

Platform: Windows

ArcIMS version: 9.1 SP1

Servlet Engine: Internal JRun bundled with ColdFusion

Scenario: Cannot run other ArcIMS web applications that need deployment in this configuration because the Jrun management tools are not available.

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.

Install ArcIMS

1. Install ArcIMS. On the *Select Features* screen, make sure to:
 - a. Expand the “Application Server Connectors” and select the ColdFusion connector for installation.
 - b. Expand the “Samples” and select the ColdFusion Applications” for installation.
 - c. Select “Tutorial Data” for installation.
2. When ArcIMS finishes installing, before running the Post-install, install SP1.
3. Launch the ArcIMS post-install from the Start -> Programs -> ArcGIS -> ArcIMS menu.
4. On the “Web Server-Servlet Engine Configuration” screen, choose “I will manually configure my web server / servlet engine”.

Post-installation

1. Browse to: <ArcIMS Installation Directory>\ArcIMS\Connectors\Servlet
2. In a text editor, for example Notepad, open:
c:\Program Files\ArcGIS\ArcIMS\Connectors\Servlet\Esrimap_prop
3. Edit appServerMachine=APPSMACHINE to point to the machine where the ArcIMS Application Server is installed; for example, change it to appServerMachine=mymachine or appServerMachine=IP.
4. Change appServerClientPort=5300 only if a different port was selected.
5. Close and save the file.

Setup 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. Restart the ArcIMS Services from the Services panel.
10. Restart IIS from the Services panel.
11. Run the ArcIMS Diagnostics, and make sure that both tests return a successful result.
12. Set up the ColdFusion Connector samples. Follow the setup instructions located at:
<ArcIMS Installation Directory>\Samples\ColdFusion\readme_samples.html