

Platform: Windows

ArcIMS version: 9.1 SP1

Servlet Engine: Tomcat/ServletExec for ArcIMS. Internal Jrun for ColdFusion. JSPs and Servlets are handled by Tomcat/ServletExec. Only *.cfm pages are handled by ColdFusion.

Scenario: Can deploy other ArcIMS web applications such as esriadmin or the Metadata Explorer.

Install Tomcat/ServletExec & ArcIMS

- Make sure to follow the installation guidelines for Tomcat/ServletExec with ArcIMS 9.1 as per the support pages.

Install ColdFusion

1. Launch the ColdFusion MX 7 Installer
2. Click the "Install" button and wait for the InstallAnywhere application to start.
3. Leave "English" as the default install language.
4. Click OK
5. On the *Introduction* screen, click Next.
6. On the *License Agreement* screen, choose the radio button for "*I accept the terms of the License Agreement*".
7. Click Next.
8. On the *Install Type* screen, enter in the serial number (standard edition is ok). The red X beside the serial number input box should change to a green checkmark.
9. Click Next.
10. On the *Sub-component Installation* screen, make sure that all three sub-components are checked. (ColdFusion MX 7 ODBC Services, ColdFusion MX 7 Search Services, Getting Started Experience, Tutorials & Documentation)
11. Click Next.
12. On the *Select Installation Directory* screen, leave the default of C:\CFusionMX7.
13. Click Next.
14. On the *Configure Web Server* screen, select the radio button beside "*All IIS websites*".
15. Click Next.
16. On the *Choose ColdFusion MX Administrator Location* screen, leave the default of C:\inetpub\wwwroot
17. Click Next.

18. On the *Administrator Password* screen, enter in a password.
19. Click Next.
20. On the *RDS Password* screen, uncheck the “*Enable RDS (required for Report Builder and DW Extensions)*” option.
21. Click Next.
22. On the *Installation Confirmation* screen, double-check all settings.
23. Click Install.
24. When the installation is complete, on the *Installation Complete* screen, click Done.
25. Launch the ColdFusion MX 7 Administrator from the Start -> Programs -> Macromedia -> ColdFusion MX 7 menu. – The Configuration and Settings Migration Wizard starts.
26. Input your administrator password set up during installation
27. Click Login.
28. Wait for the server to finish configuring.
29. When the setup is complete, click OK.
30. If the “ColdFusion MX 7 Getting Started Experience” page comes up, ColdFusion is running successfully. Close the page.

At this point, ColdFusion is working, but ArcIMS Diagnostics and the servlet example tests (Hello World in Tomcat, TestServlet in ServletExec) will be failing. This is because all .jsp files and servlets are being forwarded to CFMX server instead of Tomcat/ServletExec. This is what we will now change.

1. Stop all CFMX 7 Services in the Services panel.
2. Locate the following file:
<CF Installation Directory>\runtime\servers\coldfusion\SERVER-INF\default-web.xml
3. Make a copy of the file (for backup purposes), renaming the current file to something like ORIG-default-web.xml.
4. Edit the default-web.xml:
 - a. Comment out lines 22 through 102, using <!--and --> for the start and end comment markers:
 - i. For easy identification, lines 22-24 are:

```
<servlet>
  <servlet-name>FileServlet</servlet-name>
  <servlet-class>jrun.servlet.file.FileServlet</servlet-class>
```
 - ii. For easy identification, lines 100-102 are:

```
<servlet-name>JRunStatistics</servlet-name>
<url-pattern>/JRunStatistics</url-pattern>
</servlet-mapping>
```

5. Restart all CFMX 7 Services from the Services panel.
6. Restart IIS
7. Check that the CF Administrator, Tomcat Hello World example or ServletExec TestServlet example and ArcIMS Diagnostics all function properly.

Set up the ColdFusion Connector

1. Open up the CFMX 7 Administrator
2. Click on “Extensions” in the left-hand menu to expand it.
3. Select “Custom Tag Paths”
4. Register the following path for the ArcIMS ColdFusion Connector tags as a custom tag path:
<ArcIMS Installation Directory>\Connectors\ColdFusion\CustomTags
5. Click on “CFX Tags” in the “Extensions” menu
6. Register the CFX_ESRIMAP.dll as a C++ CFX.
Tag Name: cfx_esrimap
Server Library: <ArcIMS Installation Directory>\Connectors\ColdFusion\Server\cfx_esrimap.dll
Procedure: ProcessTagRequest
7. Edit C:\CFMX7\runtime\bin\jvm.config file
 - Change the java.library.path entry to include the two directories containing the ArcIMS shared libraries.

C:/Program Files/ArcGIS/ArcIMS/Middleware/CF_Connector/bin
C:/Program Files/ArcGIS/ArcIMS/Connectors/ColdFusion/Server
 - Change the java.class.path entry to include the one directory containing the ArcIMS Java classes.

C:/Program Files/ArcGIS/ArcIMS/Connectors/Servlet

Note that forward slashes are used even on Windows, and that the list is comma delimited.

Note that the java.library.path entry and the java.class.path entry are each a single long line.
8. Restart the CFMX Services from the Services panel.
9. Set up the ColdFusion Connector samples. Follow the setup instructions located at:
<ArcIMS Installation Directory>\Samples\ColdFusion\readme_samples.html