Oracle® AutoVue Web Services

Overview

Release 21.0.0

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Oracle® AutoVue Web Services Overview, Release 21.0.0

Contents

Preface

The AutoVue Web Services Overview provides an introduction to AutoVue Web Services.

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 third-party developers (for example, integrators) who want to integrate Oracle AutoVue with other application suites and legacy systems.

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 set:

- *Oracle AutoVue Web Services Developer's Guide*
- *Oracle AutoVue Web Services Installation and Configuration Manual*
- *Oracle AutoVue Web Services Release Notes*

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.

1 Introduction

Oracle AutoVue Web Services provides a standard interface that allows for easy integration of Oracle AutoVue with other application suites and legacy systems. With AutoVue Web Services, developers can easily integrate AutoVue's best-in-class enterprise visualization capabilities where they are most needed in the enterprise, regardless of platforms or programming languages. Organizations can leverage the power of AutoVue Enterprise Visualization solutions, in whole or in part, in ways that are most effective for their bottom line. Teams can use AutoVue functionality in a completely transparent way to view and collaborate on business and technical information directly from other applications and enterprise systems, and perform their tasks in a more efficient manner.

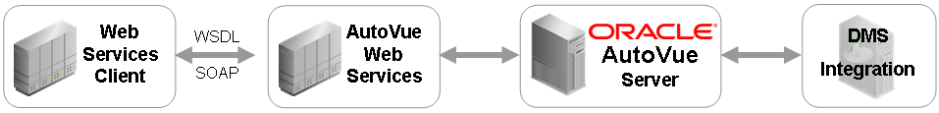
AutoVue Web Services can also invoke operations on files inside Document Management Systems (DMS) repositories. To access the DMS repository, a DMS integration interface is required between the DMS server, AutoVue Web Services, and Oracle AutoVue. This interface enables you to add powerful viewing and markup capabilities to your DMS via a Web browser in an intranet or the Internet.

For information on how to configure AutoVue Web Services for DMS integration, refer to the *Oracle AutoVue Web Services Installation and Configuration Manual.*

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 such as Java or .NET as long as they understand Web Services Description Language (WSDL) and communicate using Simple Object Access Protocol (SOAP).

The following image displays the relationship between Web Services client, AutoVue Web Services, and AutoVue Server:

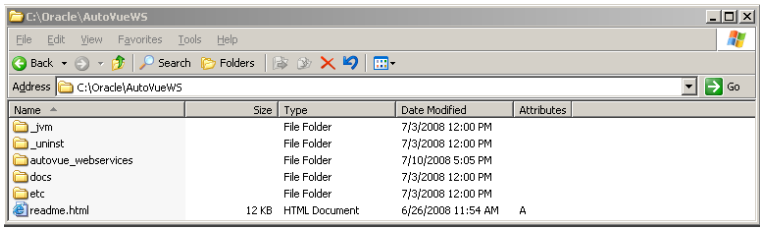
Figure 1–1 Flow Diagram



1.1 Getting Started

After you run the installer for AutoVue Web Services on your machine, several folders are created. The following screenshot displays the folder structure that is created when installed in the default installation directory (C:\Oracle\AutoVueWS) on Windows:

Figure 1–2 Folder Structure of AutoVue Web Services



The *readme.html* file acts as an entry point to the remaining documentation for AutoVue Web Services. To view the contents of the file, open it from a Web browser.

The following is a brief description of what is contained in each folder after the installation of AutoVue Web Services:

- The */docs* folder contains documentation (Installation and Configuration Manual, Developer's Guide, Acknowledgements, Overview, and JavaDocs).
- The */autovue_webservices* folder contains files required to generate AutoVueWS.war for deployment onto your J2EE 5 Application Server:
  - *AutoVueWS:* Staging folder for generating AutoVueWS.war.
  - *sample_config:* Contains configuration files used by AutoVueWS.war.
  - *createWARfile.bat:* Batch file which generates AutoVueWS.war and VueServlet.war on Windows.
  - *createWARfile.sh:* Shell scripting which generates AutoVueWS.war and VueServlet.war on Linux.
  - *sample_client:* Contains sample AutoVue Web Services client code which demonstrates a persistent retry as long as the server is busy or when there is not enough memory.
  - *VueServlet:* Staging folder for generating VueServlet.war.
- The */etc* folder contains release notes, version information, and licenses for third-party software used by AutoVue Web Services.
- The */_jvm* and */_uninst* folders are used for uninstalling AutoVue Web Services.

Initially, you must generate the AutoVueWS.war Web application module and deploy it into your J2EE 5 Application Server. To do so, follow the steps outlined in the *Oracle AutoVue Web Services Installation and Configuration Manual.*

> **Note:** AutoVue Web Services use Java annotation and other features introduced in Java EE 5. As a result, AutoVue Web Services can only be deployed on a Java EE 5 certified application server.

You also need to ensure that you have all prerequisite software installed before you start deployment. For a complete list specific to your platform, refer to the "System Requirements" chapter of the *Oracle AutoVue Web Services Installation and Configuration Manual.*

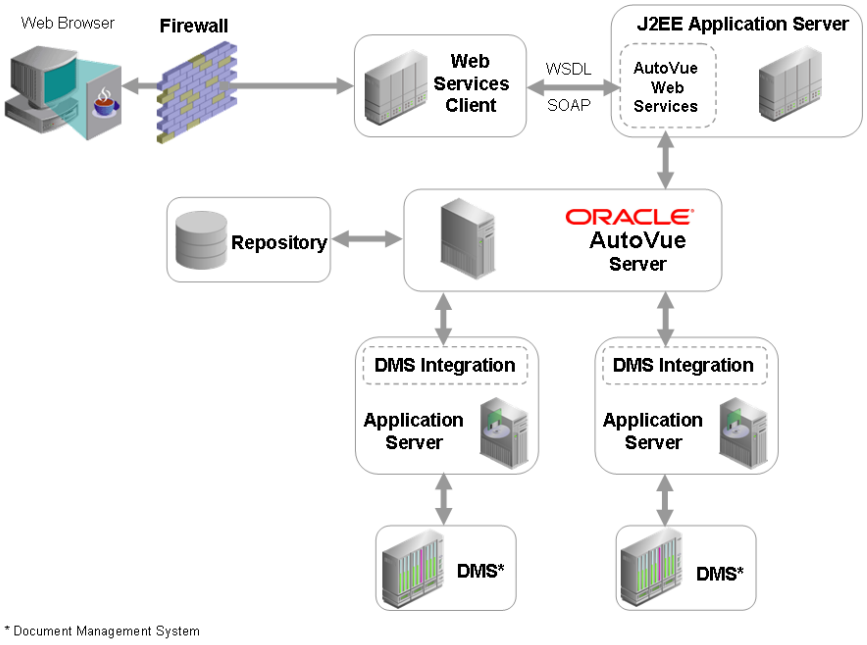
Once you have successfully deployed the AutoVueWS.war Web application, you should familiarize yourself with the available Web services. For more information on the features and functionalities provided by each Web service, refer to the *Oracle AutoVue Web Services Developer's Guide* .

To test AutoVue Web Services without writing any code, you can use Oracle Web Services Manager 10.1.3 (either standalone or part of SOA 10.1.3), soapUI 2.0.2, or Oracle JDeveloper 11 TP4 (which has built-in tools for testing Web services).

You can also create your own Web services proxy client that consumes AutoVue Web Services. For technical details and instructions for developing your own proxy clients, refer to the *Oracle AutoVue Web Services Developer's Guide.*

The following high level architectural diagram shows how AutoVue Web Services is related to other components in your environment. For a detailed description of this diagram, refer to the *Oracle AutoVue Web Services Developer's Guide*. The next section contains a brief description of each component included in AutoVue Web Services.

Figure 1–3 Architecture



1.2 DMS Integration

Through a document management system (DMS) integration, AutoVue Web Services can invoke operations on files located in DMS repositories (such as Oracle WCC, third-party integrations, and so on). Each DMS integration is associated to a connection properties file that manages the interaction between AutoVue Web Services and the DMS integration.

Note that each DMS integration has an associated properties file. For example:

- VueLink for Oracle UCM is assigned *vuelinkUCM.properties*
- VueLink for Documentum is assigned *vuelinkDCMT.properties*
- A third-party application is assigned *vuelinkTHIRD_PARTY.properties*

For more information on DMS integration and configuring connection properties files, refer to the *Oracle AutoVue Web Services Installation and Configuration Manual.*

1.3 Overview of Components

AutoVue Web Services contains two main components: Documentation and AutoVue Web Services Module.

1.3.1 AutoVue Web Services Module

AutoVue Web Services Module consists of the following components: AutoVueWS.jar, AutoVue components, third-party libraries, and batch utility.

1.3.1.1 AutoVueWS.jar

This is the main library that is used as the end point for AutoVue Web Services. It is responsible for processing all incoming Simple Object Access Protocol (SOAP) messages and building responses to AutoVue Web Services clients.

- AutoVue Web Services uses standard Web descriptor file (web.xml) for storing configuration parameters and log4j for logging messages into an output log file.

1.3.1.2 AutoVue Components

AutoVue Web Services is built as a wrapper around the AutoVue client. The following component of Oracle AutoVue is bundled with AutoVue Web Services:

- AutoVue Applet Client (jvue.jar)
- AutoVue Web Services does not bundle the AutoVue server. As a result, you must download and it separately. For more details, refer to the *Oracle AutoVue Web Services Installation and Configuration Manual.*

1.3.1.3 Third-Party Libraries

AutoVue Web Services bundles the following third-party open source libraries:

- Commons-pool-1.5.4.jar
- Log4j-1.2.15.jar
- Jogl.jar
- Gluegen-rt.jar

1.3.1.4 Batch Utility

CreateWARfile.bat/createWARfile.sh is a batch utility file that generates a Web Archive (WAR) file for easy deployment into your J2EE 5 Application Server. Before running this utility, ensure that your settings inside various configuration files (web.xml, log4j.properties, and so on) are correct. For more details, refer to the *Oracle AutoVue Web Services Installation and Configuration Manual.*

1.3.2 List of AutoVue Web Services

The following is a summary of methods provided by AutoVue Web Services. For a detailed description, refer to the Oracle AutoVue Web Services Developer's Guide.

Web Services	Description
getText	This text extraction Web method returns visible text inside a given document. This method is not supported for 3D formats. Metadata is not included by this method (for example, EDA entity information, layer and block names, and so on).

Web Services	Description
getProperties	This file level metadata extraction Web method returns a list of all metadata of a Part inside a given document. This method is only supported for 3D formats
getXRefs	This External References (XRefs) Web method returns a list of XRefs associated to a given file.
getPartTree	This part tree extraction Web method 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.
getPartProperties	This part level metadata extraction Web method returns metadata for a given part in a given file. For example, in the case of a 3D assembly, this Web service returns properties of a particular part referenced by the 3D assembly.
print	This printing Web method sends a given file to a printer for printing.
packetPrint	Prints a group of documents (known as packet) one at a time, along with the auto-generated cover page and summary page.
convert	This conversion Web method converts a given file into another format such as JPEG, PNG, PDF, BMP, or TIFF.
getLayerInfo	This Web method returns a list of pages and a list of layers for each page.
getPrinterNameList	This utility Web method returns a list of available printers.
getPaperList	This utility Web method returns each printer's available paper size.

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

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