ArcGIS Server 9.0 System Requirements

This PDF contains system requirements information, including hardware requirements, best performance configurations, and limitations, for ArcGIS Server for the ArcGIS Server 9.0.

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ArcGIS Server 9.0 on PC-Intel Windows 2000 Professional

Product:	ArcGIS Server 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	May 24, 2004

Hardware Requirements

CPU Speed:

800 MHz minimum, 1.0 GHz or higher recommended

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

256 MB minumum, 512 MB or higher recommended

Display Properties:

24 bit color depth

Notes:

Internet Explorer 6.0 Requirement:

Some features of ArcGIS Server 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0, you must obtain and install it prior to installing ArcGIS Server.

Microsoft DirectX® Requirement:

Installing ArcGIS Server Object Container on Microsoft Windows 2000 requires DirectX 9.0a or 9.0b. DirectX 9.0b can be obtained from:

http://www.microsoft.com/downloads/details.aspx?FamilyID=141d5f9e-07c1-462a-baef-5eab5c851cf5&displaylang=en

The DirectX driver is also updated with the Windows 2000 automatic update.

ArcGIS Server 9.0 on PC-Intel Windows 2000 Server

Product:	ArcGIS Server 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	May 24, 2004

Hardware Requirements

CPU Speed:

800 MHz minimum, 1.0 GHz or higher recommended

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

256 MB minumum, 512 MB or higher recommended

Display Properties:

24 bit color depth

Notes:

Internet Explorer 6.0 Requirement:

Some features of ArcGIS Server 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0, you must obtain and install it prior to installing ArcGIS Server.

Microsoft DirectX® Requirement:

Installing ArcGIS Server Object Container on Microsoft Windows 2000 requires DirectX 9.0a or 9.0b. DirectX 9.0b can be obtained from:

http://www.microsoft.com/downloads/details.aspx?FamilyID=141d5f9e-07c1-462a-baef-5eab5c851cf5&displaylang=en

The DirectX driver is also updated with the Windows 2000 automatic update.

ArcGIS Server 9.0 on PC-Intel Windows 2003 Server

Product:	ArcGIS Server 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	May 24, 2004

Hardware Requirements

CPU Speed:

800 MHz minimum, 1.0 GHz or higher recommended

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

256 MB minumum, 512 MB or higher recommended

Display Properties:

24 bit color depth

Notes:

Internet Explorer 6.0 Requirement:

Some features of ArcGIS Server 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0, you must obtain and install it prior to installing ArcGIS Server.

Application Developer Frameworks for ArcGIS Server 9.0

ArcGIS Server - .Net ADF

- **Supported Web Server and Application Server Platforms**

  - **PC-Intel Windows 2000 Professional**
  - **PC-Intel Windows 2000 Server**
  - **PC-Intel Windows 2003 Server**
  - **PC-Intel Windows XP Professional Edition**

ArcGIS Server - .Net ADF 9.0 with PC-Intel Windows 2000 Professional on Internet Information Server 5.0

Product:	ArcGIS Server - .Net ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Internet Information Server
Web Server or Application Server Version:	5.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

354 MB NTFS

Notes:

Visual Studio .NET Requirement-

Visual Studio .NET 2003 and .NET Framework 1.1 Note: .NET Framework 1.1 is installed with Visual Studio .NET 2003. The redistributable is available to developers who want to include the .NET Framework installation with their .NET applications.

ArcGIS Server - .Net ADF 9.0 with PC-Intel Windows 2000 Server on Internet Information Server 5.0

Product:	ArcGIS Server - .Net ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Internet Information Server
Web Server or Application Server Version:	5.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

354 MB NTFS

Notes:

Visual Studio .NET Requirement-

Visual Studio .NET 2003 and .NET Framework 1.1 Note: .NET Framework 1.1 is installed with Visual Studio .NET 2003. The redistributable is available to developers who want to include the .NET Framework installation with their .NET applications.

ArcGIS Server - .Net ADF 9.0 with PC-Intel Windows 2003 Server on Internet Information Server 6.0

Product:	ArcGIS Server - .Net ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Internet Information Server
Web Server or Application Server Version:	6.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

354 MB NTFS

Notes:

Visual Studio .NET Requirement-

Visual Studio .NET 2003 and .NET Framework 1.1 Note: .NET Framework 1.1 is installed with Visual Studio .NET 2003. The redistributable is available to developers who want to include the .NET Framework installation with their .NET applications.

ArcGIS Server - .Net ADF 9.0 with PC-Intel Windows XP Professional Edition on Internet Information Server 5.1

Product:	ArcGIS Server - .Net ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Internet Information Server
Web Server or Application Server Version:	5.1

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum, 256 MB recommended or higher

Display Properties:

24 bit color depth

Disk Space:

354 MB NTFS

Notes:

Visual Studio .NET Requirement-
Visual Studio .NET 2003 and .NET Framework 1.1 Note: .NET Framework 1.1 is installed with

Visual Studio .NET 2003. The redistributable is available to developers who want to include the .NET Framework installation with their .NET applications.

Limitations

Platform: ArcGIS Server 9.0 .Net ADF on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article [FAQ: Windows XP SP2 and ArcGIS 9.0 Products](#) for details.

Supported web browsers for ArcGIS Server - .Net ADF

- **Internet Explorer 6.0 or higher**

- PC-Intel Windows 2000 Professional
  - Your Web Browser must be DOM compliant.
- PC-Intel Windows 2000 Server
  - Your Web Browser must be DOM compliant.
- PC-Intel Windows 2003 Server
  - Your Web Browser must be DOM compliant.
- PC-Intel Windows XP Professional Edition
  - Your Web Browser must be DOM compliant.
- **Mozilla 1.5**

- PC-Intel Windows 2000 Professional
- PC-Intel Windows 2000 Server
- PC-Intel Windows 2003 Server
- PC-Intel Windows XP Professional Edition
- **Netscape Communicator 7.0 or higher**

- PC-Intel Windows 2000 Professional
  - Your Web Browser must be DOM compliant.
- PC-Intel Windows 2000 Server
  - Your Web Browser must be DOM compliant.
- PC-Intel Windows 2003 Server
  - Your Web Browser must be DOM compliant.
- PC-Intel Windows XP Professional Edition
  - Your Web Browser must be DOM compliant.

ArcGIS Server - Java ADF

Supported Web Server and Application Server Platforms

- HP HP-UX 11.i (32 bit or 64 bit) PA RISC
- IBM AIX 5.1.0.0
- IBM AIX 5.2.0.0
- Linux-Intel Red Hat Enterprise Linux AS/ES 3.0
- PC-Intel Windows 2000 Professional
- PC-Intel Windows 2000 Server
- PC-Intel Windows 2003 Server
- PC-Intel Windows XP Professional Edition
- Sun Solaris 8 (SPARC)
- Sun Solaris 9 (SPARC)

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on HP HP-UX 11.i (32 bit or 64 bit) PA RISC

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	
ServletExec AS 5.0 patch 2	
Sun Java System (Sun ONE) Application Server 7.0	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	

ArcGIS Server - Java ADF 9.0 with HP HP-UX 11.i (32 bit or 64 bit) PA RISC on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	HP
Operating System:	HP-UX 11.i (32 bit or 64 bit) PA RISC
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

835 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:
- J2EE compliant Application Server
The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

ServletExec AS 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See
http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94
for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from
ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs

- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with HP HP-UX 11.i (32 bit or 64 bit) PA RISC on ServletExec AS 5.0 patch 2

Product:	ArcGIS Server - Java ADF 9.0
Platform:	HP
Operating System:	HP-UX 11.i (32 bit or 64 bit) PA RISC
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	ServletExec AS
Web Server or Application Server Version:	5.0 patch 2

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

835 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[42]Notes for Servlet Exec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with HP HP-UX 11.i (32 bit or 64 bit) PA RISC on Sun Java System (Sun ONE) Application Server 7.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	HP
Operating System:	HP-UX 11.i (32 bit or 64 bit) PA RISC
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	7.0

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

835 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Sun Java System Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with HP HP-UX 11.i (32 bit or 64 bit) PA RISC on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	HP
Operating System:	HP-UX 11.i (32 bit or 64 bit) PA RISC
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

835 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

ArcGIS Server - Java ADF 9.0 with HP HP-UX 11.i (32 bit or 64 bit) PA RISC on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	HP
Operating System:	HP-UX 11.i (32 bit or 64 bit) PA RISC
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

835 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on IBM AIX 5.1.0.0

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	
ServletExec AS 5.0 patch 2	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	

ArcGIS Server - Java ADF 9.0 with IBM AIX 5.1.0.0 on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	IBM
Operating System:	AIX 5.1.0.0
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

730 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

ServletExec AS 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See
http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for
directions on determining the version and patch level of ServletExec you have installed.
ServletExec_5_0p02.zip is available from
ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with IBM AIX 5.1.0.0 on ServletExec AS 5.0 patch 2

Product:	ArcGIS Server - Java ADF 9.0
Platform:	IBM
Operating System:	AIX 5.1.0.0
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	ServletExec AS
Web Server or Application Server Version:	5.0 patch 2

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

730 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[42]Notes for Servlet Exec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with IBM AIX 5.1.0.0 on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	IBM
Operating System:	AIX 5.1.0.0
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

730 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

ArcGIS Server - Java ADF 9.0 with IBM AIX 5.1.0.0 on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	IBM
Operating System:	AIX 5.1.0.0
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

730 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on IBM AIX 5.2.0.0

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	

ArcGIS Server - Java ADF 9.0 with IBM AIX 5.2.0.0 on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	IBM
Operating System:	AIX 5.2.0.0
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

730 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:
http://jakarta.apache.org/tomcat/faq/memory.html
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Servlet Engine must be Servlet 2.3 and JSP 1.2 Compliant.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with IBM AIX 5.2.0.0 on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	IBM
Operating System:	AIX 5.2.0.0
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

730 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

ArcGIS Server - Java ADF 9.0 with IBM AIX 5.2.0.0 on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	IBM
Operating System:	AIX 5.2.0.0
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

Memory/RAM:

128 MB minumum

256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

730 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB)

applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on Linux-Intel Red Hat Enterprise Linux AS/ES 3.0

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	
ServletExec AS 5.0 patch 2	
Sun Java System (Sun ONE) Application Server 7.0	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	

ArcGIS Server - Java ADF 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Linux-Intel
Operating System:	Red Hat Enterprise Linux AS/ES 3.0
Service Packs/Patches:	Update 2 or higher
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

CPU Speed:

512 MB minumum - 1 GB recommended or higher

Memory/RAM:

128 MB minumum,256 MB recommended or higher

Display Properties:

24 bit color depth

Disk Space:

780 MB

Architecture:

x86 architecture (32-bit)

Notes:

OPERATING SYSTEM REQUIREMENTS

JavaADF is only supported on Linux x86, on CPUs that adhere to the x86 architecture (32-bit), with supported Linux releases.

It is a requirement that the OS (binary) has not been modified. ESRI does not provide any support if products are installed on Developer's Release of an Operating System.

The linux patches from RHEL AS/ES will be supported as long as the patches are supported by the webservers and they are from Red Hat without any modification to the latest kernel/glibc version.

The following packages for the OS install are required for JavaADF to function properly:
Base Development package
Base Legacy Software Development package

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:
- JDK version 1.4.1 on Windows or AIX.
- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:
If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:
- Web server
- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:
- J2EE compliant Application Server
The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

ServletExec AS 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates

- web service catalogs

- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See
http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for
directions on determining the version and patch level of ServletExec you have installed.
ServletExec_5_0p02.zip is available from
ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an
OutofMemory error was encountered. This problem was investigated on the forums and
notes were found indicating the problem was resolved with Tomcat 5.x. Testing with
Tomcat 5.0.18 didn't produce the problem. The error noted here can be further
investigated on the Tomcat forums:
http://jakarta.apache.org/tomcat/faq/memory.html
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Servlet Engine must be Servlet 2.3 and JSP 1.2 Compliant.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on ServletExec AS 5.0 patch 2

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Linux-Intel
Operating System:	Red Hat Enterprise Linux AS/ES 3.0
Service Packs/Patches:	Update 2 or higher
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	ServletExec AS
Web Server or Application Server Version:	5.0 patch 2

Hardware Requirements

CPU Speed:

512 MB minumum - 1 GB recommended or higher

Memory/RAM:

128 MB minumum,256 MB recommended or higher

Display Properties:

24 bit color depth

Disk Space:

780 MB

Architecture:

x86 architecture (32-bit)

Notes:

OPERATING SYSTEM REQUIREMENTS

JavaADF is only supported on Linux x86, on CPUs that adhere to the x86 architecture (32-bit), with supported Linux releases.

It is a requirement that the OS (binary) has not been modified. ESRI does not provide any support if products are installed on Developer's Release of an Operating System.

The linux patches from RHEL AS/ES will be supported as long as the patches are supported by the webservers and they are from Red Hat without any modification to the latest kernel/glibc version.

The following packages for the OS install are required for JavaADF to function properly:
Base Development package
Base Legacy Software Development package

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:
- JDK version 1.4.1 on Windows or AIX.
- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:
If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:
- Web server
- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:
- J2EE compliant Application Server
The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[42]Notes for Servlet Exec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on Sun Java System (Sun ONE) Application Server 7.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Linux-Intel
Operating System:	Red Hat Enterprise Linux AS/ES 3.0
Service Packs/Patches:	Update 2 or higher
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	7.0

Hardware Requirements

CPU Speed:

512 MB minumum - 1 GB recommended or higher

Memory/RAM:

128 MB minumum,256 MB recommended or higher

Display Properties:

24 bit color depth

Disk Space:

780 MB

Architecture:

x86 architecture (32-bit)

Notes:

OPERATING SYSTEM REQUIREMENTS

JavaADF is only supported on Linux x86, on CPUs that adhere to the x86 architecture (32-bit), with supported Linux releases.

It is a requirement that the OS (binary) has not been modified. ESRI does not provide any support if products are installed on Developer's Release of an Operating System.

The linux patches from RHEL AS/ES will be supported as long as the patches are supported by the webservers and they are from Red Hat without any modification to the latest kernel/glibc version.

The following packages for the OS install are required for JavaADF to function properly:
Base Development package
Base Legacy Software Development package

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:
- JDK version 1.4.1 on Windows or AIX.
- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:
If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:
- Web server
- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:
- J2EE compliant Application Server
The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Sun Java System Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Linux-Intel
Operating System:	Red Hat Enterprise Linux AS/ES 3.0
Service Packs/Patches:	Update 2 or higher
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

CPU Speed:

512 MB minumum - 1 GB recommended or higher

Memory/RAM:

128 MB minumum,256 MB recommended or higher

Display Properties:

24 bit color depth

Disk Space:

780 MB

Architecture:

x86 architecture (32-bit)

Notes:

OPERATING SYSTEM REQUIREMENTS

JavaADF is only supported on Linux x86, on CPUs that adhere to the x86 architecture (32-bit), with supported Linux releases.

It is a requirement that the OS (binary) has not been modified. ESRI does not provide any support if products are installed on Developer's Release of an Operating System.

The linux patches from RHEL AS/ES will be supported as long as the patches are supported by the webservers and they are from Red Hat without any modification to the latest kernel/glibc version.

The following packages for the OS install are required for JavaADF to function properly:

Base Development package

Base Legacy Software Development package

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

ArcGIS Server - Java ADF 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Linux-Intel
Operating System:	Red Hat Enterprise Linux AS/ES 3.0
Service Packs/Patches:	Update 2 or higher
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

CPU Speed:

512 MB minumum - 1 GB recommended or higher

Memory/RAM:

128 MB minumum,256 MB recommended or higher

Display Properties:

24 bit color depth

Disk Space:

780 MB

Architecture:

x86 architecture (32-bit)

Notes:

OPERATING SYSTEM REQUIREMENTS

JavaADF is only supported on Linux x86, on CPUs that adhere to the x86 architecture (32-bit), with supported Linux releases.

It is a requirement that the OS (binary) has not been modified. ESRI does not provide any support if products are installed on Developer's Release of an Operating System.

The linux patches from RHEL AS/ES will be supported as long as the patches are supported by the webservers and they are from Red Hat without any modification to the latest kernel/glibc version.

The following packages for the OS install are required for JavaADF to function properly:
Base Development package
Base Legacy Software Development package

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:
- JDK version 1.4.1 on Windows or AIX.
- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:
If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:
- Web server
- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:
- J2EE compliant Application Server
The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on PC-Intel Windows 2000 Professional

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	
Apache 2.0.49	
Internet Information Server 5.0	
JRun 4.0	
Sun Java System (Sun ONE) Application Server 7.0	
Sun Java System (Sun ONE) Application Server 8	
The J2EE Reference Implementation 1.3	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	
WebLogic 8.1 SP4	
WebSphere Application Server 5.0	

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: <u>System Design Strategies</u>.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: <u>IBM Websphere Software</u>.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on Apache 2.0.49

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.49

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:

a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on Internet Information Server 5.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Internet Information Server
Web Server or Application Server Version:	5.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Jrun 4 Updater 3

Notes for JRun with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Java ADF arcgisant deploy and undeploy commands are not provided. Web applications should be built with arcgisant, and deployed/undeployed using the web server administration.

ServletExec ISAPI 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See
http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for
directions on determining the version and patch level of ServletExec you have installed.
ServletExec_5_0p02.zip is available from
ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an
OutofMemory error was encountered. This problem was investigated on the forums and
notes were found indicating the problem was resolved with Tomcat 5.x. Testing with
Tomcat 5.0.18 didn't produce the problem. The error noted here can be further
investigated on the Tomcat forums:
http://jakarta.apache.org/tomcat/faq/memory.html
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:
a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on JRun 4.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	JRun
Web Server or Application Server Version:	4.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for JRun with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on Sun Java System (Sun ONE) Application Server 7.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	7.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[60]Notes for Sun Java System Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required. A separate JDK is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on Sun Java System (Sun ONE) Application Server 8

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	8

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Sun Java System Application Server 8 with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Sun Java System Application Server 8 is supported with ArcGIS Server Java ADF 9.0 SP1 or higher.

Java ADF arcgisant deploy and undeploy commands are provided for Sun Java System Application Server 8 with Java ADF versions 9.1 and higher. For Java ADF versions 9.0 SP1, 9.0 SP2, and 9.0.1, web applications should be built with arcgisant, and deployed/undeployed using the application server administration.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on The J2EE Reference Implementation 1.3

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	The J2EE Reference Implementation
Web Server or Application Server Version:	1.3

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for The J2EE RI with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:

a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on WebLogic 8.1 SP4

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebLogic
Web Server or Application Server Version:	8.1 SP4

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebLogic with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required.

WebLogic is supported with ArcGIS Server Java ADF 9.0 SP1 or higher for the viewer templates, and with Java ADF 9.1 or higher for the web catalog. At 9.1, the catalog is supported deployed as an unexpanded WAR file, and not as expanded folders and files.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Professional on WebSphere Application Server 5.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Professional
Service Packs/Patches:	SP 2 (optional), SP 3 (optional), SP 4 (optional)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebSphere Application Server
Web Server or Application Server Version:	5.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebSphere Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on PC-Intel Windows 2000 Server

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	
Apache 2.0.49	
Internet Information Server 5.0	
JRun 4.0	
Sun Java System (Sun ONE) Application Server 7.0	
Sun Java System (Sun ONE) Application Server 8	
The J2EE Reference Implementation 1.3	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	
WebLogic 8.1 SP4	
WebSphere Application Server 5.0	
WebSphere Application Server 5.1	

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System
Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on Apache 2.0.49

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.49

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:

a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: <u>System Design Strategies</u>.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on Internet Information Server 5.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Internet Information Server
Web Server or Application Server Version:	5.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Jrun 4 Updater 3

Notes for JRun with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Java ADF arcgisant deploy and undeploy commands are not provided. Web applications should be built with arcgisant, and deployed/undeployed using the web server administration.

ServletExec ISAPI 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See
http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for
directions on determining the version and patch level of ServletExec you have installed.
ServletExec_5_0p02.zip is available from
ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an
OutofMemory error was encountered. This problem was investigated on the forums and
notes were found indicating the problem was resolved with Tomcat 5.x. Testing with
Tomcat 5.0.18 didn't produce the problem. The error noted here can be further
investigated on the Tomcat forums:
http://jakarta.apache.org/tomcat/faq/memory.html
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:
a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on JRun 4.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	JRun
Web Server or Application Server Version:	4.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for JRun with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: <u>System Design Strategies</u>.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on Sun Java System (Sun ONE) Application Server 7.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	7.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[60]Notes for Sun Java System Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required. A separate JDK is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on Sun Java System (Sun ONE) Application Server 8

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	8

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Sun Java System Application Server 8 with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Sun Java System Application Server 8 is supported with ArcGIS Server Java ADF 9.0 SP1 or higher.

Java ADF arcgisant deploy and undeploy commands are provided for Sun Java System Application Server 8 with Java ADF versions 9.1 and higher. For Java ADF versions 9.0 SP1, 9.0 SP2, and 9.0.1, web applications should be built with arcgisant, and deployed/undeployed using the application server administration.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on the J2EE Reference Implementation 1.3

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	The J2EE Reference Implementation
Web Server or Application Server Version:	1.3

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for The J2EE RI with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:

a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on WebLogic 8.1 SP4

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebLogic
Web Server or Application Server Version:	8.1 SP4

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebLogic with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required.

WebLogic is supported with ArcGIS Server Java ADF 9.0 SP1 or higher for the viewer templates, and with Java ADF 9.1 or higher for the web catalog. At 9.1, the catalog is supported deployed as an unexpanded WAR file, and not as expanded folders and files.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on WebSphere Application Server 5.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebSphere Application Server
Web Server or Application Server Version:	5.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebSphere Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2000 Server on WebSphere Application Server 5.1

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2000 Server
Service Packs/Patches:	SP3 minimum
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebSphere Application Server
Web Server or Application Server Version:	5.1

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebSphere Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required.

ArcGIS Server Java ADF 9.0 SP1 or higher is required for the viewer templates; Java ADF 9.1 or higher is required for the web catalog.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on PC-Intel Windows 2003 Server

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.49	
Internet Information Server 6.0	
JRun 4.0	
Sun Java System (Sun ONE) Application Server 8	
The J2EE Reference Implementation 1.3	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	
WebLogic 8.1 SP4	
WebSphere Application Server 5.0	
WebSphere Application Server 5.1	

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on Apache 2.0.49

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.49

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:

a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on Internet Information Server 6.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Internet Information Server
Web Server or Application Server Version:	6.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK)
requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

ServletExec ISAPI 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:
http://jakarta.apache.org/tomcat/faq/memory.html
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:
a. Directory deployed by the Java ADF arcgisant deployment tool.
b. Directory deployed by the Tomcat administrator.
c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.
d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.
Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:
- webcontrols

- templates

- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on JRun 4.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	JRun
Web Server or Application Server Version:	4.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for JRun with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on Sun Java System (Sun ONE) Application Server 8

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	8

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Sun Java System Application Server 8 with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Sun Java System Application Server 8 is supported with ArcGIS Server Java ADF 9.0 SP1 or higher.

Java ADF arcgisant deploy and undeploy commands are provided for Sun Java System Application Server 8 with Java ADF versions 9.1 and higher. For Java ADF versions 9.0 SP1, 9.0 SP2, and 9.0.1, web applications should be built with arcgisant, and deployed/undeployed using the application server administration.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on the J2EE Reference Implementation 1.3

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	The J2EE Reference Implementation
Web Server or Application Server Version:	1.3

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

**Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK)
requirement:**

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for The J2EE RI with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

**Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK)
requirement:**

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:

a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on WebLogic 8.1 SP4

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebLogic
Web Server or Application Server Version:	8.1 SP4

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

**Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK)
requirement:**

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebLogic with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required.

WebLogic is supported with ArcGIS Server Java ADF 9.0 SP1 or higher for the viewer templates, and with Java ADF 9.1 or higher for the web catalog. At 9.1, the catalog is supported deployed as an unexpanded WAR file, and not as expanded folders and files.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on WebSphere Application Server 5.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebSphere Application Server
Web Server or Application Server Version:	5.0

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK)
requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebSphere Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows 2003 Server on WebSphere Application Server 5.1

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows 2003 Server
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebSphere Application Server
Web Server or Application Server Version:	5.1

Hardware Requirements

CPU Speed:

450 MHz minimum

650 MHz or higher recommended

Processor:

Pentium or Xeon Processors (i.e. Intel Workstation or Server)

Memory/RAM:

128 MB minumum, 256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

**Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK)
requirement:**

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or

JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebSphere Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required.

ArcGIS Server Java ADF 9.0 SP1 or higher is required for the viewer templates; Java ADF 9.1 or higher is required for the web catalog.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on PC-Intel Windows XP Professional Edition

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	Limitations
Apache 2.0.49	Limitations
Internet Information Server 5.1	Limitations
JRun 4.0	Limitations
Sun Java System (Sun ONE) Application Server 7.0	Limitations
Sun Java System (Sun ONE) Application Server 8	Limitations
The J2EE Reference Implementation 1.3	Limitations
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	Limitations
WebLogic 8.1 SP4	Limitations
WebSphere Application Server 5.0	Limitations

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Servlet Engine: Tomcat 4.1.29 - During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on Apache 2.0.49

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.49

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server
- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:
a. Directory deployed by the Java ADF arcgisant deployment tool.
b. Directory deployed by the Tomcat administrator.
c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.
d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.
Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:
- webcontrols
- templates
- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on Internet Information Server 5.1

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Internet Information Server
Web Server or Application Server Version:	5.1

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:
- Web server
- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:
- J2EE compliant Application Server
The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

Jrun 4 Updater 3

Notes for JRun with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- ArcGIS Server API

Java ADF arcgisant deploy and undeploy commands are not provided. Web applications should be built with arcgisant, and deployed/undeployed using the web server administration.

ServletExec ISAPI 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See
http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for
directions on determining the version and patch level of ServletExec you have installed.
ServletExec_5_0p02.zip is available from
ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an
OutofMemory error was encountered. This problem was investigated on the forums and
notes were found indicating the problem was resolved with Tomcat 5.x. Testing with
Tomcat 5.0.18 didn't produce the problem. The error noted here can be further
investigated on the Tomcat forums:
http://jakarta.apache.org/tomcat/faq/memory.html
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:
a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Servlet Engine: Tomcat 4.1.29 - During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: [IBM Websphere Software](#).

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on JRun 4.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	JRun
Web Server or Application Server Version:	4.0

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for JRun with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on Sun Java System (Sun ONE) Application Server 7.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to **Limitations**)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	7.0

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[60]Notes for Sun Java System Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required. A separate JDK is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on Sun Java System (Sun ONE) Application Server 8

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to **Limitations**)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	8

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Sun Java System Application Server 8 with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Sun Java System Application Server 8 is supported with ArcGIS Server Java ADF 9.0 SP1 or higher.

Java ADF arcgisant deploy and undeploy commands are provided for Sun Java System Application Server 8 with Java ADF versions 9.1 and higher. For Java ADF versions 9.0 SP1, 9.0 SP2, and 9.0.1, web applications should be built with arcgisant, and deployed/undeployed using the application server administration.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article [FAQ: Windows XP SP2 and ArcGIS 9.0 Products](#) for details.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: [IBM Websphere Software](#).

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on The J2EE Reference Implementation 1.3

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	The J2EE Reference Implementation
Web Server or Application Server Version:	1.3

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for The J2EE RI with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

The following types of deployments are supported:

a. Directory deployed by the Java ADF arcgisant deployment tool.

b. Directory deployed by the Tomcat administrator.

c. WAR file deployed by the Tomcat administrator with unpackWARs set to 'true'.

d. WAR file deployed by the Tomcat administrator with unpackWARs set to 'false' is only supported with Java ADF 9.0 SP1 or higher for viewer templates, and with Java ADF 9.1 or higher for the catalog template.

Note: The Java ADF arcgisant deployment tool ignores the Tomcat unpackWARs setting and always unpacks the WAR file, expanding it's contents in to folders and files.

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on WebLogic 8.1 SP4

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebLogic
Web Server or Application Server Version:	8.1 SP4

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebLogic with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

- JCA resource adapter

A servlet engine is not required.

WebLogic is supported with ArcGIS Server Java ADF 9.0 SP1 or higher for the viewer templates, and with Java ADF 9.1 or higher for the web catalog. At 9.1, the catalog is supported deployed as an unexpanded WAR file, and not as expanded folders and files.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: [IBM Websphere Software](#).

ArcGIS Server - Java ADF 9.0 with PC-Intel Windows XP Professional Edition on WebSphere Application Server 5.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebSphere Application Server
Web Server or Application Server Version:	5.0

Hardware Requirements

CPU Speed:

450 MHz minimum, 650 MHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

128 MB minumum,256 MB recommended

Display Properties:

24 bit color depth

Disk Space:

341 MB NTFS

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebSphere Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Platform: ArcGIS Server - Java ADF 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details.

Related Materials

Integrated Development Environment: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on Sun Solaris 8 (SPARC)

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	
ServletExec AS 5.0 patch 2	
Sun Java System (Sun ONE) Application Server 7.0	
The J2EE Reference Implementation 1.3	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	
WebLogic 8.1 SP4	

ArcGIS Server - Java ADF 9.0 with Sun Solaris 8 (SPARC) on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 8 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

ServletExec AS 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Servlet Engine must be Servlet 2.3 and JSP 1.2 Compliant.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 8 (SPARC) on ServletExec AS 5.0 patch 2

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 8 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	ServletExec AS
Web Server or Application Server Version:	5.0 patch 2

Hardware Requirements

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[42]Notes for Servlet Exec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 8 (SPARC) on Sun Java System (Sun ONE) Application Server 7.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 8 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	7.0

Hardware Requirements

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Sun Java System Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 8 (SPARC) on the J2EE Reference Implementation 1.3

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 8 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	The J2EE Reference Implementation
Web Server or Application Server Version:	1.3

Hardware Requirements

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for The J2EE RI with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 8 (SPARC) on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 8 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- web service catalogs

- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

ArcGIS Server - Java ADF 9.0 with Sun Solaris 8 (SPARC) on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 8 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 8 (SPARC) on WebLogic 8.1 SP4

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 8 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebLogic
Web Server or Application Server Version:	8.1 SP4

Hardware Requirements

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebLogic with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

WebLogic is supported with ArcGIS Server Java ADF 9.0 SP1 or higher for the viewer templates, and with Java ADF 9.1 or higher for the web catalog. At 9.1, the catalog is supported deployed as an unexpanded WAR file, and not as expanded folders and files.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: [System Design Strategies](#).

Supported Web Servers and Application Servers for ArcGIS Server - Java ADF 9.0 on Sun Solaris 9 (SPARC)

Click on a server name to get more information.

Web Server or Application Server	Notes
Apache 2.0.46	
ServletExec AS 5.0 patch 2	
Sun Java System (Sun ONE) Application Server 7.0	
The J2EE Reference Implementation 1.3	
Tomcat 4.1.29	Limitations
Tomcat 5.0.18	
WebLogic 8.1 SP4	

ArcGIS Server - Java ADF 9.0 with Sun Solaris 9 (SPARC) on Apache 2.0.46

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 9 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Apache
Web Server or Application Server Version:	2.0.46

Hardware Requirements

Processor:

1.0 GHz recommended or higher

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Supported Servlet Engines

ServletExec AS 5.0 patch 2

[43]Notes for ServletExec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Tomcat 4.1.29

[48]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:
- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

JDK 1.5.0_06 is required.

Limitations: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266
http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

Tomcat 5.0.18

Servlet Engine must be Servlet 2.3 and JSP 1.2 Compliant.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 9 (SPARC) on ServletExec AS 5.0 patch 2

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 9 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	ServletExec AS
Web Server or Application Server Version:	5.0 patch 2

Hardware Requirements

Processor:

1.0 GHz recommended or higher

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[42]Notes for Servlet Exec with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

ArcGIS Server Java ADF supports ServletExec 5.0 with patch 2. See http://www.newatlanta.com/biz/c/products/servletexec/self_help/faq/detail?faqId=94 for directions on determining the version and patch level of ServletExec you have installed. ServletExec_5_0p02.zip is available from ftp://ftp.newatlanta.com/public/servletexec/5_0/patches/.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 9 (SPARC) on Sun Java System (Sun ONE) Application Server 7.0

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 9 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Sun Java System (Sun ONE) Application Server
Web Server or Application Server Version:	7.0

Hardware Requirements

Processor:

1.0 GHz recommended or higher

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Sun Java System Application Server with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 9 (SPARC) on the J2EE Reference Implementation 1.3

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 9 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	The J2EE Reference Implementation
Web Server or Application Server Version:	1.3

Hardware Requirements

Processor:

1.0 GHz recommended or higher

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for The J2EE RI with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- JCA resource adapter

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 9 (SPARC) on Tomcat 4.1.29

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 9 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	4.1.29

Hardware Requirements

Processor:

1.0 GHz recommended or higher

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

[57]Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols
- templates
- web service catalogs
- ArcGIS Server API

A servlet engine is not required. JDK 1.5.0_06 is required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Limitations

Web Server: During stress testing with ArcGIS Server Java ADF and Tomcat 4.1.29, an OutofMemory error was encountered. This problem was investigated on the forums and notes were found indicating the problem was resolved with Tomcat 5.x. Testing with Tomcat 5.0.18 didn't produce the problem. The error noted here can be further investigated on the Tomcat forums:

http://jakarta.apache.org/tomcat/faq/memory.html

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=22151

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15266

http://nagoya.apache.org/bugzilla/show_bug.cgi?id=15845

ArcGIS Server - Java ADF 9.0 with Sun Solaris 9 (SPARC) on Tomcat 5.0.18

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 9 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	Tomcat
Web Server or Application Server Version:	5.0.18

Hardware Requirements

Processor:

1.0 GHz recommended or higher

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for Tomcat with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

ArcGIS Server - Java ADF 9.0 with Sun Solaris 9 (SPARC) on WebLogic 8.1 SP4

Product:	ArcGIS Server - Java ADF 9.0
Platform:	Sun
Operating System:	Solaris 9 (SPARC)
Shipping/Release Date:	December 1, 2003
Web Server or Application Server:	WebLogic
Web Server or Application Server Version:	8.1 SP4

Hardware Requirements

Processor:

1.0 GHz recommended or higher

Memory/RAM:

128 MB minumum, 256 MB or higher recommended

Display Properties:

24 bit color depth

Disk Space:

750 MB

Software Requirements

Java 2 Platform, Standard Edition Software Developer Kit (J2SE SDK, or JDK) requirement:

- JDK version 1.4.1 on Windows or AIX.

- JDK version 1.4.2 on Solaris, HP-UX, or Linux.

Additional requirements:

If you are using the ArcGIS Server Java ADF Web controls and Web templates to build Servlet or JSP based web applications, the following are required:

- Web server

- Servlet engine

If you are using the ArcGIS Server Java ADF to develop or build Enterprise Java Bean (EJB) applications, the following are required:

- J2EE compliant Application Server

The J2EE compliant resource adapter provided with ArcGIS Server Java ADF must be deployed to a J2EE compliant Application Server.

Server Notes

Notes for WebLogic with ArcGIS Server Java ADF:

Supported uses of the Java ADF are:

- webcontrols

- templates

- ArcGIS Server API

A servlet engine is not required.

WebLogic is supported with ArcGIS Server Java ADF 9.0 SP1 or higher for the viewer templates, and with Java ADF 9.1 or higher for the web catalog. At 9.1, the catalog is supported deployed as an unexpanded WAR file, and not as expanded folders and files.

Best Performance Configuration

System Design Strategies

Recommended platform sizing and system configuration strategies are provided in the System Design Strategies technical reference document available at: System Design Strategies.

Supported web browsers for ArcGIS Server - Java ADF

- **Internet Explorer 6.0 or higher**
- PC-Intel Windows 2000 Professional
  - o Your Web Browser must be DOM compliant.
- PC-Intel Windows XP Professional Edition
  - o Your Web Browser must be DOM compliant.

- **Mozilla 1.4**
- Sun Solaris 8 (SPARC)
- Sun Solaris 9 (SPARC)

- **Mozilla 1.5**
- HP HP-UX 11.i (32 bit or 64 bit) PA RISC
- IBM AIX 5.1.0.0
- IBM AIX 5.2.0.0
- Linux-Intel Red Hat Enterprise Linux AS/ES 3.0
- PC-Intel Windows 2000 Professional
- PC-Intel Windows 2000 Server
- PC-Intel Windows 2003 Server
- PC-Intel Windows XP Professional Edition
- Sun Solaris 8 (SPARC)
- Sun Solaris 9 (SPARC)

- **Mozilla 1.7.2**
- PC-Intel Windows 2000 Professional
  - o Supported with ArcGIS Server Java ADF 9.0 SP2 or higher. (Untested with ArcGIS Server Java ADF 9.0 or 9.0 SP1.)
- PC-Intel Windows 2000 Server
  - o Supported with ArcGIS Server Java ADF 9.0 SP2 or higher. (Untested with ArcGIS Server Java ADF 9.0 or 9.0 SP1.)
- PC-Intel Windows 2003 Server
  - o Supported with ArcGIS Server Java ADF 9.0 SP2 or higher. (Untested with ArcGIS Server Java ADF 9.0 or 9.0 SP1.)
- PC-Intel Windows XP Professional Edition
  - o Supported with ArcGIS Server Java ADF 9.0 SP2 or higher. (Untested with ArcGIS Server Java ADF 9.0 or 9.0 SP1.)
- Sun Solaris 8 (SPARC)
  - o Supported with ArcGIS Server Java ADF 9.0 SP2 or higher. (Untested with ArcGIS Server Java ADF 9.0 or 9.0 SP1.)
- Sun Solaris 9 (SPARC)
  - o Supported with ArcGIS Server Java ADF 9.0 SP2 or higher. (Untested with ArcGIS Server Java ADF 9.0 or 9.0 SP1.)

- **Netscape Communicator 6.2 or higher**
- HP HP-UX 11.i (32 bit or 64 bit) PA RISC
  - o Your Web Browser must be DOM compliant.
- Linux-Intel Red Hat Enterprise Linux AS/ES 3.0
  - o Your Web Browser must be DOM compliant.
- Sun Solaris 8 (SPARC)
  - o Your Web Browser must be DOM compliant.
- Sun Solaris 9 (SPARC)
  - o Your Web Browser must be DOM compliant.

- **Netscape Communicator 7**
- Sun Solaris 8 (SPARC)
- Sun Solaris 9 (SPARC)

- **Netscape Communicator 7.0 or higher**
- PC-Intel Windows 2000 Professional
    - o Your Web Browser must be DOM compliant.
- PC-Intel Windows XP Professional Edition
    - o Your Web Browser must be DOM compliant.

- **Netscape Communicator 7.1**
- PC-Intel Windows 2000 Professional
- PC-Intel Windows 2000 Server
- PC-Intel Windows XP Professional Edition

- **Netscape Communicator 7.2**
- PC-Intel Windows 2000 Professional
- PC-Intel Windows 2000 Server
- PC-Intel Windows XP Professional Edition

Supported Integrated Development Environments

IBM - Spatial Integration Adapter for WebSphere Studio 1.0

- PC-Intel Windows 2000 Professional
    - o Related Materials: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

- PC-Intel Windows XP Professional Edition
    - o Related Materials: See the IBM WebSphere Studio support site for additional information: IBM Websphere Software.

ArcGIS Server 9.0 on PC-Intel Windows XP Professional Edition

Product:	ArcGIS Server 9.0
Platform:	PC-Intel
Operating System:	Windows XP Professional Edition
Service Packs/Patches:	SP 1 SP2 (refer to Limitations)
Shipping/Release Date:	May 24, 2004

Hardware Requirements

CPU Speed:

800 MHz minimum, 1.0 GHz recommended or higher

Processor:

Intel Workstation and Server processors (i.e, Pentium or Xeon Processors)

Memory/RAM:

256 MB minumum, 512 MB recommended or higher

Display Properties:

24 bit color depth

Notes:

Internet Explorer 6.0 Requirement:

Some features of ArcGIS Server 9.0 require a minimum installation of Microsoft Internet Explorer Version 6.0. If you do not have an installation of Microsoft Internet Explorer Version 6.0, you must obtain and install it prior to installing ArcGIS Server.

Limitations

Platform: ArcGIS Server 9.0 on Windows XP Service Pack 2 is certified with limitations.

Refer to ESRI Knowledge Base Article FAQ: Windows XP SP2 and ArcGIS 9.0 Products for details. Windows XP SP2 users may need to configure a Windows Firewall. Refer to Site FAQs | Browser Support