

***AutoVue Integration SDK and Sample  
Integration for Filesys DMS  
Installation Guide***

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# **Preface**

The *AutoVue Integration SDK and Sample Integration for Filesys DMS Installation Guide* describes the procedure for building and running ISDK samples on IDEs that support Java EE 5 and Web applications.

## **Audience**

The *AutoVue Integration SDK and Sample Integration for Filesys DMS Installation Guide* is intended for third-party developers who want to run a dynamic Web project in the Eclipse Web Tools Platform (WTP) IDE for the Oracle AutoVue and the Filesys DMS sample

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## **Related Documents**

For more information, see the following documents in the Integration SDK documentation library:

- *Overview*
- *User Guide*
- *Technical Guide*
- *Release Notes*
- *Java Docs*
- *DMAPI Manual*
- *Security and Authentication Guide*

# Conventions

The following text conventions are used in this document:

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<b>Convention</b>	<b>Meaning</b>
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in the text.
<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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# **Introduction**

This document describes the procedure for building and running a dynamic Web project in JDeveloper and Eclipse IDEs for the Oracle AutoVue.

# **System Requirements**

The recommended system hardware configuration is:

- A system supporting the JDK/JRE version 6 with at least 2GB of main memory.
- At least 100MB of free disk space to install the software components and examples.

## **Required Software**

- Oracle AutoVue 20.0.0 (compatible with 19.3.4)

## **Server**

The following operating systems have been certified with the Integration SDK:

### **Windows**

- Windows 2008 64-bit (AutoVue running in 32-bit mode)
- Windows 2003 32bit

### **Linux**

- Redhat Linux Enterprise AS version 5
- Oracle Enterprise Linux 5

## **Client**

The following Java Virtual Machines have been certified with the Integration SDK:

- IDE that supports Java EE 5 and Web applications
  - Oracle JDeveloper 11g
  - Eclipse IDE 3.5 (Galileo) Edition
- Java JDK 1.5 for Filesys Sample and Skeleton
- Java JDK 1.6 for Web Service Client (recommended JDF 1.6\_14)

The following Web browsers are certified with the Integration SDK:

- Microsoft Internet Explorer 7 or higher
- Mozilla Firefox 3.0 or higher

## **Application Servers**

The following application servers are compatible with the Integration SDK:

- Oracle WebLogic Server 10gR3
- Oracle WebLogic Server 11gR1 (certified for Web Service security)
- Any other application server that supports Servlet 2.5 may work but are not certified by Oracle

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# Installation Prerequisites

This manual assumes you are familiar with Java development and with basic Web application development concepts, such as deployment descriptors and WAR archives. Understanding XML language is beneficial, but not mandatory.

The software products listed in the [System Requirements](#) must be installed and configured on your system according to the manufacturer's instructions.

Useful commands on UNIX and Linux:

- To extract files from a TAR file, use the tar command: `tar -xvk <tarfile>`
- To unzip GZIP files, use the gunzip command: `gunzip <gzip file>`
- To unzip ZIP files, use the unzip command: `unzip <zip file>`

## Downloading Required Software

### Oracle JDeveloper 11g

You can download Oracle JDeveloper Studio Version (jdevstudio11112install.exe) from <http://www.oracle.com/technology/software/products/jdev/htdocs/soft11.html>.

### Eclipse

Oracle Enterprise Pack for Eclipse is a free set of certified plug-ins, enabling WebLogic developers to support Java EE and Web Service standards. The Oracle Enterprise Pack for Eclipse All-In-One installer includes a preconfigured version of Eclipse and the OEPE plug-ins. You can download the Eclipse 3.5 (Galileo) Edition for your desired platform from [http://www.oracle.com/technology/software/products/oepe/oepe\\_11gR1.html](http://www.oracle.com/technology/software/products/oepe/oepe_11gR1.html). If you download [Eclipse IDE for Java EE Developers](#) from the Eclipse Web site, you must download the Oracle WebLogic Server plug-in separately when creating the server.

### Oracle AutoVue

Oracle AutoVue 20.00 is available from <http://edelivery.oracle.com>. The description name is Oracle AutoVue 20.0.0. Media Pack for your desired platform and the complete version is Oracle AutoVue Electro-Mechanical Professional for your desired platform.

### WebLogic Server

You can download WebLogic Server from the following location: [http://www.oracle.com/technology/software/products/ias/htdocs/wls\\_main.html](http://www.oracle.com/technology/software/products/ias/htdocs/wls_main.html).

# Installation

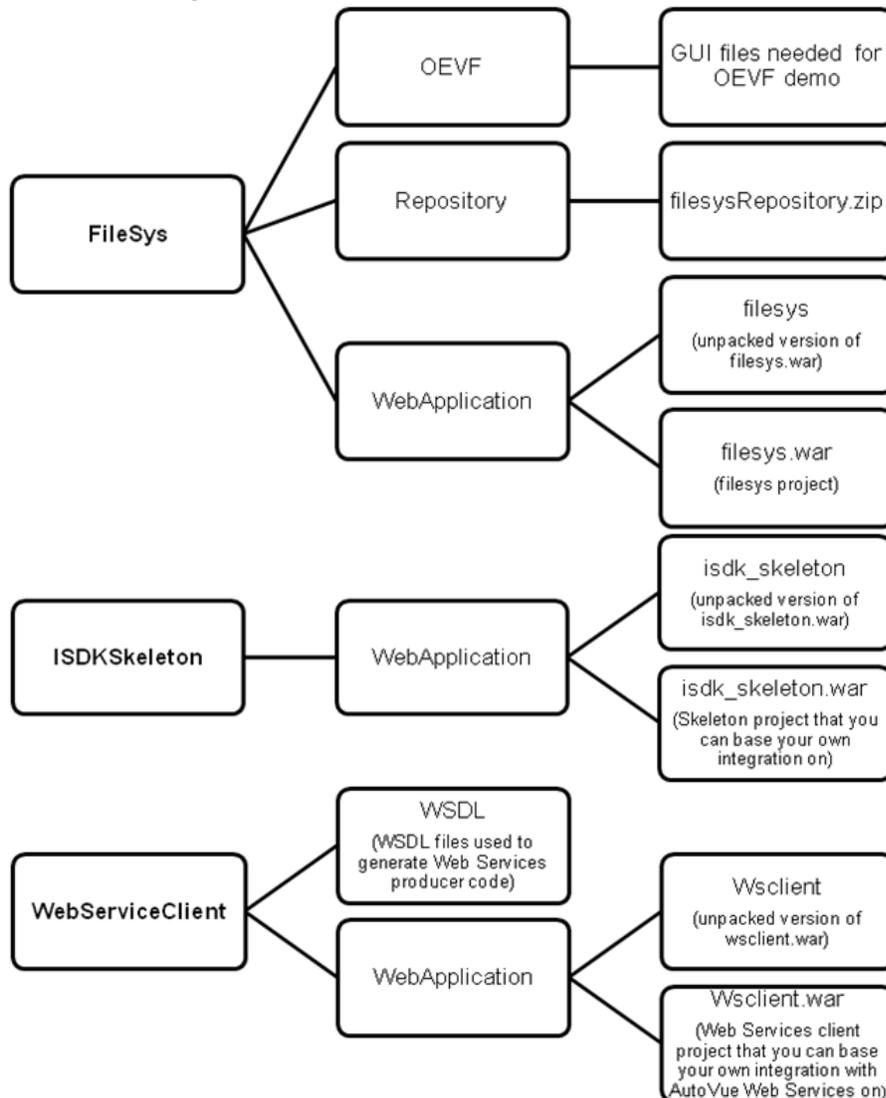
## Integration SDK Package Checklist

There are two folders included: win32 and linux. Each of these folders contains the installer of the ISDK for the corresponding platform:

- For **Windows** (2008 or 2003), go to the **win32** folder and launch the **setupwin32.exe** file.
- For **Linux** (Redhat Linux Enterprise 5), go to the **linux** folder and launch the **setuplinux.bin** file.

During the installation, provide the **Directory Name** where you want to install the AutoVue Integration SDK.

After running the installer, all the required files are created under your AutoVueIntegrationSDK installation directory with the following structure:



## Create FileSys Repository

Unzip the fileysRepository.zip file to the location of your choice (<fileys data repository>). The <fileys data repository> is the repository that will contain the Filesys DMS data (documents, xrefs, markups, and so on).

## Create Server Runtime Environment on IDE

### Create Default Runtime Environment on IDE

JDeveloper has default IntegratedWebLogicServer configured.

### Create Server Runtime on Eclipse

You can create a server to identify the runtime environment that you want to use in Eclipse 3.5. To create the WebLogic Server, complete the following steps. Please notice that your Oracle WebLogic Server domain needs to be created in development mode in order to create the server successfully in Eclipse.

You can create a server to identify the runtime environment that you want to use to test your Oracle AutoVue project.

- 1 From the **File** menu, select **New**, and then select **Other**.
- 2 Expand the **Server** folder, then select **Server**.
- 3 Click **Next**.

The Define a New Server wizard opens. This wizard lets you define a new server that contains information required to point to a specific runtime environment for local or remote testing, or for publishing to an application server.

**Note:** If you install Eclipse using Oracle Enterprise Pack for Eclipse Galileo Edition, Oracle WebLogic Server (10gR3 and 11gR1) will be listed in the New Server wizard under Oracle server type. If you download Eclipse 3.5 directly from Apache Web site, you need to click **Download Additional Server Adapters** and download Oracle WebLogic Server adapter from the Internet yourself.

- 4 You can select Oracle WebLogic Server 10gR3, click **Next** and go to step 5. You can select Oracle WebLogic Sever 11gR1, click **Next** and go to step 6. It depends on which version of Oracle WebLogic Server you already have.
- 5 This step is for Oracle WebLogic Server 10gR3 on Windows.
  - a. You need to provide the domain directory at Specify a WebLogic domain directory dialog.
  - b. If you do not have the WebLogic domain available yet or you want to create a different one, click **Click Here to launch Configuration Wizard to create a new domain**. Write down the Domain Location for your created domain, for example, C:\bea\user\_projects\domains\base\_domain.
  - c. Now suppose you already have a domain directory available. You can input or browse to get it on your machine and click **Next**. Proceed to step 7.
- 6 This step is for Oracle WebLogic Server 11gR1 on Windows.

For Oracle WebLogic Server on Linux, follow similar steps.

  - a. First you need to input WebLogic Home, for example, C:\bea\wlserver\_10.3 on Windows and /home/my/bea/wlserver\_10.3 on Linux, at the Define WebLogic Runtime dialog and then provide the domain directory at Define a WebLogic Server dialog.
  - b. If you do not have the WebLogic domain available yet or you want to create a different one, click **Click Here to launch Configuration Wizard to create a new domain**. Write down the Domain Location for your created domain, for example, C:\bea\user\_projects\domains\base\_domain.
  - c. Now suppose you already have a domain directory available. You can input or browse to get it on your machine and click **Next**.

- 7 Select the projects from the available projects list in the Add and Remove dialog and add them to the configured projects list (click the **Add > button**). Then click **Finish**.  
Then Oracle WebLogic Server 10gR3 or 11gR1 appears in the Servers view. You can start and stop the Server from this view.
- 8 Open Server view to verify the server has been created. You can click **Servers**  or click on **Window** from menu bar, then **Show View** and **Servers** to display the Server view.

## Creating Sample Projects on IDE

The Sample Integration for Filesys DMS is a dynamic web application. In this section we describe how to create a FileSys project on JDeveloper and Eclipse IDEs.

### Creating Sample Projects on JDeveloper

- 1 Create an application if you do not have one yet. You can create an application by clicking on **File** from the menu, then select **New** to bring out the New Gallery dialog.
- 2 At this dialog, select **Applications** under the **General** category from the left panel and select **Generic Application** from the right panel.
- 3 Click **OK**. The Create Application dialog appears.
- 4 Complete the Create Application dialog to create an application with the Application Package Prefix field left empty.
- 5 Click **File and Import**. The Import dialog appears.
- 6 Select the WAR File in the Import dialog to bring out the Create Project from WAR File wizard.
- 7 You can finish the same task by right-clicking the application and selecting **New Project**. Select Project from WAR file from the right panel in the New Gallery dialog.
- 8 In the following Create Project from WAR file dialogs, input your project name, choose a directory to put your project, select the WAR file to import, and verify the location for Root Directory for Web Module.
- 9 Click **Finish** to finish the creation of your project.
- 10 In the Project view, browse to verify that your project has been created successfully.
- 11 Click on **Build** to make your project. There should be no compilation error.
- 12 Check Libraries and Classpath:
  - a. Right-click the project and select **Project Properties** to bring out the Project Properties dialog
  - b. Click on **Libraries and Classpath** in the left panel.
  - c. Check the JSP Runtime and JSF 1.2 are available under the Classpath Entries. If there are not available, you can add them manually in the following steps:
    - Click **Add Library** in the right panel
    - Select **JSP Runtime** under Extension from the pop-up window.
    - If you are going to deploy the project later to an external WebLogic Server instead of using the IntegratedWebLogicServer, you also need to add JSF 1.2 under Extension from the pop-up window.
    - Click **OK**.
- 13 This step is for the ISDK Web Service Sample project for WebLogic when the “WeblogicUserNameTokenHandler.java” (Username token profile security for WebLogic) is needed.  
  
First, WeblogicUserNameTokenHandler.java.excluded needs to be renamed to WeblogicUserNameTokenHandler.java.

Second, add weblogic.jar to the project's build path if you see compilation error for WeblogicUserNameTokenHandler.java. The steps are:

- a. Right click the project and select **Project Properties** to bring out the Project Properties dialog.
  - b. Click on **Libraries and Classpath** in the left panel
  - c. Click on **Add JAR/Directory** in the right panel
  - d. In Add Archive or Directory dialog, browse to WebLogic Server's lib folder to select weblogic.jar and click on **Select**.  
Weblogic.jar appears in the Classpath Entries.
  - e. Click **OK** to exit the Project Properties dialog.
  - f. Rebuild your project and there should be no compilation error.
- 14 To start the WebLogic Server. You can click on **Run** from menu bar and then click **Start Server Instance** to start or click on from the toolbar.

## Creating Sample Projects on Eclipse

- 1 In the **File** menu select **Import**. The Import dialog appears.
- 2 In the Import dialog, expand Web and select **WAR file** and then click **Next** to bring out the WAR Import dialog.
- 3 Import the sample WAR files that you want to import by clicking the **Browse**.

Provide a name for your Web project.

If you have already configured Oracle WebLogic Server runtime, Oracle WebLogic Server 10gR3 or 11gR1 will be shown as Target runtime. If you have not created it yet, you can create one now by clicking on **New**. Please refer to "Create Server Runtime Environment on IDE" (page 11).

- 4 Click **Next**.
- 5 Accept the default at the WAR Import: Web libraries dialog and click on **Finish** to populate the Web project.
- 6 Click **Yes** if Eclipse asks you to open J2EE perspective for this project.
- 7 This step is for the ISDK Web Service Sample project for WebLogic when the "WeblogicUserNameTokenHandler.java" (Username token profile security for WebLogic) is needed.

First, WeblogicUserNameTokenHandler.java.excluded needs to be renamed to WeblogicUserNameTokenHandler.java.

Second, add weblogic.jar to the project's build path if you see compilation error for WeblogicUserNameTokenHandler.java. The steps are:

- a. Right click the project and select **Build Path**, then select **Configure Build Path** to open the Project's Properties dialog.
  - b. Click on the Add Library tab and click on **Server Runtime**, and then click **Next**.
  - c. If WebLogic appears, you can select and add.
  - d. If you cannot find the WebLogic runtime, then click on **Add External JAR** from the previous dialog to open the JAR Selection dialog. Browse to WebLogic Server's lib folder to select weblogic.jar and click on **Open**.
  - e. Weblogic.jar should appear in the Classpath Entries panel.
  - f. Click on **OK** to exit the Properties dialog.
  - g. Recompile the project and there should be no compilation error
- 8 This step is for using Oracle WebLogic 10gR3 Server runtime.
- Open the weblogic.xml file (located at the WebContent\WEB-INF folder) in a text editor.

- Comment out the following lines as they are not supported by WebLogic 10gR3.

```
<wls:session-descriptor>
    <wls:cookie-http-only>>false</wls:cookie-http-only>
</wls:session-descriptor>
```

- 9 After completing all these steps, there should be no compilation error about java code in your project.

## Filesys Project Configuration

### Copying AutoVue Jar Files

Overwrite the files `javue.jar`, `jogl.jar` and `gluegen-rt.jar` from the directory `<AutoVue Installation directory>\bin` to your Filesys project's `WebContent\javue` folder (for Eclipse) or `public_html\javue` folder (for JDeveloper).

Overwrite the file `vueservlet.jar` from the directory `<AutoVue Installation directory>\bin` to your Filesys project's `WebContent\WEB-INF\lib` folder (for Eclipse) or `public_html\WEB-INF\lib` folder (for JDeveloper).

### Configuring AutoVue Server

- 1 Open the `web.xml` file in a text editor.
- 2 Locate the following block.

```
<servlet id="csi_servlet_2">
<servlet-name>VueServlet</servlet-name>
<servlet-class>com.cimmetry.servlet.VueServlet</servlet-class>
<init-param>
<param-name>JVueServer</param-name>
<param-value>localhost:5099</param-value>
</init-param>
<init-param>
```

- 3 Update the default location of `JVueServer` "`localhost:5099`". You must replace `localhost` with the host name/IP address of the machine that is running AutoVue Server, and replace `5099` with the socket port number that AutoVue Server is listening to (default is `5099`).

### Configuring log4j.properties for Debugging

The location of `log4j.properties` file is defined in `web.xml`. By default, it is located at `WEB-INF/lib` folder..

```
<init-param>
    <param-name>log4jInitFile</param-name>
    <param-value>/WEB-INF/lib/log4j.properties</param-value>
</init-param>
```

To configure log4j.properties for debugging, do the following:

- 1 With your preferred file editor open the log4j.properties file.
- 2 Set the location and the filename of your log4j logging file, for example, C:/tmp/filesys.log.

```
# setting the logging file
log4j.appender.R.File=<Your logs directory>/<logfile>.log
```

- 3 You can change the level and location of output by modifying this file, for example, log4j.logger.com.cimmetry.vuelink=DEBUG.

The following table shows the different levels of logging available.

		Will Output Messages Of Level				
		DEBUG	INFO	WARN	ERROR	FATAL
Logger Level	DEBUG					
	INFO					
	WARN					
	ERROR					
	FATAL					
	ALL					
OFF						

■ : No

■ : Yes

- If you set Logger Level to FATAL, then only output messages of level FATAL are logged in log4j file.
- If you set Logger Level to ERROR, then only output messages of level ERROR or FATAL are logged in log4j file.
- If you set Logger Level to DEBUG, then output messages of any level are logged in log4j file.]

For more information on log4j capabilities, refer to log4j documentation.

## Configuring RootDir for the Filesys Repository

- 1 With your preferred file editor open the web.xml file located at WEB-INF folder.
- 2 Replace the param-value for "RootDir". For example, if you have unzipped the Filesys Repository to folder c:\tmp on Windows, the param-value for RootDir will be c:\tmp\filesysRepository.

```
<!-- context parameters are available to all servlets -->
<context-param>
  <param-name>RootDir</param-name>
  <param-value>Put path to repository here</param-value>
</context-param>
```

## Configuring Embedded vs. Pop-Up Window

AutoVue applet can be launched in a pop-up window or embedded inside the caller's browser window.

By default, Filesys demo uses embedded mode and RTC demo uses pop-up mode.

For OEVF demo, you decide the mode by providing `embedded=0` or `embedded=1` request parameter in the launching url. See `jquery/OEVFDemo.html`.

To change the mode in Filesys demo:

- 1 Open `jquery/frmApplet.jsp`
- 2 Change the line  
`boolean embedded = true;`  
to  
`boolean embedded = false;`

To change the mode in RTC demo:

- 1 Open `jquery/RTCDemo_init.jsp` and `jquery/RTCDemo_join.jsp`
- 2 Change the line  
`boolean embedded = false;`  
to  
`boolean embedded = true;`

## Configuring Markup Policy

The location of `MarkupPolicy.xml` file is defined in `web.xml` that controls both online and offline markup operation in the Mobile package file. By default, it is located at `WEB-INF/lib` folder.

```
<init-param>
<param-name>CSI_MarkupPolicyDefLocation</param-name>
<param-value>/WEB-INF/lib/MarkupPolicy.xml</param-value>
</init-param>
```

If you need to update the Markup Policy file, please refer to the section "Defining Markup Policy" in *Oracle AutoVue User's Manual*. On Windows, the link is <http://localhost/jVue/help/en/AutoVueOnLineHelp.html>. If the link does not work, check whether there is a virtual directory "jVue" with IIS. It is created during AutoVue Server installation.

## Configuring User Control

By default, ISDK filesys bundles a file called `credential.txt` that contains valid user information for authentication. The location of `credential.txt` file is defined in `web.xml`.

```
<init-param>
<param-name>CredentialInfoLocation</param-name>
<param-value>/WEB-INF/lib/credential.txt</param-value>
</init-param>
```

To add new users or modify existing user name or password, update `credential.txt`. Each line of the file contains an entry for a user and its password. The field separator is colon ":".

## Configuring Pick List

This list is for controlling the content of pick list for Intellistamp DMS properties. You can remove/modify existing values or add new values for the <Status> and <RelatedInfo> elements in WEB-INF/lib/picklist.xml, but you are not supposed to delete these two elements or add new elements directly under <Data> element.

## Configuring Thumbnail Display

If you want to show thumbnails based on bmp renditions when browsing the Filesys Repository, you can do the following configuration.

- 1 For Windows system, create a virtual directory on IIS (Internet Information Services) for the Filesys Repository. For example, if you have unzipped the Filesys Repository to folder c:\tmp on Windows, you can create a virtual directory with alias filesysRepository and the location path c:\tmp\filesysRepository. Suppose IIS is available at the default port 80.
- 2 For Linux system, if Apache Server is available, do the following configuration.
  - Open Apache's httpd.conf file, locate the line: DocumentRoot "/var/www/html".
  - Copy this line and comment out the original one.
  - Change the copied line to, for example  
DocumentRoot "/home/ucm/tmp"  
Suppose your filesys repository is unzipped to /home/ucm/tmp folder and your /home/ucm/tmp/filesysRepository folder allow executing file as program. If your DocumentRoot has already been used, you need to put your filesys repository under the existing DocumentRoot folder in order to preview thumbnails.
  - Save the file and restart Apache Server.
- 3 Replace the param-value for RootURL in web.xml. This URL is mainly used for thumbnail displaying. But you need to put a URL (for example, http://localhost) there even if thumbnail displaying is not intended. With the configuration sample in Step 1, the param-value for RootURL will be http://localhost/filesysRepository. Pay attention to the case sensitivity of IIS.

```
<!-- This URL is only needed to construct thumbnail URLs -->
<context-param>
<param-name>RootURL</param-name>
<param-value>Put URL to repository here</param-value>
<param-value>http://localhost/filesysRepository </param-value>
</context-param>
```

## Configuring Redirection

In order to experiment redirection functionality in Filesys, you need to install IDE and deploy the Filesys sample project on two machines—a main server and a remote server—and finish generic configuration and other configurations based on your needs. You must then perform the following configurations for redirection.

- 1 On the main server machine, change the folder permission for the filesys repository to "Full Control" for all users.
- 2 On the remote server machine, create a network mapping drive to the filesys repository directory on the main server machine. In Filesys demo, both remote server and the main server will use the same filesys repository data.

- 3 On the main server, modify web.xml to comment out the blocks "RemoteVueLink", "RemotejVueServer" and "RemoteVueServlet". Specify the param-values for these three parameters.

Param-name	Description and param-value
RemoteVueLink	URL to the remote vuelink The param-value is http://host:port/context/servlet/FilesysVuelink where host is the remote host name or IP address, port is the remote IDE's server runtime port number, context is the Filesys project name on the remote IDE.
RemotejVueServer	Hostname or IP address of the remote AutoVue server The remote server can use another AutoVue Server instead of the one running on the main server.
RemoteVueServlet	URL to the remote VueServlet The param-value is http://host:port/context/servlet/VueServlet

For Example:

```
<context-param>
<param-name>RemoteVuelink</param-name>
<param-value> http://sremote:7001/ISDK_Remote/servlet/FilesysVuelink</param-value>
</context-param>

<context-param>
<param-name>RemotejVueServer</param-name>
<param-value>sremote</param-value>
</context-param>

<context-param>
<param-name>RemoteVueServlet</param-name>
<param-value>http://sremote:7001/ISDK_Remote/servlet/VueServlet</param-value>
</context-param>
```

## Configuring Real-Time Collaboration (RTC) Demo

### Verifying RTC Demo

Make sure the WEB-INF/lib/credential.txt has an entry for user "rtc" and "rtc1". Although every valid user can initiate and join a meeting, but by default the meeting is initiated as user "rtc" and joined by user "rtc1" and the AutoVue applet is named after the username.

## Creating or Updating meetingfiles.txt

Verify that the meetingfiles.txt under your <filesystems data repository>/Meeting folder exists. If this file does not exist, you need to create it manually.

If you want to change the files shown in the Meeting File drop down list when initiating a RTC meeting from RTCDemo\_init.jsp page similar to the following figure, then you need to update the meetingfiles.txt file.

Each entry in the meetingfiles.txt file represents one meeting file; it starts with "/" and reflects one viewable document file in the Filesys data repository.

### Configure AutoVue Server and Restarting

Open jvueserver.properties file in AutoVue server's bin folder and locate the following line:

```
dms.vuelink.version=19.3
```

Comment out this line in order to avoid an Authorization pop-up when initializing or joining a RTC meeting using ISDK 20 RTC demo:

```
# * To be used with 19.3 VueLinks
# dms.vuelink.version=19.3
```

Restart AutoVue Server after the above modification.

## Configuring Oracle Enterprise Visualization Framework (OEVF)

### Defining OEVFInfoLocation in web.xml

By default, ISDK filesystems bundles a file called oevf.xml which defines the mapping of document IDs with assetIDs and workflowIDs. The default location of oevf.xml is under the folder WEB-INF/lib. If you move the file to another location, then you need to specify the full path for the parameter "OEVFInfoLocation" in web.xml.:

```
<!--
# the location of xml file which contains all the info about assetIDs, workflowIDs
# and full path of the latest revision in FileSys DMS
-->
<init-param>
<param-name>OEVFInfoLocation</param-name>
<param-value>/WEB-INF/lib/oevf.xml</param-value>
</init-param>
```

### Updating oevf.xml

This step is required if you want to establish new or update existing mappings of document IDs with assetIDs and workflowIDs.

The root element of the oevf.xml file is <data>. The direct elements under <data> are <file> elements that contain the definition for files. Each <file> element represents one file. If you want to add mapping relationships for a new file, then you need to add a new <file> entry.

A <file> element can include multiple <revision> elements that represent the multiple revisions of the file. If you want to add a new revision section to an existing file, then you must add one new <revision> entry.

Each <version> element includes a <docID>, <assetIDs>, <workflowIDs> and <version> elements. The value for <version> element is the revision number. The value for <docID> element is the relative path to a file in the Filesys data repository. It starts with "/". For example, "/2D/MicroStation.dgn/MicroStation.dgn(2)/MicroStation.dgn".

The <assetIDs> element can contain multiple <assetID> elements and the <workflowIDs> element can contain multiple <workflowID> elements. You can add or delete an assetID that is associated with one revision of a file by adding or deleting element a <assetID> element. You can add or delete a workflowID. that is associated with one revision of a file by adding or deleting a <workflowID> element.

## Updating OEVFDemo.html

This step is needed to add new or modify existing test cases for OEVF.

The launching OEVF url defined inside <a> tag calls ".../jvue/frmApplet.jsp" page combined with some of the following parameters.

URL Request Parameter	Value and Description
aID	A Value defined for <assetID> element in oevf.xml.
docID	A value defined for <docID> element in oevf.xml.
wID	A value defined for <workflowID> element in oevf.xml.
embedded	0 or new such parameter: AutoVue applet appears in a new window. 1: AutoVue applet is embedded in the caller's browser window.
goBack	Work together with embedded=0. 0 or no such parameter: The caller's browser displays an empty page with the launching OEVF URL. 1: The caller's browser displays the OEVFDemo.html page.
guiFile	Name of the AutoVue GUI to be used.

You can pass in only aID, only wID, aID with wID, aID with dID, wID with dID, aID with wID and dID in addition with embedded or goBack or guiFile param. Refer to *OEVFDemo.html* for the meaning of different combinations.

## Copying OEVF GUI files to AutoVue

Copy assetView.gui and assetEdit.gui files from inside the ISDK installation "AutoVueIntegrationSDK/FileSys/OEVF" folder to the folder "bin/Profiles" under AutoVue Server installation folder. If the "Profiles" folder does not exist, create one before copying.

## Configuring New Sample Data

You can add new data to the existing sample Filesys repository. It is recommended not to rename the folder name or file name, or delete existing data, because the sample data is preconfigured to demonstrate certain functionalities (for example, for RTC Demo and OEVF demo).

Refer to the section "Add new data to the document repository" in the *User Guide* for information on how to manually, or using JDeveloper or Eclipse, add new data after you create the Filesys project.

# Configuring ISDK Skeleton Project

## Copying AutoVue Jar Files

Copy the files `javue.jar`, `jogl.jar` and `gluegen-rt.jar` from the directory `<AutoVue Installation directory>\bin` to your Filesys project's `WebContent\applet` folder (for Eclipse) or `public_html\applet` folder (for JDeveloper).

Copy the file `vueservlet.jar` from the directory `<AutoVue Installation directory>\bin` to your Filesys project's `WebContent\WEB-INF\lib` folder (for Eclipse) or `public_html\WEB-INF\lib` folder (for JDeveloper).

## Configuring AutoVue Server

Configuring the AutoVue Server for the ISDK Skeleton project follows the same steps as "Configuring AutoVue Server" (page 14).

## Configuring log4j.properties for Debugging

Configuring the `log4j.properties` for debugging follows the same steps as "Configuring `log4j.properties` for Debugging" (page 14).

# Configuring ISDK Web Service Client Project

## Copying AutoVue Jar files

Configuring the AutoVue jar files for the ISDK Web Service client project follows the same steps as "Copying AutoVue Jar Files" (page 14).

## Configuring AutoVue Server

Configuring the AutoVue Server for the ISDK Web Service client project follows the same steps as "Configuring AutoVue Server" (page 14).

## Configuring log4j.properties for Debugging

Configuring the `log4j.properties` for the ISDK Web Service client project debugging follows the same steps as "Configuring `log4j.properties` for Debugging" (page 14).

## Configuring SOAP Handler

- 1 Locate and uncomment the following block in web.xml and update the param-value for param wsclient.WSHanlder.

```
<!-- the SOAP handler class must extend com.cimmetry.vuelink.wsclient.backend.WSHandler -->
<init-param>
  <param-name>wsclient.WSHanlder</param-name>
  <param-value>com.cimmetry.vuelink.wsclient.backend.UserNameTokenHandler</param-value>
</init-param>
```

- 2 Replace the param-value for wsclient.WSHanlder with your desired handler.

Here is a list of handlers delivered with Filesys Sample inside the com.cimmetry.vuelink.wsclient.backend package.

Handler Name	Usage
WSHandler	No security implementation.
HTTPBasicHandler	HTTP basic authentication.
UserNameTokenHandler	Generic username token profile security.
WeblogicUserNameTokenHandler	Username token profile security for WebLogic.  Use this one if the generic UserNameTokenHandler does not work on Oracle WebLogic Server. You need to rename the source code named "WeblogicUserNameTokenHandler.java.excluded" to "WeblogicUserNameTokenHandler.java" and add "weblogic.jar" to the project's class path.

## Defining Location of Blueprint WSDL

Locate the following block in web.xml and update the <param-value> for param WSDL.

```
<!-- Define the location of Blueprint WSDL -->
<init-param>
  <param-name>WSDL</param-name>
  <param-value>... </param-value>
</init-param>
<load-on-startup>1</load-on-startup>
</servlet>
```

A sample param-value for WSDL is:

```
http://mymachine:7001/WSCClient/Blueprint?wsdl
```

# Running Filesys Project

- 1 Run the AutoVue Server.
- 2 Deploy project and start WebLogic server on Eclipse:
  - a. Go to the Servers view by clicking **Servers** .
  - b. Right-click on the Oracle WebLogic Server and then click **Add and Remove**. In the Add and Remove dialog, select your project from the left panel, click **Add** to add the project to the right panel, and then click **Finish** to exit.
  - c. Click  to start the server.
- 3 Start WebLogic server and deploy project on JDeveloper:
  - a. From Application Server Navigator, right-click IntegratedWebLogicServer and click **Start Server Instance** to start WebLogic Server.
  - b. Right-click the project, click **Deploy** and click your project's name. The Deploy dialog appears.
  - c. In the Deploy dialog, select **Deploy on Application Server**, click **Next**, then select **IntegratedWeblogicServer**.
  - d. Accept the default setting and click **Next**.
  - e. At the last page, click **Finish**.
  - f. Check the server's Deployment log and get the URL context root for testing the application. For example, `http://10.10.1.1:7101/ISDKSamples-filesys-context-root`.
- 4 Launch a Web browser and enter the URL address `http://host:port/context` to launch the home page for ISDK Demo. For example, the URLs can be `http://localhost:7001/filesys` for Eclipse and `http://10.10.1.1:7101/ISDKSamples-filesys-context-root` for JDeveloper.
- 5 If there is any problem to launch the demo, you can verify that the VueLink Servlet is running properly by launching your Web browser and enter the URL with the format `http://host:port/context/servlet/FilesysVuelink`. Replace the URL using your own hostname, WebLogic Server's port and Filesys project's name on IDE, for example, `http://localhost:7001/filesys/servlet/FilesysVuelink` or `http:// 10.10.1.1:7101/ISDKSamples-filesys-context-root`.

If VueLink is running properly, the correct response will display the VueServlet Build number, the connection state is OK and other information. If you do not get a successful response, verify that AutoVue Server is running, that your project is installed and deployed correctly, VueServlet is configured properly in web.xml, and that your application server is running and is functioning properly.

## **Known Issues**

When creating project by importing a WAR file into JDeveloper or Eclipse with WebLogic Server as runtime environment, if you want to generate a Log4j log file to the desired location defined in log4j.properties, you must copy the log4j.properties file from the public\_html/jvue folder of your JDeveloper project or WebContent/jvue folder of your Eclipse project to the src folder of your project and restart WebLogic Server. Additional configurations might be needed if the log still does not show up depending on the application server being used.

## **Feedback**

Oracle products are designed according to your needs. We would appreciate your feedback, comments or suggestions. If at any time you have questions or concerns regarding AutoVue Integration SDK, call or email us. Your input is an important part of the information used for revision.

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