

VirtualViewer[®]

Taskspace Integration Deployment Guide



DOC-0200-01

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Chapter 1 - Taskspace – Snowbound Viewer integration

Prerequisites

The prerequisite to integrate VirtualViewer HTML5 and Taskspace is a working Taskspace 1.6 web application.

Note:

Please back up all the files before the changes listed below are applied.

Steps to merge viewer with **taskspace.war**:

1. Copy the complete **VirtualViewerJavaHTML5** folder inside root directory of **taskspace** application.

From artifact: **VirtualViewerJavaHTML5.zip**

To : \\TomcatPath\webapps\taskspace\VirtualViewerJavaHTML5

VirtualViewerJavaHTML5	7/19/2016 2:34:47 PM
css	7/19/2016 2:34:40 PM
js	7/19/2016 2:34:41 PM
lib	7/19/2016 2:34:41 PM
Marketing	7/19/2016 2:34:41 PM
META-INF	7/19/2016 2:34:41 PM
resources	7/19/2016 2:34:47 PM
Sample-Code	7/19/2016 2:34:47 PM
Sample-Documents	7/19/2016 2:34:50 PM
jshintrc	630 7/16/2016 12:34:00 PM
BuildInfo.txt	88 7/16/2016 12:34:00 PM
config.js	17,490 7/19/2016 2:35:02 PM
output.properties	795 7/16/2016 12:34:00 PM
viewer.html	72,273 7/16/2016 12:34:00 PM

2. Copy **Snowbound JARs** in **Taskspace**.

From artifact: WEB-INF.zip\lib

TO: \\TomcatPath\webapps\taskspace\WEB-INF\lib

Note:

There are two conflicts observed during copying of JAR files i.e. mail.jar and activation.jar. Keep the ones provided with taskspace by default.

activation	3/25/2016 10:38 AM	Executable Jar File	62 KB
AdvancedImagingAPI	3/25/2016 10:38 AM	Executable Jar File	5 KB
aspose.slides-8.4.0	3/25/2016 10:38 AM	Executable Jar File	17,592 KB
Aspose.Words.jdk15	3/25/2016 10:38 AM	Executable Jar File	9,321 KB
aspose-cells-8.0.2	3/25/2016 10:38 AM	Executable Jar File	4,989 KB
bcpkix-jdk15on-1.49	3/25/2016 10:38 AM	Executable Jar File	615 KB
bcprov-jdk15on-1.49	3/25/2016 10:38 AM	Executable Jar File	2,419 KB
CMAP-All	3/25/2016 10:38 AM	Executable Jar File	1,055 KB
dom4j-1.6.1	3/25/2016 10:38 AM	Executable Jar File	307 KB
itextpdf	3/25/2016 10:38 AM	Executable Jar File	2,231 KB
itext-pdfa	3/25/2016 10:38 AM	Executable Jar File	112 KB
itext-xtra	3/25/2016 10:38 AM	Executable Jar File	117 KB
json	3/25/2016 10:38 AM	Executable Jar File	35 KB
jWebEngine	3/25/2016 10:38 AM	Executable Jar File	768 KB
license	3/25/2016 10:38 AM	Executable Jar File	1 KB
log4j-1.2.14	3/25/2016 10:38 AM	Executable Jar File	359 KB
mail	3/25/2016 10:38 AM	Executable Jar File	340 KB
Snow	3/25/2016 10:38 AM	Executable Jar File	1,991 KB
SnowboundLicense	3/25/2016 10:38 AM	Executable Jar File	27 KB
stax2-api-3.0.2	3/25/2016 10:38 AM	Executable Jar File	176 KB
VVAJAXJavaServer	3/25/2016 10:38 AM	Executable Jar File	584 KB
woodstox-core-asl-4.1.1	3/25/2016 10:38 AM	Executable Jar File	468 KB
xmlworker	3/25/2016 10:38 AM	Executable Jar File	243 KB

Conflicting JAR's with taskspace.
Except these 2 Jars, copy all JAR to taskspace(WEB-INF/lib)

3. Copy the **resources** folder from snowbound viewer to **taskspace**.

From artifact: **WEB-INF.zip**

To: \\TomcatPath\webapps\taskspace\WEB-INF\resources

4. Merge **web.xml** of Taskspace and Viewer.

Note:

Please be sure to backup the web.xml and merge these changes into your working web.xml version. Task Space historically made changes to web.xml for different release versions and hence it's important to merge with what's working in your environment. Otherwise the task space application might not come up successfully after restart.

1. Copy complete <servlet> tag.

From: **artifact: web.xml.zip**

To: \\TomcatPath\webapps\taskspace\WEB-INF\web.xml

Note:

Insert the AjaxServlet<servlet> immediately above the first occurrence of <servlet>. Edit "contentHandlerClass" in the <servlet> as shown below

From:

```
<init-param>
<param-name>contentHandlerClass</param-name>
<param-value>com.snowbound.snapserv.servlet.FileContentHandler</param-value>
</init-param>
```

To:

```
<init-param>
<param-name>contentHandlerClass</param-name>
<param-value>com.viewer.contenthandler.ViewerContentHandler</param-value>
</init-param>
```

2. Copy complete <servlet-mapping> tag .

From: \\Package \VirtualViewerJavaHTML5\WEB-INF\web.xml

To: \\TomcatPath\webapps\taskspace\WEB-INF\web.xml

Edit the codebase init-param value from localhost to the <IP Address or machine name where Taskspace Application will be hosted> and VirtualViewerJavaHTML5 to name of the hosted application, which in this case is taskspace

default value provided is: http://localhost:8080/VirtualViewerJavaHTML5.

```
<init-param>
<param-name>codebase</param-name>
<param-value>http://10.2.72.8:8080/taskspace</param-value>
</init-param>
```

Note:

Insert the AjaxServlet<servlet-mapping> immediately above the first occurrence of <servlet-mapping>.

3. Copy <env-entry> tag.

From: \\Package \VirtualViewerJavaHTML5\WEB-INF\web.xml

To: \\TomcatPath\webapps\taskspace\WEB-INF\web.xml

Note:

Copy this tag just before mime-mapping mentioned below i.e.

```
<mime-mapping>
<extension>jar</extension>
<mime-type>application/java-archive</mime-type>
</mime-mapping>
```

4. Modify paths for Rubber Stamp

Change the paths of the rubber stamps as shown below.

From:

```
<init-param>
<param-name>Approved</param-name>
  <param-value>Approved,535,293,./resources/stamps/Approved.png</param-value>
</init-param>
```

To:

```
<init-param>
<param-name>Approved</param-name>
<param-value>Approved,535,293,./resources/stamps/Approved.png</param-value>
</init-param>
```

Note:

The above example is only shown for “Approved” rubber stamp. Snowbound viewer provides below rubber stamp by default and path for all those needs to be changed in similar fashion.

- Approved
- Confidential
- Denied
- InitialHere
- Pending
- Received
- SignHere
- Urgent

5. Enter SMTP server name and SMTP username and SMTP user password .

Please provide SMTP server name and SMTP username and SMTP password to be used to send out document opened in Viewer as an attachment.

For example:

```
<!-- Email Functionality-->

<init-param>
<param-name>smtpServer</param-name>
<param-value>PutSMTPServerName</param-value>
</init-param>

<init-param>
<param-name>smtpUsername</param-name>
<param-value>PutSMTPUserName</param-value>
</init-param>
```

```

<init-param>
<param-name>smtpPassword</param-name>
<param-value>PutSMTPUserPassword</param-value>
</init-param>

```

You may refer to sample web.xml attached following for your reference.

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app version="2.4"

```

WDK customizations for viewer

1. Copy/Merge “custom” folder to taskspace. Please plan to backup your existing customizations and then merge these changes. If prompted that file exist, please replace those files. To help isolate issues, it might be best to just use customizations supplied in the artifacts prior to merging them with any existing customizations.

From: **artifact: custom.zip**

To: [\\TomcatPath\webapps\taskspace\custom](#)

custom	321,085	7/22/2016 4:19:25 AM	custom	11,868	8/2/2016 11:39:03 AM
config	262,323	7/19/2016 2:48:18 PM	config	8,021	8/2/2016 11:39:02 AM
library	2,795	7/19/2016 2:15:52 PM	library	2,795	8/2/2016 11:39:03 AM
navigation	1,362	7/22/2016 4:19:25 AM	strings	0	8/2/2016 11:39:03 AM
strings	115	7/19/2016 2:15:52 PM			
taskspace	35,795	7/22/2016 4:19:25 AM			
webcomponent	17,843	7/19/2016 2:51:01 PM			
app.xml	175	2/1/2013 3:02:44 AM	app.xml	175	8/2/2016 11:39:02 AM
README.txt	677	2/1/2013 3:03:00 AM	README.txt	677	8/2/2016 11:39:02 AM

2. Copy viewer folder (customized component & action classes) to the taskspace application

From: **artifact: viewer.zip**

To: [\\TomcatPath\webapps\taskspace\WEB-INF\classes\com\viewer](#)

File/Folder	Size
WEB-INF	
classes	
com	
documentum	
viewer	
cache	295
CacheManager.class	295
contenthandler	
model	
ContentHandlerFactory.class	1,458
DocumentumContentHandler.class	8,772
IContentHandler.class	1,310
ViewerContentHandler.class	19,757
dctmcontenthandler	16,333
DocumentumContentHandlerImpl.class	16,333
logger	3,885
FlowLogger.class	3,885
util	1,367
ViewerProperties.class	1,367
webtop	650
objectlist	650
CustomObjectList.class	650
ExtractDocumentAction.class	2,181
IntegrationConfig.properties	236
- Access Total Size for -	810

3. Update MenuBarNlsProp.properties

\\Tomcatpath\webapps\taskspace\taskspace\strings\com\documentum\taskspace\webcomponent\library\menubar\MenuBarNlsProp.properties

Add:

MSG_SNOWBOUND=Snowbound

4. Taskspace product layer changes

Take the backup of the below files:

- \\TomcatPath\webapps\taskspace\taskspace\library\xforms\folderview\content_list.jsp
- \\TomcatPath\webapps\taskspace\taskspace\library\xforms\search\searchdatagrid.jsp

Change above 2 product layer JSP files from SVN.

Fro: artifact: xforms.zip\content_list.jsp

TO: \\TomcatPath\webapps\taskspace\taskspace\library\xforms\folderview\content_list.jsp

From artifact: xforms.zip \ searchdatagrid.jsp

TO: \\TomcatPath\webapps\taskspace\taskspace\library\xforms\search\searchdatagrid.jsp

Config Files & Parameters:

- Lo4j.properties @ <tomcat path>\webapps\webtop\WEB-INF\classes
 - Viewer.log is currently pointing to C:/apache-tomcat-7.0.41-windows-x64/tomcat_webtop3/logs.
- IntegrationConfig.properties @ <tomcat path>\webapps\webtop\WEB-INF\classes\com\viewer.
 - docbase_name – name of the docbase to connect to
 - enable_flow_logging – generate logging
 - flows_to_print – identify the list of flows to print

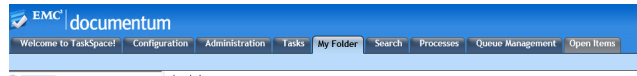
DEPLOYMENT IS COMPLETED

Please be sure to verify the dfc.properties prior to validation. Clear cache/work directory before restart.

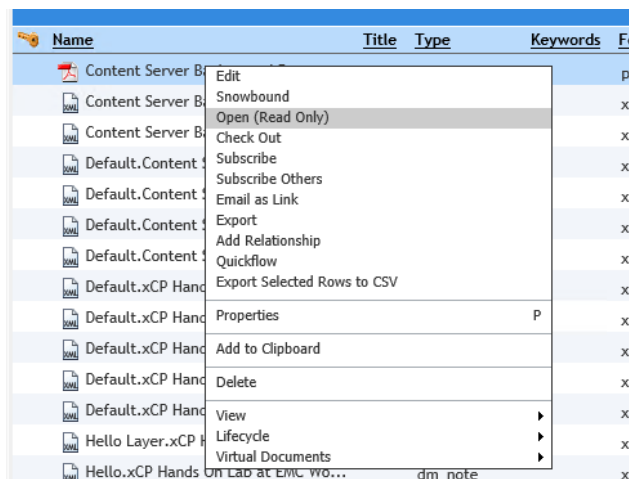
Chapter 2 - Validation Steps

Below is a quick configuration to open a doc in VirtualViewer:

a) Click on My Folder Tab



b) Parse to folder location having document c) Right click on any document, you should be able to see Snowbound

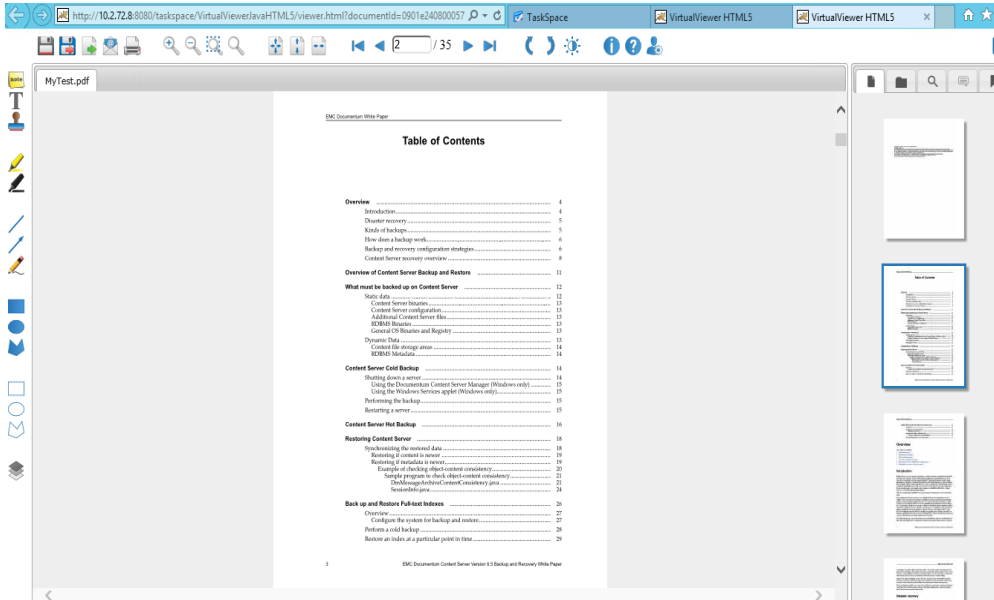


d) Click on Snowbound. It should open the document in Snowbound Virtual Viewere) Now select same/another document in My Folder tab.

f) On Double click of selected document, document should open in Snowbound Virtual Viewer

1 Login to hosted TaskSpace application
 http://<Appserver Machine Name>:<port>/taskspace

Sample Document Opened in VirtualViewer Java HTML5



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Problem

Resolution

a) Check the URL formed

URL formed should be

VirtualViewerJavaHTML5 application is getting opened but document ID is not found error comes up.

“http://<ApplicationServerNameorIP>:<port>/taskspace/VirtualViewerJavaHTML5/viewer.html?documentId=0901e24080005769”

b) If URL formed is other than this, then compare the drilldown_body.jsp, content_list.jsp and searchdatagrid.jsp.

The openViewer javascript function need to be replaced with the file present in custom folder of [\WDKCustomization\custom](#)

Email is not getting sent out

Check whether SMTP server name, user and password entry has been made in the web.xml of <Application root>\taskspace\WEB-INF\web.xml

Custom rubber stamp not seen in Virtual Viewer while document is opened

Check whether you have kept the image corresponding to the custom rubber stamp under <Application root>\taskspace\VirtualViewerJavaHTML5\resources folder

URL is getting formed properly for Viewer, but

Check whether Integration.properties under “<Application Root>\taskspace\WEB-INF\classes\com\viewer” is having following entries:

still sating
Unable to connect to proper repository while fetching document.

file_path=<Application Root>/taskspace/VirtualViewerJavaHtml5/Sample-Documents
docbase_name=<Docbase Name>
content_handler=com.viewer.dctmcontenthandler.DocumentumContentHandlerImpl
enable_flow_logging=true
flows_to_print=all