VueLink has been validated with AutoVue Web Services:

- VueLink 21.1.0 for Oracle UCM/WCC 11.1.1.8

Note: AutoVue Web Services on Linux machines require X server. If you need to connect to a Linux machine through the X window system (for example, Xming) to start AutoVue Web Services server, you must use the one with Mesa 3D capability (for example, Xming-mesa) in order to print a file that contains 3D pages.

AutoVue Web Services has the same dependency as the AutoVue client in terms of the third-party libraries (libGL.so, libGLU.so). For more information refer to the *Oracle AutoVue Client/Server Installation and Configuration Guide*.

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3 Features

This release of Web Services provides the following features.

3.1 Text extraction Web Service

This Web service returns text contained in a given file.

3.2 File level metadata extraction Web Service

This Web service returns metadata and properties for a given file.

3.3 External References (XRefs) Web Service

This Web service returns a list of XRefs associated with a given file.

3.4 Part Tree extraction Web Service

This Web service returns a list of parts contained in a given file. For example, in the case of a 3D assembly, this Web service returns a list of parts and sub-assemblies referenced by the 3D assembly.

3.5 Part level metadata extraction Web Service

This Web service returns metadata for a given part in a given file. For example, in case of a 3D assembly, this Web service returns properties of a particular part referenced by the 3D assembly.

3.6 Print Web Service

This Web service sends a given file to a printer for printing.

3.7 PacketPrint Web Service

This Web service prints a group of documents (packets) one at time.

3.8 Conversion Web Service

This Web service converts a given file into another format such as BMP/PDF/TIFF. For example, you can generate a thumbnail in BMP format for a given file.

3.9 Get Printer Properties Web Service

This Web service returns a list of available printers and each printer's available paper sizes.

3.10 Get Layers Web Service

This Web service returns a list of pages and a list of layers for each page.

4 Included in the Media Pack

The Media Pack includes the following folders.

4.1 docs folder

This folder contains the JavaDocs. All other documentation can be found on the Oracle Technology Network (OTN) https://www.oracle.com/technetwork/documentation/autovue-091442.html.

4.1.1 JavaDocs folder

Contains JavaDocs for Oracle AutoVue Web services.

4.2 autovue_webservices folder

This folder contains files needed to generate AutoVueWS.war for deployment into J2EE application server:

- **AutoVueWS:** A staging folder for generating AutoVueWS.war file.
- **sample_config:** Contains configuration files used by AutoVueWS.war.
- **createWARfile.bat:** Batch file which generates AutoVueWS.war and VueServlet.war on Windows OSes.
- **VueServlet:** The staging folder for generating VueServlet.war file.
- **createWARfile.sh:** Shell scripting which generates AutoVueWS.war and VueServlet.war on Linux OSes.
- **sample_client**: Contains sample AutoVue Web Services client code that demonstrates a persistent retry as long as the server is busy or when there is not enough memory.

4.3 etc

This folder contains the following files:

- **version.txt:** Version information
- **fileslist.txt:** List of files and folders structure contained in this release
- **3rdParty:** This folder contains licenses of the included software components developed by 3rd party companies. It has the following subfolders:
  - **apache:** This folder contains licenses of the included software developed by the Apache Software Foundation (http://www.apache.org/)
  - **jogamp:** This folder contains licenses of the included JOGL software developed by jogamp community (http://jogamp.org/)

5 Known Issues

- When the rendition option is set for the convert Web method, a valid output format is limited to the DMS integration-supported format.
- Conversion for 3D files is not supported since Release 21.0.0.

  AutoVue no longer supports conversion for 3D file formats or 3D pages in 2D format (AutoCAD, EDA-PCB, DWF) to STL and Raster formats. It only converts 2D Vector and Raster data.
- When calling the *getPartTree()* method, the returned entity IDs are different if the base file is loaded from the streaming file instead of the native file. This is important to consider if you use the returned entity ID to call the *getPartProperties()* method. For more information, refer to the "Troubleshooting" section of the *Oracle AutoVue Web Services Installation Guide.*
- AutoVue Web Services does not support loading files from the client side to the AutoVue server. The upload path for local files should be addressed from the Web Services hosts and not from the machine where the client is running.
- When the openAllMarkups option is set for printing or for the convert Web method, or when using the upload protocol for files on the Web Services hosts, the syntax for the URIs pointing to local files should be as follows: **upload://C:\\<folder>\\<filename.ext>**

  Note: Backward slashes ("\\") are used in the file path name.
- If AutoVue server is installed on Linux machine, then conversion to PDF is not supported. The client receives an error message if the convert to PDF function is attempted.
- AutoVue Web Services methods do not support password protected files. If a client attempts to print password protected files via Print and PacketPrint Web services, a page prints with *Password Protect Files* printed on it.
- If AutoVue Web Services is installed on Linux machine, the Linux machine must run at level 5: X11 which is level 3+ display manager.
- The print options (for example, FORCETOBLACK) provided by AutoVue Web Services printing clients always override those defined in the INI file of AutoVue server.

6 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

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