

Oracle VueLink 19.3 for Documentum

System Administrator Manual

***An Integration between Documentum
and AutoVue Web Version 19.3***

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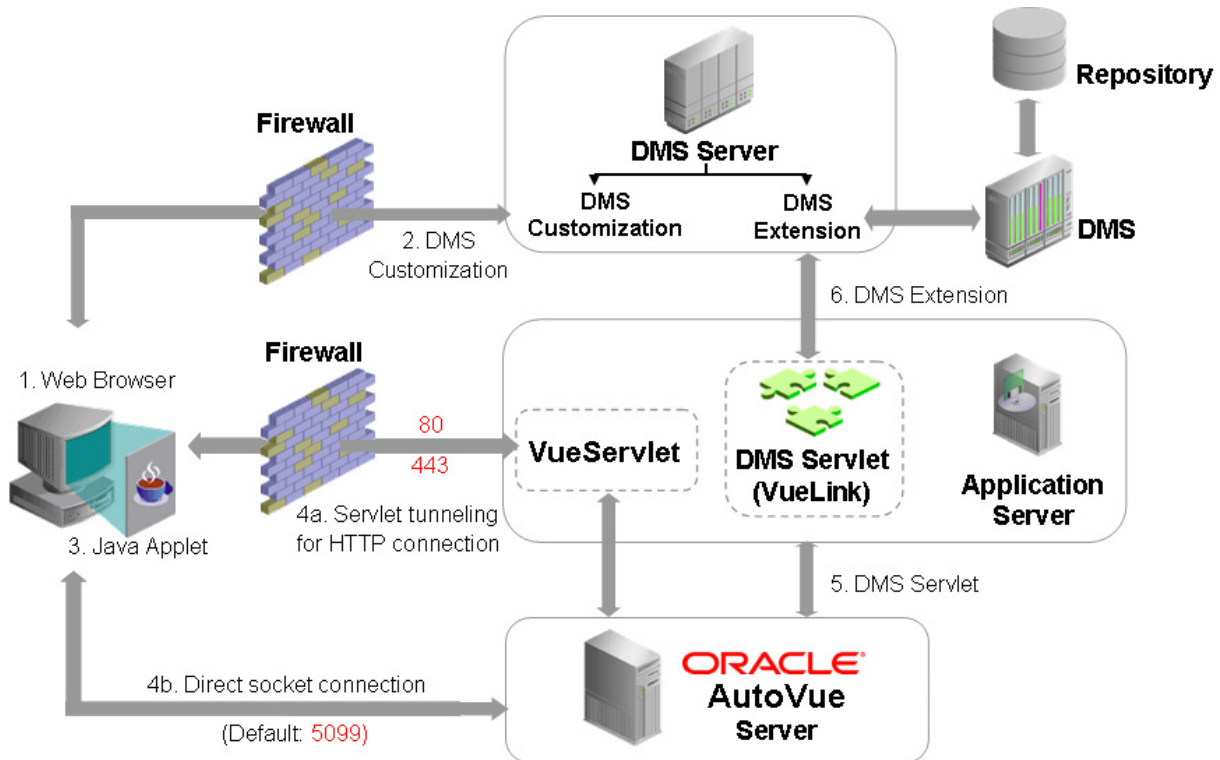
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Introduction

The VueLink servlet allows AutoVue to communicate with Documentum DMS using standard HTTP or HTTPS protocol. The following diagram illustrates a typical configuration of how AutoVue integrates with VueLink.



How VueLink for Documentum Works

The client logs on to the Document Management System (DMS) through a Web browser like Microsoft's Internet Explorer or Mozilla Firefox. With DMS customization in place, you can invoke AutoVue for a file stored in the DMS and then view the file from the AutoVue applet.

Depending on AutoVue's configuration, the AutoVue client communicates with AutoVue Server either through servlet tunnelling for HTTP connection or through direct socket connection. The AutoVue Server communicates with the VueLink servlet using standard HTTP connection. With DMS Extension installed on the server, the VueLink servlet can communicate with Documentum Webtop to handle any request made by AutoVue Server such as file fetching.

To display a composite file (a file with external references), the VueLink servlet retrieves the file along with all of its component files from DMS and makes them available to AutoVue Server. Then AutoVue processes them and the AutoVue client displays the composite file. From here you can analyze and collaborate on the file with any document review (markups) being saved back into DMS.

System Requirements

Note: For the most up-to-date list of system requirements and for a list of known issues, refer to the *Oracle VueLink 19.3 for Documentum Release Notes*.

- AutoVue Web Version 19.3 (and any service packs for Release 19.3)
- The server installation for Documentum 6 SP1 as shown in the following section.

Documentum 6 SP1

- Documentum Content Server 6 SP1 on Windows 2003R2 32-bit
- Documentum Webtop 6 SP1 on the following operating systems where Webtop and the application server are installed:
 - Windows 2003R2 32-bit
 - Solaris 10 on SUN SPARC 64-bit (VueLink running in 32-bit mode)
- Documentum Administrator 6 SP1 (Optional) - Required for registration of AutoVue Markup formats.
- Application Server / Servlet Engine:
 - BEA WebLogic Server 9.2MP2

Automatic Installation

Before AutoVue can work cooperatively with Documentum, the VueLink interface must be installed and configured. In the following section you will find instructions for installing Oracle VueLink for Documentum with the help of the InstallShield wizard. For the manual installation instructions instead, refer to [Appendix A: Manual Installation](#).

Running InstallShield for Oracle VueLink for Documentum

Oracle VueLink for Documentum setup programs are located in the \vuelink_setup directory of the media pack.

Note:

- If you are installing Oracle VueLink for Documentum on a Solaris machine, you must be logged on as Root user, have xterm access, and include the folder which contains command xterm to PATH environment variables.
- If you are installing on Solaris, run setupsolarisSparc.bin found in the \AutoVue_Web_Version\vuelink_setup\solaris directory of the media pack.
- If you are installing Webtop components, delete the application server cache after you install or uninstall Oracle VueLink for Documentum.

To run the InstallShield for Oracle VueLink for Documentum:

- 1 Verify that Documentum and AutoVue Web Version are properly installed.
- 2 Undeploy the Webtop application from the application server.
- 3 Unpack the previously deployed Webtop application WAR file to a folder.
- 4 To install VueLink, double-click **setupwin32.exe** found in the media pack under the \AutoVue_Web_Version\vuelink_setup\win32 directory.
The InstallShield Wizard for VueLink for Documentum starts.
- 5 Click **Next** to continue installation.
- 6 In the **Directory Name** field, enter the directory path where you want Oracle VueLink for Documentum installed.
For example: C:\Program Files\Oracle\VueLinkforDocumentum
The setup creates a copy of all files installed as part of the installation in this directory.
- 7 Click **Next** to continue installation.
- 8 Enter the AutoVue Server details (AutoVue Server is required for all components):
 - a. Enter the name of the host machine where AutoVue is running.
 - b. Enter the socket port for AutoVue Server.
- 9 Click **Next** to continue installation.
- 10 Enter Webtop details:
 - a. Select the version of Webtop you wish to customize.
 - b. Specify the full path of dfc.jar in the Webtop unpack folder.
 - c. Specify the path of the Webtop unpack folder.
- 11 Click **Next** to continue installation.
- 12 Select whether you want files to launch in the same AutoVue applet (embedded) or in a applet (non-embedded).
Note: You can configure the launch method after the installation.
- 13 Click **Next** to continue installation.
- 14 Click **Browse** to specify the Documentum configuration directory where the dfc.properties is located.
For example: <Webtop_Unpack_Folder>\WEB-INF\classes

- 15 Click **Next** to continue installation.
- 16 The installer summarizes the installation options.
The installer indicates if any of the components selected are not compatible with this version of VueLink.
Note: All compatible components are indicated in green.
- 17 Click **Next** to continue installation, then wait for the Installer to finish creating and updating files.
- 18 When the installation of VueLink is completed without errors, you must manually register the AutoVue Markup types. Refer to [Registering Markup and Streaming File Formats in Documentum](#) for more information.
- 19 The automatic installation is complete. However, in order to use the VueLink, some manual configuration must be performed. Refer to [Configuring Webtop](#) for more information.
- 20 Click **Finish** to exit the Installer.
- 21 Re-archive the Webtop application WAR file:
Re-archive command on Windows:

```
%JAVA_HOME%\bin\jar.exe -cvf webtop.war -C <webtop_unpack_folder> .
```

Note: You must include a space followed by a period (.) at the end of the command.

Re-archive command on Solaris:

```
$JAVA_HOME/bin/jar -cvf webtop.war -C <webtop_unpack_folder> .
```

Note: You must include a space followed by a period (.) at the end of the command.

Where JAVA_HOME is an environment variable that points to the directory where Java Virtual Machine is installed on your machine, and webtop_unpack_folder points to the staging folder where Documentum Webtop is installed.

- 22 Deploy the WAR file according to the deployment instructions in your application server documentation.

Uninstallation

After running the uninstaller, you are required to carry out some manual steps to remove customization files in order to complete the uninstallation.

To uninstall the VueLink, run **uninstaller.exe** from the _uninst subfolder of the VueLink installation directory. To complete the uninstallation, you must perform additional manual steps:

- 1 Delete **web.xml** under <Webtop Root>\WEB-INF. Rename previous backup **web.xml** to **web.xml** under <Webtop Root>\WEB-INF.
- 2 Delete all files and folders manually created during configuration of the VueLink servlet for Documentum.
- 3 Shutdown your application server and clear application server cache.

Configuration

The following sections describe how to configure the VueLink servlet for Documentum.

Configuring Webtop

After running the installer, complete the configuration for the files listed in this section.

Configuring dm_document_actions.xml for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 In the <Webtop Root>\custom\config\ directory, create a new file named “dm_document_actions.xml”.
- 2 Open the **dm_document_actions.xml** file in a text editor and manually enter the following block of text:

```
<?xml version="1.0" encoding="UTF-8" ?>
<config version="1.0">
  <scope type="dm_document">
    <action id="submitforcategorization" extends="submitforcategorization:webcomponent/config/actions/
dm_document_actions.xml"/>
    <action id="newrelation" extends="newrelation:webcomponent/config/actions/dm_document_actions.xml"/>
    <actionlist modifies="default:webcomponent/config/actions/dm_sysobject_actions.xml">
      <insertbefore path="action[id=checkout]">
        <action id="autovue" nlsid="MSG_AUTOVUE"/>
      </insertbefore>

      <insertbefore path="moreactionsmenu.menu[id=file].action[id=saveasxforms]">
        <action id="autovue" nlsid="MSG_AUTOVUE"/>
      </insertbefore>
    </actionlist>

    <menuconfig modifies="context-menu:webcomponent/config/actions/dm_sysobject_actions.xml">
      <insertbefore path="actionmenuitem[action=editfile]">
        <actionmenuitem dynamic="singleselect" action="autovue" nlsid="MSG_AUTOVUE" showifdisabled="false"
showifinvalid="false"/>
      </insertbefore>
    </menuconfig>

    <!-- action definitions -->
    <action id="autovue">
      <params>
        <param name="objectId" required="true"/>
        <param name="contentType" required="false"/>
      </params>
      <preconditions>
        <precondition class="com.documentum.webcomponent.library.actions.ViewAction"/>
      </preconditions>
      <execution class="com.documentum.web.formext.action.LaunchComponentWithPermitCheck">
        <permit>read_permit</permit>
        <component>autovue</component>
      </execution>
    </action>
  </scope>
</config>
```

- 3 Save the changes made and close the file.

Configuring dmr_content_actions.xml for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 In the <Webtop Root>\custom\config\ directory, create a new file named "dmr_content_actions.xml".
- 2 Open the **dmr_content_actions.xml** file in a text editor and manually enter the following block of text:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<config version="1.0">
  <scope type="dmr_content">
    <actionlist modifies="default:/webcomponent/config/actions/dmr_content_actions.xml">
      <insertbefore path="action[id=delete]">
        <action id="autovue" nlsid="MSG_AUTOVUE"/>
      </insertbefore>
    </actionlist>

    <menuconfig modifies="context-menu:/webcomponent/config/actions/dmr_content_actions.xml">
      <insertbefore path="actionmenuitem[action=exportrendition]">
        <actionmenuitem dynamic="singleselect" action="autovue" nlsid="MSG_AUTOVUE" showifdisabled="false"
showifinvalid="false"/>
      </insertbefore>
    </menuconfig>

    <!-- AutoVue action -->
    <action id="autovue">
      <params>
        <param name="objectId" required="true"></param>
        <param name="contentType" required="true"></param>
      </params>
      <preconditions>
        <precondition class="com.documentum.webcomponent.library.actions.ViewAction">
          </precondition>
        </preconditions>
      <execution class="com.documentum.web.formext.action.LaunchComponent">
        <component>autovue</component>
      </execution>
    </action>
  </scope>
</config>
```

- 3 Save the changes made and close the file.

Configuring menubar_component.xml for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 In the <Webtop Root>\custom\config\ directory, create a new file named "menubar_component.xml".
- 2 Open the file with a text editor.

- 3 Manually enter the following block of text:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<config version="1.0">
  <scope>
    <component modifies="menubar:/webtop/config/menubar_component.xml">
      <replace path="nlsbundle">
<nlsbundle>com.documentum.webtop.webcomponent.menubar.MenuBarNlsProp</nlsbundle>
      </replace>
    </component>
    <menuconfig modifies="menubar_file_menu:/webcomponent/config/library/menubar/menubar_component.xml">
      <insertafter path = "menu[name=file_menu].actionmenuitem[id=file_view]">
        <actionmenuitem dynamic="singleselect" id="file_view_as_autovue" name="file_view_as_autovue"
nlsid="MSG_AUTOVUE" action="autovue" showifinvalid="true"/>
      </insertafter>
    </menuconfig>
  </scope>
</config>
```

- 4 Save and close the file.

Configuring toolbar_component.xml for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 In the <Webtop Root>\webtop\config\ directory, create a new file named “toolbar_component.xml”.
- 2 Open the file with a text editor.

- 3 Manually enter the following block of text:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<config version="1.0">
  <scope>
    <component modifies="toolbar:/webtop/config/toolbar_component.xml">
      <replace path="pages.start">
        <start>/custom/toolbar/toolbar.jsp</start>
      </replace>
      <replace path="nlsbundle">
<nlsbundle>com.documentum.webtop.webcomponent.toolbar.ToolBarNlsProp</nlsbundle>
      </replace>
    </component>
  </scope>
</config>
```

- 4 Save and close the file.

Configuring toolbar.jsp for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 Create a sub folder 'toolbar' under the <Webtop Root>\custom directory.
- 2 Copy the **toolbar.jsp** file from the <Webtop Root>\webtop\classic\toolbar\ directory to the <Webtop Root>\custom\toolbar\ directory.
- 3 Open the copied file with a text editor and locate the following text:

```
<td nowrap>
<dmfx:actionlink cssclass='toolbaractions' dynamic="multiselect" name='checkin' action='checkin' nlsid='MSG_CHECKIN'
tooltipnlsid='MSG_CHECKIN' src="icons/toolbar/icon_checkin_16.gif" srcdisabled="icons/toolbar/
icon_checkin_disabled_16.gif" linkspacer="10" showifdisabled="true" showifinvalid='true' />
</td>
```

Manually enter the following text before it:

```
<td nowrap><dmfx:actionlink cssclass='toolbaractions' dynamic="singleselect" name="autovue" action="autovue"
nlsid="MSG_AUTOVUE" tooltipnlsid="MSG_AUTOVUE" src="icons/toolbar/icon_checkin_16.gif" srcdisabled="icons/
toolbar/icon_checkin_disabled_16.gif" linkspacer="10" showifdisabled="true" showifinvalid='true' /></td>
```

- 4 Save the changes made and close the file.

Configuring GenericActionNlsProp.properties for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 Create the following folders *strings\com\documentum\webcomponent* under the <Webtop Root>\custom directory.
- 2 Copy the **GenericActionNlsProp.properties** file from the <Webtop Root>\webcomponent\strings\com\documentum\webcomponent directory to the <Webtop Root>\custom\strings\com\documentum\webcomponent directory.
- 3 Using a text editor, open the copied file and locate the following line:

```
MSG_CANCEL_REQUEST=Cancel Request
```

Manually enter the following line after it:

```
MSG_AUTOVUE=AutoVue
```

- 4 Save the changes made to the file, and close the file.

Configuring MenuBarNlsProp.properties for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 Create the following folders *strings\com\documentum\webtop\webcomponent\menubar* under the <Webtop Root>\custom directory.
- 2 Copy the file **MenuBarNlsProp.properties** from <Webtop Root>\webtop\strings\com\documentum\webtop\webcomponent\menubar\ directory to <Webtop Root>\custom\strings\com\documentum\webtop\ webcomponent\menubar\ directory.
- 3 Open the copied file with a text editor and locate the line:

```
NLS_INCLUDES=com.documentum.webcomponent.library.menubar.MenuBarNlsProp
```

Manually enter the following line after it:

```
MSG_AUTOVUE=AutoVue
```

- 4 Save the changes made and close the file.

Configuring ToolBarNlsProp.properties for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 Create the following folders *strings\com\documentum\webtop\webcomponent\toolbar* under the <Webtop Root>\custom directory.
- 1 Copy the file **ToolBarNlsProp.properties** from <Webtop Root>\webtop\strings\com\documentum\webtop\webcomponent\toolbar\ directory to <Webtop Root>\custom\strings\com\documentum\webtop\webcomponent\toolbar\ directory.

- 2 Open the copied file with a text editor and locate the line:

`MSG_CHECKOUT=Check Out`

Manually enter the following line just before it:

`MSG_AUTOVUE=AutoVue`

- 3 Save and close the file.

Configuring autovue_component.xml for Webtop

The following step is only mandatory if you are doing a manual installation of Oracle VueLink for Documentum for Webtop.

From the AutoVue_Web_Version\dms_extension\webtop6.0sp1\custom\config directory of the media pack, copy the *autovue_component.xml* file to the <Webtop Root>\custom\config directory.

Configuring web.xml for Webtop

Following instructions are mandatory if you are doing an automatic or manual installation for Oracle VueLink for Documentum for Webtop:

- 1 Backup web.xml under the <Webtop Root>\WEB-INF directory.
- 2 Using a text editor, open the **web.xml** file found under the <Webtop Root>\WEB-INF directory.
- 3 Locate the position that marks the end of servlet blocks and the beginning of servlet-mapping servlets.

Manually enter the following block of text:

```
<servlet>
  <description>com.cimmetry.vuelink.documentum.DMS</description>
  <servlet-name>com.cimmetry.vuelink.documentum.DMS</servlet-name>
  <servlet-class>com.cimmetry.vuelink.documentum.DMS</servlet-class>
  <init-param>
    <param-name>Verbose</param-name>
    <param-value>0</param-value>
  </init-param>
  <init-param>
    <param-name>properties</param-name>
    <param-value>\custom\jvue\vuelink.properties</param-value>
  </init-param>
  <init-param>
    <param-name>LogFile</param-name>
    <param-value><LogFileFullPath></param-value>
  </init-param>
</servlet>

<servlet>
  <description> com.cimmetry.servlet.VueServlet</description>
  <servlet-name>com.cimmetry.servlet.VueServlet</servlet-name>
  <servlet-class>com.cimmetry.servlet.VueServlet</servlet-class>
  <init-param>
    <param-name>JVUEServer</param-name>
    <param-value><jVue Server Host>:<port></param-value>
  </init-param>
  <init-param>
    <param-name>Verbose</param-name>
    <param-value>0</param-value>
  </init-param>
  <init-param>
    <param-name>DebugLevel</param-name>
    <param-value>0</param-value>
  </init-param>
</servlet>

<servlet-mapping>
  <servlet-name>com.cimmetry.vuelink.documentum.DMS</servlet-name>
  <url-pattern>/com.cimmetry.vuelink.documentum.DMS</url-pattern>
</servlet-mapping>

<servlet-mapping>
  <servlet-name>com.cimmetry.servlet.VueServlet</servlet-name>
  <url-pattern>/servlet/VueServlet</url-pattern>
</servlet-mapping>
```

Replace <jVue Server Host>:<port> with the host name and the port for AutoVue Server.

Replace <LogFileFullPath> with the full path of the log file.

4 Locate the following block:

```
<param-value>
<![CDATA[(\\.bmp|\\.css|\\.htm|\\.html|\\.gif|\\.jar|\\.jpeg|\\.jpg|\\.js|\\.properties|\\.xml)$]]>
</param-value>
```

Replace the above text by manually entering the following:

```
<param-value>
<![CDATA[(\.\bmp\.\css\.\htm\.\html\.\gif\.\jar\.\jpeg\.\jpg\.\js\.\properties\.\xml|com\.\cimmetry\.\vuelink\.\documentum\.\DMS|ser
vlet\VueServlet$)]>
</param-value>
```

5 Save the changes and restart the application server.

Note: If you wish to enable verbosity for the VueLink servlet, set init parameter Verbose to 1 for com.cimmetry.vuelink.documentum.DMS. The VueLink servlet outputs the debug messages to the log.

Configuring csiAutoVue4webtop.jsp for Webtop

The following steps are mandatory if you are installing VueLink for Documentum for Webtop manually. If you are running the installer, these parameters are automatically configured by the installer. These parameters can also be changed at any point after the installation.

To specify AutoVue Server and Client parameters and the URL to the VueLink servlet for Webtop, take the following steps:

- 1 Create the *autovue* folder under the folder <Webtop Root>\custom\ directory.
- 2 From the AutoVue_Web_Version\dms_extension\webtop6.0sp1\custom\autovue directory of the media pack, copy the **csiAutoVue4webtop.jsp** file to the <Webtop Root>\custom\autovue directory.
- 3 Using a text editor such as Notepad, open the csiAutoVue4webtop.jsp file and locate the following line:

```
String sJVueServer = "<JVUE-SERVER>";
```

Change the string "<JVUE-SERVER>" to the host name and port of the AutoVue server. Use the format of "HostName:port". For example, if you use the AutoVue server on myjVue on port 5099, the line should be changed to:

```
String sJVueServer = "myjVue:5099";
```

4 Save the changes and close the file.

Registering Markup and Streaming File Formats in Documentum

The Documentum Docbase must be configured to allow creation of different types of Markup files. Otherwise, the default file type — binary — is used, and all markup files are treated as "Normal" Markups.

For AutoVue and Oracle VueLink for Documentum to check-in streaming files into the Docbase, you must register the streaming file format.

A Documentum user with administrative rights can register these file formats with the following steps.

Note: If you already registered the Markup and streaming file formats in Documentum, you must change the description of the *csiMetafile* format manually. Refer to [Updating Description for csiMetafile Format](#).

Utility to Register Markup and Streaming File Formats

The installer for Oracle VueLink for Documentum for Documentum creates a utility to register Markup and streaming file formats. To run the utility, follow these steps:

- 1 Go to <Oracle VueLink for Documentum Install folder>\bin.
- 2 Run runsetter2.bat, using the following syntax:

```
runsetter2.bat <options> <docbroker> <docbase> <username> <password>
```

Where

- **<options>** can be:
 - **-d** - delete Markup and streaming file formats if already created
 - **-cmmf** - register Markup and streaming file formats.
- **<docbroker>** is the name of the docbroker
- **<docbase>** is the name of the docbase where you want to register Markup and metafile formats
- **<username>** is the name of the Documentum user; user should have Administrative privileges
- **<password>** is the password for user <username>

Repeat steps 1 and 2 for all docbases you wish to customize.

Manually Registering Markup and Streaming File Formats

Refer to the instructions in this section if you want to manually register Markup and streaming file formats.

- 1 Open the Documentum Administrator home page in a Web browser.
- 2 Connect to the Docbase to which you want to add AutoVue Markup formats.
- 3 Enter the user name, password and domain for the Administrator account.
- 4 Click **Formats** in the left frame.

The list of formats appears.

- 5 For each file format, click **New** to create a new format.
- 6 Enter the **Format Name** and **Format Description**.

Format Name	Format Description
markup	Regular markups
mmarkup	Master markups
cmarkup	Consolidated markups
csiMetafile	Streaming File

- 7 Click **Create**.

There are now four newly registered file formats.

Updating Description for csiMetafile Format

- 1 Launch your Web browser and go to the Documentum Administrator home page.
- 2 Connect to the Docbase to which you need to update the description for the csiMetafile format.
- 3 Enter your username, password, and domain for the Administrator account.
- 4 From the left frame, click **Formats**.
The list of formats appears.
- 5 Search for the **csiMetafile** format.
- 6 Right-click the format **csiMetafile** and then select **Properties**.
- 7 Change the **Description** to “Streaming File”.
- 8 Click **OK**.

Configuring VueLink Properties

- 1 Open the file vuelink.properties that you copied to the Servlets folder of your Application Server/Servlet Engine.
- 2 Modify any of the following settings as required:

Setting	Syntax	Description
DisableCache	DisableCache=false	Set to true if you want to force file download every time the file is viewed.
MarkupFolder	MarkupFolder= /Temp/CSIMarkups; /Temp/Redlines	To define a list of folders in which Markups can be stored, set MarkupFolder as a semicolon-separated list of folder names. The folder to which a Markup file is saved depends on the folder selected from the Save dialog. Make sure the folder exists and users have write access to it. Note: The folders are relative to the Webtop root directory.
DefMarkupOwnerPerms	DefMarkupOwnerPerms=n	Where n is a value 1 through 7 indicating the following Documentum permissions: DM_PERM_NONE 1 DM_PERM_BROWSE 2 DM_PERM_READ 3 DM_PERM_RELATE 4 DM_PERM_VERSION 5 DM_PERM_WRITE 6 DM_PERM_DELETE 7 Note: This option is used to control the permission on Markup folder. The permission is set on newly created Markup folder. Does not overwrite any existing Markup folder permission.
DefMarkupGroupPerms	DefMarkupGroupPerms=n	
DefMarkupWorldPerms	DefMarkupWorldPerms=n	
AllMarkupsReadOnly	AllMarkupsReadOnly=0	Set to 1 if all existing Markups are to be treated as ReadOnly. Even owners cannot modify/save his existing Markup.
AllowDuplicateMarkups	AllowDuplicateMarkups=1	Set to 0 if you do not wish to allow markups with the same name. Default: 1
ATTRIBUTE LIST	ATTRIBUTE LIST=CSI_DocSize; CSI_DocAuthor; CSI_DocDateLastModified;CSI_ DocDateCre- ate;CSI_Version;CSI_UserName	The properties file defines by default the list of the attribute names. To define additional attributes, append to the list the attribute names using a semicolon as a separator. These attributes are read for Webtop.
AllowRenditions	AllowRenditions = CSI_META; PCRS_TIF; PCVC_PDF; PCRS_BMP	Semi-colon separated list of allowed formats used as renditions. The list should include valid Documentum formats: PCRS_TIF is mapped to the TIFF format, PCVC_PDF is mapped to the PDF format, PCRS_BMP is mapped to the BMP format, and CSI_META is mapped to the streaming file format.
DEF_ACL	DEF_ACL=ACL_CSI	Specify the name of the ACL to set permission on newly created Markups.

Setting	Syntax	Description
DEF_ACLDOMAIN	DEF_ACLDOMAIN = doc42test_01	Specify the name of the ACL owner.
CustomFolders	CustomFolders= csc_folder; csc_cabinets	By default, VueLink ignores any folder type other than dm_cabinet and dm_folder. If you have custom folders, specify a list of custom folders. VueLink will list all specified folder types.
CSI_IntellistampDefLocation	CSI_IntellistampDefLocation= C:/temp/dmstamps.ini or CSI_IntellistampDefLocation= /System/dmstamps.ini	Specify the location of intellistamp definition file which is either the full path to a local file or a DMS location.
CSI_MarkupPolicyDefLocation	CSI_MarkupPolicyDefLocation= C:/temp/MarkupPolicy.xml or CSI_MarkupPolicyDefLocation= /System/MarkupPolicy.xml	Specify the location of markup policy file which is either the full path to a local file or a DMS location.

Configuring Markup Policy for Mobile Packs

This configuration is optional. Markup policy defines a set of rules to determine certain restrictions and privileges for users of the Mobile Pack. When creating the Mobile Pack, you can define your own policy file or use the sample markup policy file that is shipped with Oracle VueLink for Documentum. The sample markup policy is located in the <VueLink Installation folder>\bin directory and provides the following functions for markups:

- The master markups appear automatically.
- Offline master markups can only be deleted and saved by their owner. Other users can modify the offline master markups and save them with a different name by using the **Save As** action.

To specify a markup policy for the Mobile Pack, do the following:

- 1 Open the vuelink.properties file in a text editor.
- 2 Specify the location of the markup policy file.
This file can either be checked into Documentum or it can be on the local file system of the application server machine.
- 3 Save and close the vuelink.properties file.

If you specify a DMS location for the markup policy file, you must check-in the file to all the repositories that you want to customize.

For detailed information on how to create a markup policy file, refer to the *AutoVue Web Version Installation and Administration Manual*.

Specifying Intellistamp Definition

This configuration is optional. The Intellistamp markup entity lets you create a stamp that includes document and user information (metadata) pulled directly from the backend DMS system.

For detailed information on how to create an Intellistamp definition file, refer to *AutoVue Web Version User's Manual*.

After creating the Intellistamp definition file, you must do the following:

- 1 Open the vuelink.properties file in a text editor.
- 2 Specify the location of the Intellistamp definition file.
This file can either be checked into Documentum or it can be on the local file system of the application server machine.
- 3 Save and close the vuelink.properties file.

If you specify a DMS location for the Intellistamp definition file, you must check in the file to all the repositories that you want to customize. Additionally, ensure that the images referenced in the Intellistamp definition file are checked into the same folder in DMS.

Configuring Launch Mode for AutoVue Client

After installing Oracle VueLink for Documentum for Webtop, follow the instructions in this section to modify the file launch mode to open a file in AutoVue in a new window or in the same window.

- 1 Go to <Webtop Root>\custom\autovue.
- 2 Using a text editor such as Notepad, open the **csiAutoVue4webtop.jsp** file for Webtop.

- 3 Locate the following section of code:

```
<script language="JavaScript">
<!-- hide script from old browsers

    var PROG = "separated";

    if (PROG == "EMBEDDED") {
        CreateEmbeddedApplet();
    } else {
        CreateApplet();
    }
}
```

- 4 To launch a file in the same window, change the value **PROG** to **EMBEDDED**.
- 5 To launch a file in a separate window, change the value **PROG** to **SEPARATED**.
- 6 Save and close the file.

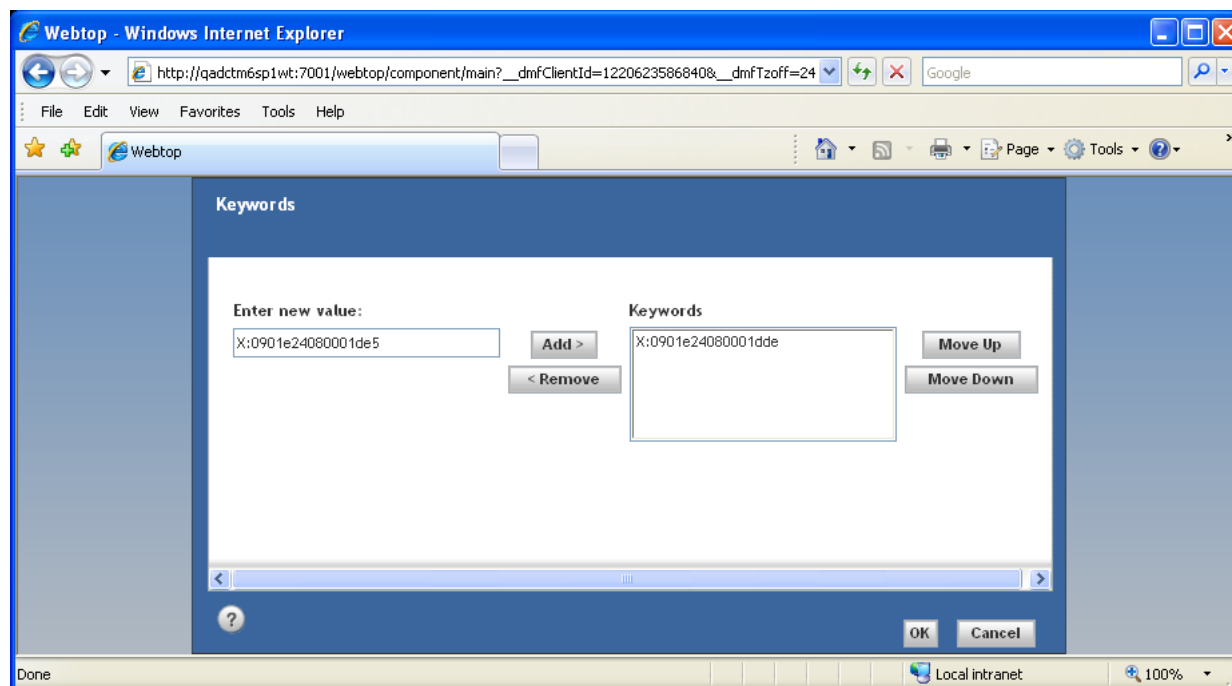
Completing the Configuration for XRefs

Some Computer Aided Design (CAD) packages, such as AutoCAD and Microstation, have implemented the concept of composite or hybrid drawings. These drawings consist of multiple files, usually called External Reference Files (XRefs). VueLink provides support for XRefs. Before VueLink can ‘fetch’ XRefs out of Documentum, however, a relationship between XRef files and their base drawings needs to be established.

To establish a relationship between XRefs and their base files, take the following steps:

- 1 Check in the file and its associated XRefs into Documentum
- 2 Obtain the document ID for all XRef files:
 - a. Click **Properties** for each XRef file.
 - b. Select **Show all properties**.
 - c. Obtain the document ID from this page (r_object_id).
- 3 Go to the **Properties** for the base file.
 - a. Click **Edit** for the **Keywords**.

b. Enter the XRef definition here.



c. Click **OK** to accept the changes.

For the definition, follow the syntax indicated in the following table:

Syntax	Description
X:nnnnnnnnnnnnnnnnnnnn:<filename>	<ul style="list-style-type: none"> X: communicates to Documentum that you are about to specify a link to an external reference file.
Or...	<ul style="list-style-type: none"> nnnnnnnnnnnnnnnnnnnn: the object-id Documentum associates with the external reference document
X:nnnnnnnnnnnnnnnnnnnn	<ul style="list-style-type: none"> <filename>: the file name of the external reference document. Optional.

Enabling HTTPS/SSL

Updating or enabling HTTPS/SSL

VueLink supports connections to HTTPS (Secure HyperText Transfer Protocol) using SSL (Secure Socket Layer).

- 1 In a text editor such as Notepad, open the file `java.security` under the `<JRE Home>\jre\lib\security` directory. `<JRE Home>` is the root folder where Sun's Java Runtime Environment (JRE) is installed.
- 2 Look for the line containing “`security.provider.2`” under the **# List of Providers** section.

Manually enter the following line that appears in bold:

```
#  
# List of Providers and their preference orders (see above):  
#  
security.provider.1=sun.security.provider.Sun  
security.provider.2=com.rsajca.Provider  
security.provider.3=com.sun.net.ssl.internal.ssl.Provider
```

- 3 If you already have an entry with “security.provider.3”, replace “3” with the next available number.

Enabling HTTPS/SSL support with Application Server/Servlet Engine

If you obtained a Trial SSL ID from VeriSign (CA), you must install Test CA Root into the JRE used by your Application Server/Servlet Engine. VeriSign has implemented this step to prevent fraudulent use of Test Server IDs. When you purchase a regular Secure Server ID, you will not have to perform this step. For example, if you have obtained Trial SSL ID for Microsoft IIS Web server, then do the following:

- 1 Import the SSL ID you obtained from CA into Internet Explorer and then export it in Base-64 encoded format X.509.

Note: The SSL ID should be the ID installed on the Web Server.

- 2 Import the Base-64 SSL ID to cacerts file using keytool.exe.

Example:

```
C:\jdk1.3.1\bin>keytool -import -alias otserver -file c:\ss13.cer -trustcacerts  
-v -keystore C:\jdk1.3.1\jre\lib\security\cacerts  
  
password: changeit  
  
Serial number: 257bc618dbdcfb7befc81c2fce739a8a  
Valid from: Wed Apr 10 20:00:00 EDT 2002 until: Thu Apr 25 19:59:59 EDT 2002  
Certificate fingerprints:  
MD5: E5:0B:A7:36:B7:B9:76:71:72:D8:D7:EB:57:5D:13  
SHA1: E9:CE:9C:7F:28:68:7D:6D:1C:0B:4D:18:26:87:63:0C:54:05:98  
Trust this certificate? [no]: yes  
Certificate was added to keystore  
[Saving C:\jdk1.3.1\jre\lib\security\cacerts]
```

Note: You need to repeat step 2 to import the SSL ID into cacerts file for JRE used by AutoVue Server. The location for cacerts file is <AutoVue Install Directory>\jre\1.3\lib\security\cacerts.

Example:

```
C:\Program Files\jVue\jre\1.3\bin>keytool -import -alias otserver -file c:\ssl3.cer -trustcacerts -v -keystore  
C:\Program Files\jVue\jre\1.3\lib\security\cacerts
```

- 3 Restart your application server (servlet engine) for the changes to take effect.
- 4 To verify that the SSL ID was successfully imported into cacerts, use the keytool utility.

Example:

```
C:\jdk1.3.1\bin>keytool -list -keystore C:\jdk1.3.1\jre\lib\security\cacerts
```

Note: When HTTPS is enabled, make sure the file csjVue.html is updated with the right web port for sCODEBASE. Open the file csjVue.html and locate the string sCODEBASE. Specify a valid port after the web server. For IIS, the default port number is 443.

Example:

```
;String sCODEBASE = sServerProtocol + otserver:443/jVue
```

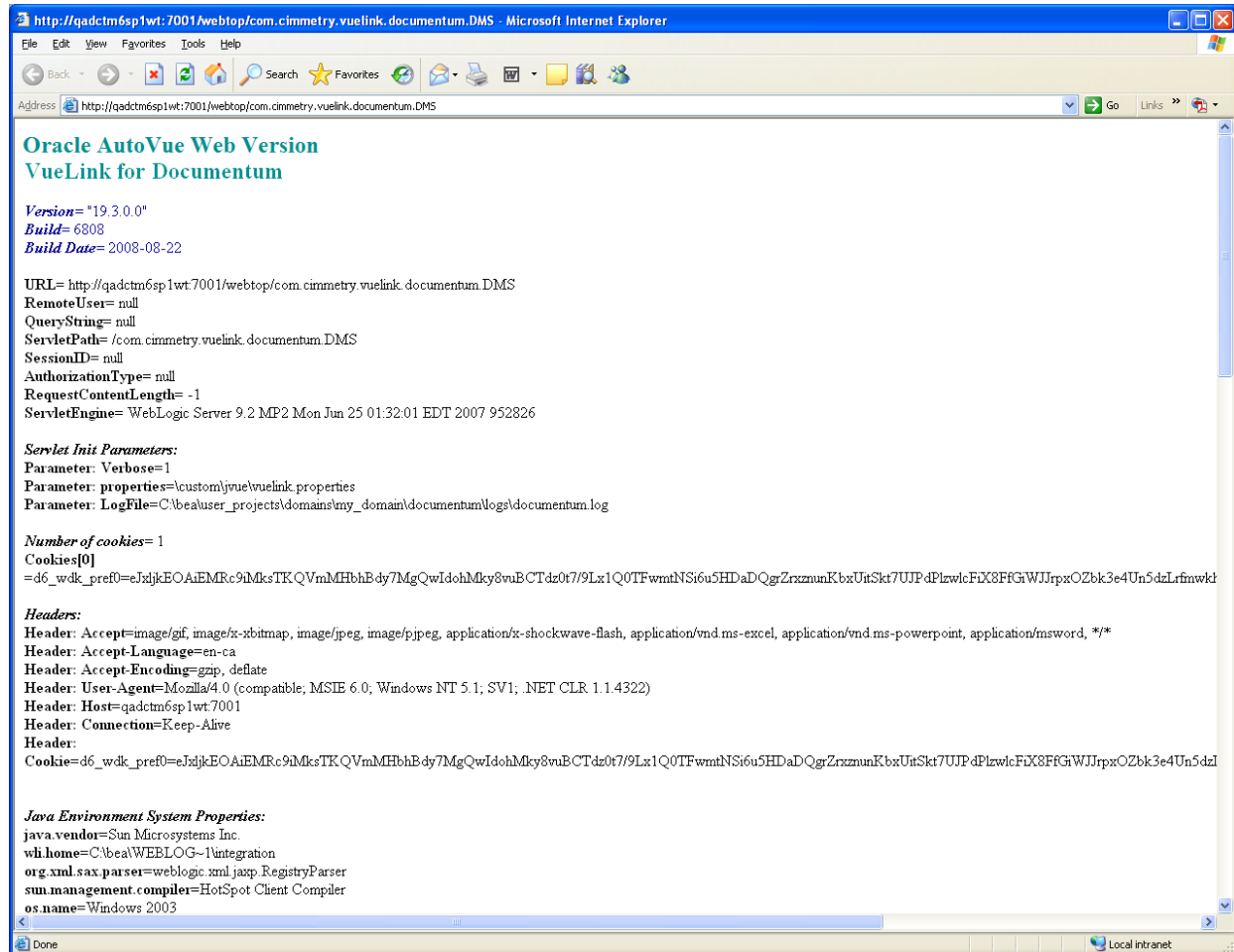
Verification

To verify that the VueLink servlet (com.cimmetry.vuelink.documentum.DMS) is working properly, launch your Web browser and enter the URL pointing to the servlet alias name which you assigned when you installed the vuelink.jar into the application server.

Example of an URL:

http://127.0.0.1:7001/webtop/com.cimmetry.vuelink.documentum.DMS

The following screen represents a sample response indicating that Oracle VueLink for Documentum is running properly. If you do not receive a similar response, refer to the installation instructions.



Note: Build number and Build Date are also shown in the response.

Appendix A: Manual Installation

The installation of Oracle VueLink for Documentum requires the following:

- Copying files that customize Documentum and enable launching AutoVue from within Documentum
- Configuring the installation
- Installing the VueLink Servlet
- Verifying the Servlet

Manually Installing Oracle VueLink for Documentum 6

Note:

- <Webtop Root> is the location where Webtop is unpacked.
- Delete the Application Server cache after you install/uninstall the VueLink.

The following steps describe how to manually install Oracle VueLink for Documentum and Webtop:

- 1 Verify that Documentum and Webtop are installed properly.
- 2 Undeploy the Webtop application from the application server.
- 3 Unpack the successfully deployed Webtop application WAR file to a folder.
- 4 From <Webtop Root>\custom directory open the **app.xml** file and verify that it contains the following line of code:

```
<application extends="webtop/app.xml" >  
</application>
```

- 5 Configure the **dm_document_actions.xml** file.
Refer to the steps described in [Configuring dm_document_actions.xml for Webtop](#).
- 6 Configure the **dmr_content_actions.xml** file.
Refer to the steps described in [Configuring dmr_content_actions.xml for Webtop](#).
- 7 Configure the **menubar_component.xml** file.
Refer to the steps described in [Configuring menubar_component.xml for Webtop](#).
- 8 Configure the **toolbar_component.xml** file.
Refer to the steps described in [Configuring toolbar_component.xml for Webtop](#).
- 9 Configure the **toolbar.jsp** file.
Refer to the steps described in [Configuring toolbar.jsp for Webtop](#).
- 10 Configure the **GenericActionNlsProp.properties** file.
Refer to the steps described in [Configuring GenericActionNlsProp.properties for Webtop](#).
- 11 Configure the **MenuBarNlsProp.properties** file.
Refer to the steps described in [Configuring MenuBarNlsProp.properties for Webtop](#).
- 12 Configure the **ToolBarNlsProp.properties** file.
Refer to the steps described in [Configuring ToolBarNlsProp.properties for Webtop](#).
- 13 Configure the **autovue_component.xml** file.
Refer to the steps described in [Configuring autovue_component.xml for Webtop](#).
- 14 Configure the **web.xml** file.
Refer to the steps described in [Configuring web.xml for Webtop](#).
- 15 Create a subfolder called **autovue** under <Webtop Root>\custom directory.

- 16 From the \AutoVue_Web_Version\dms_extension\webtop6.0sp1\custom\autovue directory of the media pack, copy the csiAutoVue4webtop.jsp file to the *autovue* folder you created in the previous step. Edit this file as described in [Configuring csiAutoVue4webtop.jsp for Webtop](#).
- 17 Create a subfolder called **javue** under the <Webtop Root>\custom directory.
- 18 Copy the AutoVue client files javue.jar, jogl.jar, and gluegen-rt.jar from <AutoVue Install Directory>\bin to the <Webtop Root>\custom\javue directory.
- 19 From the \AutoVue_Web_Version\vueLink_servlet directory of the Media Pack, copy all files, except vueLink.properties, to the <Webtop Root>\WEB-INF\lib directory.
- 20 From the \AutoVue_Web_Version\vueLink_servlet directory of the Media Pack, copy the vueLink.properties file to the <Webtop Root>\custom\javue directory.
Note: The vueLink.properties file can be copied to any location under the <Webtop Root> directory. If you choose to save vueLink.properties in another location, the file path must be updated in web.xml.
- 21 To verify that Oracle VueLink for Documentum servlet works properly see [Verification](#).
- 22 Perform other optional configuration for the Oracle VueLink for Documentum. Refer to section [Configuration](#).
- 23 Re-archive the Webtop application WAR file.

Re-archive command on Windows:

```
%JAVA_HOME%\bin\jar.exe -cvf webtop.war -C <webtop_unpack_folder> .
```

Note: You must include a space followed by a period (.) at the end of the command.

Re-archive command on Solaris:

```
$JAVA_HOME/bin/jar -cvf webtop.war -C <webtop_unpack_folder> .
```

Note: You must include a space followed by a period (.) at the end of the command.

Where JAVA_HOME is an environment variable that points to the directory where Java Virtual Machine is installed on your machine, and webtop_unpack_folder points to the staging folder where Documentum Webtop is installed.

- 24 Deploy the WAR file according to the deployment instructions in your application server documentation.

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 Oracle VueLink for Documentum, call or email us. Your input is an important part of the information used for revision.

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