

IBM Daeja ViewONE Professional



Servlet Setup Guide

Version 4.1

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Note

Before using this information and the product it supports, read the information in “Notices” on page 13.

This edition applies to Version 4 Release 1 Modification 0 of IBM® Daeja ViewONE Professional Edition (product number 5725-Q03) and to all subsequent releases and modifications until otherwise indicated in new editions.

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Introduction

This guide describes how to set up the IBM® Daeja® ViewONE® servlet that makes up the core server-side component of the following IBM Daeja software suite:

IBM Daeja ViewONE Virtual Viewer
IBM Daeja ViewONE Document Streaming Server module
IBM Daeja ViewONE Permanent Redactions Server Module

This document describes the first deployment step for any of the IBM Daeja ViewONE Virtual Viewer, Document Streaming Server module, or Permanent Redactions Server module entitlements.

More information on the HTML parameters, Java Script methods, and server-side properties for configuring the viewer and servlet are available to download from the following web page:

<http://www.ibm.com/support/docview.wss?uid=swg27041437>

Deployment

To deploy the core servlet, you must use a Java web application server of your choosing. The procedure for setting up the servlet depends on the web application server and varies in detail depending on which web application server you choose.

However, the principles of deployment are the same for any web application server and are described in this manual.

This guide starts from the point at which you have downloaded and run the installer that installs all the required server-side into a temporary location of your choice.

Extract the set of server files “WEB-INF” from under the \server folder along with the supplied configuration file (lic-server.v1*) and place the files on a web server.

Next, stop the web application server to which you are deploying the viewer. Then deploy the core viewer servlet along with the associated resource files as follows.

Copy the contents of the WEB-INF folder into the \WEB-INF folder of your preferred web application server (see [Appendix A](#)). This step includes the supplied configuration file (lic-server.v1*)

The “**WEB-INF**” folder should also contain the following configuration files:

web.xml – The XML file that defines the location of the core servlet class files along with the mapping of the servlet in relation to the web application server. The next section in this manual describes the configuration of this file in detail with a sample file.

<servlet name>.properties – The properties file for the particular servlet that you are using. You can use this file to configure extended debugging output to a log file. The next section in this manual describes the configuration of this file in detail with a sample file.

After you finish the installation by deploying these files, restart the server. Check that the viewer servlet is running by entering the relevant URL in the browser address bar and pressing Enter.

*For IBM Daeja ViewONE Virtual, the configuration file is named “lic-server-virtual.v1”

Configuration Files

web.xml file

In your web application, locate the `WEB-INF/web.xml` configuration file. To create this file, copy and paste the following sample.

Modify this configuration file to:

- Include a servlet definition for the main Viewer class
(`com.ibm.dv.server.Platform`)
- Define the URL mapping for the viewer servlet

In the following sample fragment, the name "viewone" has been chosen for this servlet.

This servlet is called when a request is made to `/vlfiles/*` (as defined by the `servlet-mapping` tag).

```
<servlet>
  <servlet-name>viewone</servlet-name>
  <servlet-class>com.ibm.dv.server.Platform</servlet-class>
</servlet>

<servlet-mapping>
  <servlet-name>viewone</servlet-name>
  <url-pattern>/vlfiles/*</url-pattern>
</servlet-mapping>
```

Important: You must include the `/*` component in the URL-pattern mapping to enable the servlet to load the viewer files and resources that are required for the servlet to function correctly.

<servlet-name>.properties file

In your web application, set up the `WEB-INF/<servlet-name>.properties` configuration file. To create this file, copy and paste the following sample fragment.

Modify this configuration file to:

- Enable additional logging to be output to optional log file or `<std out>` of the web application server.
- Configure the servlet with additional properties that control the Virtual Viewer and Document Streaming Server cache and other aspects of the server-side functionality (see the *IBM Daeja ViewONE Server Properties Reference Manual* for further details)

Note that the properties file automatically takes the name of the servlet. For example, in the `web.xml` sample shown previously, the servlet is named "viewone" in the `web.xml` definition. Therefore, the properties file must be named `viewone.properties`.

In the following sample fragment, the properties file is configured to include network tracing that is output to a log file in a specific location. This location must exist for the log file to be generated.

```
logfile=WEB-INF/viewone.log  
traceNet=true
```

Important: The same properties file is shared by IBM Daeja Virtual Viewer, the Document Streaming Server module, and the Permanent Redactions Server module. Therefore, to specify a property for a particular server-side component, you must precede the property name with the following text to specify the relevant component:

- For IBM Daeja ViewONE Virtual use "tile"
- For IBM Daeja ViewONE Document Streaming Server module use "streamer"
- For IBM Daeja ViewONE Permanent Redactions Server module use "redaction"

To enable these properties for the Document Streaming Server module, the sample fragment contains the following text:

```
streamer.logfile=WEB-INF/viewone.log  
streamer.traceNet=true
```

Refer to the *IBM Daeja ViewONE Server Properties Reference Manual* for further details on the properties that are available. This manual contains detailed descriptions of each property that can be added to the properties file and how that property affects viewer operation.

Appendix A

Installation on other Web Application Servers

There are no specific instructions for installing the Viewer servlet on other web application servers such as WebLogic, JBoss, or WebSphere. So the instructions are not a definitive guide to the particulars of deploying the servlet on all the web application servers that are available.

The minimum requirement for setting up the servlet is that you have a web application server in place that you are familiar with and can deploy servlets on, gather logs files, and so on. You must be able to deploy the viewer and get to the point where you can enter the URL to the servlet itself and see a message confirming it is available.

For example, assume that you used the sample web.xml described earlier in this document to set up the servlet. To confirm that the Document Streaming Server servlet is running, use the following URL:

`http://localhost:8080/viewone/v1files/streamer`

If the servlet is running, you see the message "IBM Daeja ViewONE Streamer Servlet is running" along with version details.

This is the minimum requirement for installation on other types of web application servers.

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