ArcSDE 9.0 System Requirements

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

- HP HP-UX 11i (11.11) PA-RISC
  - IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 4a
  - Informix Dynamic Server 9.40 HC3
  - Oracle 8i (64 bit) 8.1.7
  - Oracle 9i (64 bit) 9.2.0.3.0
- HP TRU64.5.1a
  - Oracle 8i (64 bit) 8.1.7.0.0
  - Oracle 9i (64 bit) 9.2.0.3.0
- HP TRU64.5.1b
  - Oracle 9i (64 bit) 9.2.0.3.0
- IBM AIX 5.1
  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 4a
  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 6a
  - IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 4a
  - IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 6a
  - Informix Dynamic Server 9.40 UC3
  - Oracle 8i (32 bit) 8.1.7
  - Oracle 9i (64 bit) 9.2.0.3.0
- IBM AIX 5.2.0.0
  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 4a
  - IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 4a
  - IBM DB2 Universal Database 8.2 (UDB 64-bit) Fixpak 2a
  - Oracle 9i (64 bit) 9.2.0.3.0
- IBM AIX 5.3.0.0
  - IBM DB2 Universal Database 8.2 (UDB 32-bit) Fixpak 1
  - Oracle 9i (64 bit) 9.2.0.3.0
- Linux-Intel Red Hat Enterprise Linux AS/ES 3.0
  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 4a
  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 6a
  - IBM DB2 Universal Database 8.2 (UDB 32-bit) Fixpak 1
  - Oracle 9i (32bit) 9.2.0.4
- Linux-Intel SUSE Linux Enterprise Server 8
  - Oracle 9i (32bit) 9.2.0.4
- PC-Intel Windows 2000 Server, Advanced Server & Datacenter
  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 4a
  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 6a
- IBM DB2 Universal Database 8.2 (UDB 32-bit) Fixpak 1
- Informix Dynamic Server 9.40 TC3
- Microsoft SQL Server 2000 SP4
- Microsoft SQL Server 7
- Oracle 8i (32 bit) 8.1.7
- Oracle 9i (32 bit) 9.2.0.3.0

  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 4a
  - IBM DB2 Universal Database 8.2 (UDB 32-bit) Fixpak 1
  - Microsoft SQL Server 2000 SP4
  - Oracle 9i (32 bit) 9.2.0.3.0

- PC-Intel Windows NT Server 4.0
  - IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 4a
  - Informix Dynamic Server 9.40 TC3
  - Microsoft SQL Server 2000 SP4
  - Microsoft SQL Server 7
  - Oracle 8i (32 bit) 8.1.7
  - Oracle 9i (32 bit) 9.2.0.3.0

- Sun Solaris 8 (SPARC)
  - IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 4a
  - IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 6a
  - Informix Dynamic Server 9.40 UC3
  - Oracle 8i (32 bit) 8.1.7.0.0
  - Oracle 9i (32 bit) 9.2.0.3.0
  - Oracle 9i (64 bit) 9.2.0.3.0

- Sun Solaris 9 (SPARC)
  - IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 5
  - IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 1
  - Informix Dynamic Server IDS 9.40 UC3
  - Oracle 8i (32 bit) 8.1.7.0.0
  - Oracle 9i (32 bit) 9.2.0.3.0
  - Oracle 9i (64 bit) 9.2.0.3.0

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**ArcSDE 9.0 with HP HP-UX 11i (11.11) PA-RISC on IBM DB2 Universal Database 8.1 (UDB 64-bit) FixPak 4a**

Quick Links

[Hardware Requirements](#)
[Database Notes](#)
Compatibility Notes

Best Configuration

Limitations

Related Materials

Product: ArcSDE 9.0

Platform: HP

Operating System: HP-UX 11i (11.11) PA-RISC

Service Pack(s)/Patch(es): Please see the notes section for information.

Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.1 (UDB 64-bit)

DBMS Version: FixPak 4a

DBMS Certification Date: May 10, 2004

Hardware Requirements

Window System:
CDE or HP VUE

Notes:
Processor/CPU: HP PA-RISC
Patches:
June 2002 HP-UX TCOE
June 2002 HWEnable11i
June 2002 GOLDBASE11i
June 2002 GOLDAPPS11i
June 2002 IM11i
PHNE_27218 - s700_800 11.11 ONC/NFS General Release/Performance Patch
Database Notes

Requirements:
- IBM Spatial Extender Version 8.1 FP4a.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Limitations

Database:
- We are still investigating the use of Fixpak 6a and above. Contact Technical Support for more details.

Related Materials

Database:
More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a
FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
-Which Distributed Edition of DB2 Version 8 is Right for You?
-Comparing the distributed DB2 UDB servers
-DB2 System Requirements

ArcSDE 9.0 with HP HP-UX 11i (11.11) PA-RISC on INFORMIX Dynamic Server 9.40.HC3

Quick Links

Hardware Requirements
Database Notes
Compatibility Notes
Best Configuration

Product: ArcSDE 9.0

Platform: HP

Operating System: HP-UX 11i (11.11) PA-RISC

Service Pack(s)/Patch(es): Please see the notes section for information.

Shipping/Release Date: May 10, 2004

DBMS: INFORMIX Dynamic Server

DBMS Version: 9.40.HC3
Hardware Requirements

Window System:
CDE or HP VUE

Notes:
Processor/CPU: HP PA-RISC
Patches:
June 2002 HP-UX TCOE
June 2002 HWEnable11i
June 2002 GOLDBASE11i
June 2002 GOLDAPPS11i
June 2002 IM11i
PHNE_27218 - s700_800 11.11 ONC/NFS General Release/Performance Patch

Database Notes

Requires:
Informix Spatial Datablade 8.20.HC1
Informix ClientSDK 2.81.HC2
-ArcSDE 9.0 for Informix does not support Extensible Markup Language (XML). As a consequence, it will not support ArcIMS Metadata Server 9.0.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors.
including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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**ArcSDE 9.0 with HP HP-UX 11i (11.11) PA-RISC on Oracle 8i (32 bit) 8.1.7**

**Quick Links**

- Hardware Requirements
- Compatibility Notes
- Best Configuration
  - **Product:** ArcSDE 9.0
  - **Platform:** HP
  - **Operating System:** HP-UX 11i (11.11) PA-RISC

*Service Pack(s)/Patch(es):* Please see the notes section for information.

*Shipping/Release Date:* May 10, 2004

*DBMS:* Oracle 8i (32 bit)

*DBMS Version:* 8.1.7

*DBMS Certification Date:* May 10, 2004

**Hardware Requirements**
Window System:
CDE or HP VUE

Notes:
Processor/CPU: HP PA-RISC
Patches:
June 2002 HP-UX TCOE
June 2002 HWEnable11i
June 2002 GOLDBASE11i
June 2002 GOLDAPPS11i
June 2002 IM11i
PHNE_27218 - s700_800 11.11 ONC/NFS General Release/Performance Patch

Compatibility Notes
The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with HP HP-UX 11i (11.11) PA-RISC on Oracle 9i (64 bit) 9.2.0.3.0**

Quick Links
Hardware Requirements

Database Notes

Compatibility Notes

Best Configuration

Product:  ArcSDE 9.0

Platform:  HP

Operating System:  HP-UX 11i (11.11) PA-RISC

Service Pack(s)/Patch(es):  Please see the notes section for information.

Shipping/Release Date:  May 10, 2004

DBMS:  Oracle 9i (64 bit)

DBMS Version:  9.2.0.3.0

DBMS Certification Date:  May 10, 2004

Hardware Requirements

Window System:

CDE or HP VUE

Notes:

Processor/CPU:  HP PA-RISC

Patches:
June 2002 HP-UX TCOE
June 2002 HWEnable11i
June 2002 GOLDBASE11i
June 2002 GOLDAPPS11i
June 2002 IM11i

PHNE_27218 - s700_800 11.11 ONC/NFS General Release/Performance Patch
**Database Notes**

Please see KB article #25896 for additional required Oracle Spatial patch information.

**Oracle Patch Support**
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation’s Patch Set Overview documentation.

**Compatibility Notes**
The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with HP TRU64 5.1a on Oracle 8i (64 bit) 8.1.7.0.0**

**Quick Links**
- Hardware Requirements
- Compatibility Notes
- Best Configuration
Hardware Requirements

Notes:

Loading mandatory OS subsets:
Compaq Fortran for Tru64 UNIX Alpha Systems Run-Time Support (/usr/shlib/libfor.so) is required for ArcInfo software. In this example, CDROM is SCSI #4.

1. Mount Tru64 UNIX Associated Products CD: mount -dr /dev/rz4c /cdrom.
2. Load subset from /cdrom/ALPHA using the `setld -l` command.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors.
including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with HP TRU64 5.1a on Oracle 9i (64 bit) 9.2.0.3.0**

**Quick Links**

- Hardware Requirements
- Database Notes
- Compatibility Notes
- **Best Configuration**

**Product:** ArcSDE 9.0

**Platform:** HP TRU64

**Operating System:** 5.1a

**Shipping/Release Date:** May 10, 2004

**DBMS:** Oracle 9i (64 bit)

**DBMS Version:** 9.2.0.3.0

**DBMS Certification Date:** May 10, 2004

**Hardware Requirements**

**Notes:**
Loading mandatory OS subsets:
Compaq Fortran for Tru64 UNIX Alpha Systems Run-Time Support (/usr/shlib/libfor.so) is required for ArcInfo software. In this example, CDROM is SCSI #4.

1. Mount Tru64 UNIX Associated Products CD: mount -dr /dev/rz4c /cdrom.
2. Load subset from /cdrom/ALPHA using the ‘setld –l’ command.

**Database Notes**

Please see KB article #25896 for additional required Oracle Spatial patch information.

**Oracle Patch Support**

Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.
ArcSDE 9.0 with HP TRU64 5.1b on Oracle 9i (64 bit) 9.2.0.3.0

Quick Links

Hardware Requirements
Database Notes
Compatibility Notes
Best Configuration

Product: ArcSDE 9.0

Platform: HP TRU64

Operating System: 5.1b

Shipping/Release Date: May 10, 2004

DBMS: Oracle 9i (64 bit)

DBMS Version: 9.2.0.3.0

DBMS Certification Date: May 10, 2004

Hardware Requirements

Notes:
Loading mandatory OS subsets:
Compaq Fortran for Tru64 UNIX Alpha Systems Run-Time Support (/usr/shlib/libfor.so) is required for ArcInfo software. In this example, CDROM is SCSI #4.

1. Mount Tru64 UNIX Associated Products CD: mount -dr /dev/rz4c /cdrom.
2. Load subset from /cdrom/ALPHA using the ‘setld –l’ command.

Database Notes

Please see KB article #25896 for additional required Oracle Spatial patch information.
Oracle Patch Support
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

**Compatibility Notes**
The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with IBM AIX 5.1 on IBM DB2 Universal Database 8.1 (UDB 32-bit) FixPak 4a**

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**Quick Links**
- [Database Notes](#)
- [Compatibility Notes](#)
- [Best Configuration](#)
- [Related Materials](#)

**Product:** ArcSDE 9.0
**Platform:** IBM

**Operating System:** AIX 5.1

**Shipping/Release Date:** May 10, 2004

**DBMS:** IBM DB2 Universal Database 8.1 (UDB 32-bit)

**DBMS Version:** FixPak 4a

**DBMS Certification Date:** May 10, 2004

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**Database Notes**

Requires IBM Spatial Extender Version 8.1 FP4a.

**Requirements:**
- IBM Spatial Extender Version 8.1 FP4a.

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**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

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**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.
For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Related Materials

Database:

More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
-Which Distributed Edition of DB2 Version 8 is Right for You?
-Comparing the distributed DB2 UDB servers
-DB2 System Requirements
-Known issues for DB2 Universal Database on AIX 4.3.3, 5.1, 5.2, and 5.3

ArcSDE 9.0 with IBM AIX 5.1 on IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 6a

Quick Links

Database Notes
Compatibility Notes
Best Configuration
Related Materials

Product: ArcSDE 9.0

Platform: IBM
Operating System: AIX 5.1

Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.1 (UDB 32-bit)

DBMS Version: Fixpak 6a

DBMS Certification Date: May 10, 2004

Database Notes

Requirements:
- IBM Spatial Extender Version 8.1 FP6a.
- [ArcSDE 9.0 Service Pack 3] - This includes fixes from ArcSDE 9.0 SP2 that add support for fixpak 6 (and greater) functionality. For a complete list please refer to the Service Pack 3 link.

Compatibility Notes
The [Compatibility Matrix] shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

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System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Related Materials

Database:

More ESRI Related Information:
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- [FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?](#)

More DB2 Related Information:
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
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  - [Comparing the distributed DB2 UDB servers](#)
  - [DB2 System Requirements](#)
  - [Known issues for DB2 Universal Database on AIX 4.3.3, 5.1, 5.2, and 5.3](#)

ArcSDE 9.0 with IBM AIX 5.1 on IBM DB2 Universal Database 8.1 (UDB 64-bit) FixPak 4a

Quick Links

Database Notes
Compatibility Notes
Best Configuration
Related Materials

Product: ArcSDE 9.0

Platform: IBM

Operating System: AIX 5.1
**Shipping/Release Date:** May 10, 2004

**DBMS:** IBM DB2 Universal Database 8.1 (UDB 64-bit)

**DBMS Version:** FixPak 4a

**DBMS Certification Date:** May 10, 2004

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**Database Notes**

**Requirements:**
- IBM Spatial Extender Version 8.1 FP4a.

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**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

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**Best Performance Configuration**

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**Related Materials**
Database:

More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
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-DB2 System Requirements
-Known issues for DB2 Universal Database on AIX 4.3.3, 5.1, 5.2, and 5.3

ArcSDE 9.0 with IBM AIX 5.1 on IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 6a

Quick Links

- Database Notes
- Compatibility Notes
- Best Configuration
- Related Materials

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<td>Platform:</td>
<td>IBM</td>
</tr>
<tr>
<td>Operating System:</td>
<td>AIX 5.1</td>
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<tr>
<td>Shipping/Release Date:</td>
<td>May 10, 2004</td>
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<tr>
<td>DBMS:</td>
<td>IBM DB2 Universal Database 8.1 (UDB 64-bit)</td>
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</table>
**Database Notes**

**Requirements:**
- IBM Spatial Extender Version 8.1 FP6a.
- [ArcSDE 9.0 Service Pack 3](#) - This includes fixes from ArcSDE 9.0 SP2 that add support for DB2 8.1 fixpak 6 (and greater) functionality. For a complete list please refer to the Service Pack 3 link.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**Related Materials**
Database:

More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
- Which Distributed Edition of DB2 Version 8 is Right for You?
- Comparing the distributed DB2 UDB servers
- DB2 System Requirements
- Known issues for DB2 Universal Database on AIX 4.3.3, 5.1, 5.2, and 5.3

ArcSDE 9.0 with IBM AIX 5.1 on INFORMIX Dynamic Server 9.40.UC3

Quick Links

Database Notes
Compatibility Notes
Best Configuration

Product: ArcSDE 9.0
Platform: IBM
Operating System: AIX 5.1
Shipping/Release Date: May 10, 2004
DBMS: INFORMIX Dynamic Server
DBMS Version: 9.40.UC3
**Database Notes**


Requires:
Informix Spatial Datablade 8.20.UC1
Informix ClientSDK 2.81.UC2

-ArcSDE 9.0 for Informix does not support Extensible Markup Language (XML). As a consequence, it will not support ArcIMS Metadata Server 9.0.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with IBM AIX 5.1 on Oracle 8i (32 bit) 8.1.7.0.0**

**Quick Links**

[Compatibility Notes](#)
Best Configuration

Product: ArcSDE 9.0

Platform: IBM

Operating System: AIX 5.1

Shipping/Release Date: May 10, 2004

DBMS: Oracle 8i (32 bit)

DBMS Version: 8.1.7.0.0

DBMS Certification Date: May 10, 2004

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the...
System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

ArcSDE 9.0 with IBM AIX 5.1 on Oracle 9i (64 bit) 9.2.0.3.0

Quick Links

- Database Notes
- Compatibility Notes
- Best Configuration

**Product:** ArcSDE 9.0

**Platform:** IBM

**Operating System:** AIX 5.1

**Shipping/Release Date:** May 10, 2004

**DBMS:** Oracle 9i (64 bit)

**DBMS Version:** 9.2.0.3.0

**DBMS Certification Date:** May 10, 2004

Database Notes

Oracle Patch Support

Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

Please see KB article #25896 for additional required Oracle Spatial patch information.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependent on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with IBM AIX 5.2.0.0 on IBM DB2 Universal Database 8.1 (UDB 32-bit) FixPak 4a**

**Quick Links**

- Database Notes
- Compatibility Notes
- Best Configuration
- Related Materials
  - Product: ArcSDE 9.0
  - Platform: IBM
  - Operating System: AIX 5.2.0.0
  - Shipping/Release Date: May 10, 2004
Hardware Certification Date: May 10, 2004

**DBMS:** IBM DB2 Universal Database 8.1 (UDB 32-bit)

**DBMS Version:** FixPak 4a

**DBMS Certification Date:** May 10, 2004

Database Notes

**Requirements:**
- IBM Spatial Extender Version 8.1 FP4a.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Related Materials
Database:

More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
  - Which Distributed Edition of DB2 Version 8 is Right for You?
  - Comparing the distributed DB2 UDB servers
  - DB2 System Requirements
  - Known issues for DB2 Universal Database on AIX 4.3.3, 5.1, 5.2, and 5.3

ArcSDE 9.0 with IBM AIX 5.2.0.0 on IBM DB2 Universal Database 8.1 (UDB 64-bit) FixPak 4a

Quick Links

Database Notes
Compatibility Notes
Best Configuration
Related Materials

Product: ArcSDE 9.0

Platform: IBM
Operating System: AIX 5.2.0.0

Shipping/Release Date: May 10, 2004

Hardware Certification Date: May 10, 2004
DBMS: IBM DB2 Universal Database 8.1 (UDB 64-bit)

DBMS Version: FixPak 4a

DBMS Certification Date: May 10, 2004

Database Notes

Requirements:
- IBM Spatial Extender Version 8.1 FP4a.

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Related Materials

Database:

More ESRI Related Information:
ESRI Supported Environment Policy

FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
-Which Distributed Edition of DB2 Version 8 is Right for You?
-Comparing the distributed DB2 UDB servers
-DB2 System Requirements
-Known issues for DB2 Universal Database on AIX 4.3.3, 5.1, 5.2, and 5.3

ArcSDE 9.0 with IBM AIX 5.2.0.0 on IBM DB2 Universal Database 8.2 (UDB 64-bit) Fixpak 2a

Quick Links

Database Notes
Compatibility Notes
Best Configuration
Limitations
Related Materials

Product: ArcSDE 9.0
Platform: IBM
Operating System: AIX 5.2.0.0
Shipping/Release Date: May 10, 2004
Hardware Certification Date: May 10, 2004
DBMS: IBM DB2 Universal Database 8.2 (UDB 64-bit)
**Database Notes**

**Requirements:**
- IBM Spatial Extender Version 8.2 FP2a (8.1 FP9a).
- IBM APAR IY79365 (AIX 5.2) - This is an operating system patch for intermittent memory problems.
- ArcSDE 9.0 Service Pack 3 - This includes fixes from ArcSDE 9.0 SP2 that add support for DB2 8.2 functionality. For a complete list please refer to the Service Pack 3 link.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**Limitations**
**Database:**

**Known Issues:**
CQ00284468: When using Direct Connect with sde admin commands on the server machine, DB2 8.2 FP9a/10 may fail with: SQL0804N appl prog params for current request not valid.
CQ00284735: Connections using direct connect on server machine while the giomgr process is running may cause the server to run out of DB2 application heap size (database configuration parameter APPLHEAPSZ) and then not allow any further connections until the heap size is made larger or reset (by restarting db2).

**Related Materials**

**Database:**

**More ESRI Related Information:**
- [ESRI Supported Environment Policy](#)
- [FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?](#)

**More DB2 Related Information:**
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
- [Which Distributed Edition of DB2 Version 8 is Right for You?](#)
- [Comparing the distributed DB2 UDB servers](#)
- [DB2 System Requirements](#)
- [Known issues for DB2 Universal Database on AIX 4.3.3, 5.1, 5.2, and 5.3](#)

**ArcSDE 9.0 with IBM AIX 5.2.0.0 on Oracle 9i (64 bit) 9.2.0.3.0**

**Quick Links**

- [Database Notes](#)
- [Compatibility Notes](#)
- [Best Configuration](#)
  
  **Product:** ArcSDE 9.0
Database Notes
Oracle Patch Support
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often
consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

ArcSDE 9.0 with IBM AIX 5.3.0.0 on IBM DB2 Universal Database 8.2 (UDB 32-bit) Fixpak 1

Quick Links

- Database Notes
- Compatibility Notes
- Best Configuration
- Related Materials

Product: ArcSDE 9.0
Platform: IBM
Operating System: AIX 5.3.0.0
Shipping/Release Date: May 10, 2004

Hardware Certification Date: November 5, 2004
DBMS: IBM DB2 Universal Database 8.2 (UDB 32-bit)
DBMS Version: Fixpak 1
DBMS Certification Date: May 10, 2004

Database Notes

Requirements:
- IBM Spatial Extender Version 8.2 FP1 (8.1 FP8). FixPak 8a has a few additional fixes. This is supported and assumed to work but untested at the present time.
-ArcSDE 9.0 Service Pack 3 - This includes fixes from ArcSDE 9.0 SP2 that add support for DB2 8.2 functionality. For a complete list please refer to the Service Pack 3 link.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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**Related Materials**

**Database:**

**More ESRI Related Information:**
- [ESRI Supported Environment Policy](#)
- [FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?](#)

**More DB2 Related Information:**

-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of
DB2, refer to the articles listed below.
- Which Distributed Edition of DB2 Version 8 is Right for You?
- Comparing the distributed DB2 UDB servers
- DB2 System Requirements
- Known issues for DB2 Universal Database on AIX 4.3.3, 5.1, 5.2, and 5.3

ArcSDE 9.0 with IBM AIX 5.3.0.0 on Oracle 9i (64 bit) 9.2.0.3.0

Quick Links

Database Notes
Compatibility Notes
Best Configuration

Product: ArcSDE 9.0
Platform: IBM
Operating System: AIX 5.3.0.0
Shipping/Release Date: May 10, 2004

Hardware Certification Date: November 5, 2004
DBMS: Oracle 9i (64 bit)
DBMS Version: 9.2.0.3.0
DBMS Certification Date: May 10, 2004

Database Notes
Oracle Patch Support
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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**ArcSDE 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on IBM DB2 Universal Database 8.1 (UDB 32-bit) FixPak 4a**

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Service Pack(s)/Patch(es): Update 2 or higher

Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.1 (UDB 32-bit)

DBMS Version: FixPak 4a

DBMS Certification Date: May 10, 2004

Hardware Requirements
Architecture:
x86 architecture (32-bit)

Notes:

OPERATING SYSTEM REQUIREMENTS
ArcSDE 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 ArcSDE to function properly:
Base Development package
Base Legacy Software Development package

Database Notes

Requirements:
- IBM Spatial Extender Version 8.1 FP4a.
- A minimum of RHEL 3 Update 1
Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Related Materials

Database:

More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
-Which Distributed Edition of DB2 Version 8 is Right for You?
Comparing the distributed DB2 UDB servers

DB2 System Requirements

ArcSDE 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on IBM DB2 Universal Database 8.1 (UDB 32-bit) Fixpak 6a

Quick Links

Hardware Requirements
Database Notes
Compatibility Notes
Best Configuration
Related Materials

Product: ArcSDE 9.0
Platform: Linux-Intel
Operating System: Red Hat Enterprise Linux AS/ES 3.0
Service Pack(s)/Patch(es): Update 2 or higher
Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.1 (UDB 32-bit)
DBMS Version: Fixpak 6a
DBMS Certification Date: May 10, 2004

Hardware Requirements

Architecture:
x86 architecture (32-bit)

Notes:

OPERATING SYSTEM REQUIREMENTS
ArcSDE 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 webserver 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 ArcSDE to function properly:
Base Development package
Base Legacy Software Development package

**Database Notes**

**Requirements:**
- IBM Spatial Extender Version 8.1 FP6a.
- [ArcSDE 9.0 Service Pack 3](#) - This includes fixes from ArcSDE 9.0 SP2 that add support for fixpak 6 (and greater) functionality. For a complete list please refer to the Service Pack 3 link.
- A minimum of RHEL 3 Update 2

**Compatibility Notes**
The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often
consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**Related Materials**

**Database:**

**More ESRI Related Information:**
- [ESRI Supported Environment Policy](#)
- [FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?](#)

**More DB2 Related Information:**
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
  - [Which Distributed Edition of DB2 Version 8 is Right for You?](#)
  - [Comparing the distributed DB2 UDB servers](#)
  - [DB2 System Requirements](#)

**ArcSDE 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on IBM DB2 Universal Database 8.2 (UDB 32-bit) Fixpak 1**

**Quick Links**

- [Hardware Requirements](#)
- [Database Notes](#)
- [Compatibility Notes](#)
- [Best Configuration](#)
- [Related Materials](#)

**Product:** ArcSDE 9.0

**Platform:** Linux-Intel
**Operating System:** Red Hat Enterprise Linux AS/ES 3.0

**Service Pack(s)/Patch(es):** Update 2 or higher

**Shipping/Release Date:** May 10, 2004

**DBMS:** IBM DB2 Universal Database 8.2 (UDB 32-bit)

**DBMS Version:** Fixpak 1

**DBMS Certification Date:** May 10, 2004

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### Hardware Requirements

**Architecture:**

x86 architecture (32-bit)

**Notes:**

### OPERATING SYSTEM REQUIREMENTS

ArcSDE 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 ArcSDE to function properly:

Base Development package

Base Legacy Software Development package

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### Database Notes

**Requirements:**

- IBM Spatial Extender Version 8.2 FP1 (8.1 FP8). FixPak 8a has a few additional fixes. This is
supported and assumed to work but untested at the present time.

-ArcSDE 9.0 Service Pack 3 - This includes fixes from ArcSDE 9.0 SP2 that add support for DB2 8.2 functionality. For a complete list please refer to the Service Pack 3 link.
-A minimum of RHEL 3 Update 2

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**Related Materials**

**Database:**

**More ESRI Related Information:**
- [ESRI Supported Environment Policy](#)
- [FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?](#)

**More DB2 Related Information:**
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2
UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.

- Which Distributed Edition of DB2 Version 8 is Right for You?
- Comparing the distributed DB2 UDB servers
- DB2 System Requirements

**ArcSDE 9.0 with Linux-Intel Red Hat Enterprise Linux AS/ES 3.0 on Oracle 9i (32 bit) 9.2.0.4**

**Quick Links**

- Hardware Requirements
- Database Notes
- Compatibility Notes
- Best Configuration

**Product:** ArcSDE 9.0

**Platform:** Linux-Intel

**Operating System:** Red Hat Enterprise Linux AS/ES 3.0

**Service Pack(s)/Patch(es):** Update 2 or higher

**Shipping/Release Date:** May 10, 2004

**DBMS:** Oracle 9i (32 bit)

**DBMS Version:** 9.2.0.4

**DBMS Certification Date:** May 10, 2004

**Hardware Requirements**

**Architecture:**

x86 architecture (32-bit)
Notes:

OPERATING SYSTEM REQUIREMENTS

ArcSDE 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 ArcSDE to function properly:
Base Development package
Base Legacy Software Development package

Database Notes

Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect
configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with Linux-Intel SUSE Linux Enterprise Server 8 on Oracle 9i (32 bit) 9.2.0.4**

**Quick Links**

- Hardware Requirements
- Database Notes
- Compatibility Notes
- Best Configuration

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**Hardware Requirements**

**Architecture:**

x86 architecture (32-bit)

**Notes:**
OPERATING SYSTEM REQUIREMENTS
ArcSDE 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 for Suse will be supported as long as the patches are supported by the webserver and they are from Suse without any modification to the latest kernel/glibc version.

Database Notes
Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

ArcSDE 9.0 with PC-Intel Windows 2000 Server, Advanced Server & Datacenter on IBM DB2 Universal Database 8.1 (UDB 32-bit) FixPak 4a

Quick Links

- Database Notes
- Compatibility Notes
- Best Configuration
- Related Materials

Product: ArcSDE 9.0

Platform: PC-Intel


Service Pack(s)/Patch(es): SP4

Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.1 (UDB 32-bit)

DBMS Version: FixPak 4a

DBMS Certification Date: May 10, 2004

Database Notes

Requirements:
- IBM Spatial Extender Version 8.1 FP4a.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**Related Materials**

**Database:**

**More ESRI Related Information:**

- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

**More DB2 Related Information:**

-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.

-Which Distributed Edition of DB2 Version 8 is Right for You?
-Comparing the distributed DB2 UDB servers
-DB2 System Requirements
**Quick Links**

- Database Notes
- Compatibility Notes
- Best Configuration
- Related Materials
  
  **Product:** ArcSDE 9.0  
  
  **Platform:** PC-Intel  
  
  **Operating System:** Windows 2000 Server, Advanced Server & Datacenter

**Service Pack(s)/Patch(es):** SP4

**Shipping/Release Date:** May 10, 2004

**DBMS:** IBM DB2 Universal Database 8.1 (UDB 32-bit)

**DBMS Version:** Fixpak 6a

**DBMS Certification Date:** May 10, 2004

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**Database Notes**

**Requirements:**

- IBM Spatial Extender Version 8.1 FP6a.
- [ArcSDE 9.0 Service Pack 3](#) - This includes fixes from ArcSDE 9.0 SP2 that add support for fixpak 6 (and greater) functionality. For a complete list please refer to the Service Pack 3 link.

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**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

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**Best Performance Configuration**
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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**Related Materials**

**Database:**

**More ESRI Related Information:**
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

**More DB2 Related Information:**
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
- Which Distributed Edition of DB2 Version 8 is Right for You?
- Comparing the distributed DB2 UDB servers
- DB2 System Requirements
ArcSDE 9.0 with PC-Intel Windows 2000 Server, Advanced Server & Datacenter on IBM DB2 Universal Database 8.2 (UDB 32-bit) Fixpak 1

Quick Links

Database Notes
Compatibility Notes
Best Configuration
Related Materials

Product: ArcSDE 9.0

Platform: PC-Intel


Service Pack(s)/Patch(es): SP4

Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.2 (UDB 32-bit)

DBMS Version: Fixpak 1

DBMS Certification Date: May 10, 2004

Database Notes

Requirements:
- IBM Spatial Extender Version 8.2 FP1 (8.1 FP8). FixPak 8a has a few additional fixes. This is supported and assumed to work but untested at the present time.
- ArcSDE 9.0 Service Pack 3 - This includes fixes from ArcSDE 9.0 SP2 that add support for DB2 8.2 functionality. For a complete list please refer to the Service Pack 3 link.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.
Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

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Related Materials

Database:

More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
-Which Distributed Edition of DB2 Version 8 is Right for You?
-Comparing the distributed DB2 UDB servers
-DB2 System Requirements

Quick Links

Database Notes
Compatibility Notes
Best Configuration

Product: ArcSDE 9.0

Platform: PC-Intel


Service Pack(s)/Patch(es): SP4

Shipping/Release Date: May 10, 2004

DBMS: INFORMIX Dynamic Server

DBMS Version: 9.40.TC3

DBMS Certification Date: May 10, 2004

Database Notes
Requires:
Informix Spatial Datablade 8.20.TC1
Informix ClientSDK 2.81.TC2
-ArcSDE 9.0 for Informix does not support Extensible Markup Language (XML). As a consequence, it will not support ArcIMS Metadata Server 9.0.

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.
Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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ArcSDE 9.0 with PC-Intel Windows 2000 Server, Advanced Server & Datacenter on Microsoft SQL Server 2000 SP4

Quick Links

- Database Notes
- Compatibility Notes
- Best Configuration
  - Product: ArcSDE 9.0
  - Platform: PC-Intel

Service Pack(s)/Patch(es): SP4
**Shipping/Release Date:** May 10, 2004

**DBMS:** Microsoft SQL Server

**DBMS Version:** 2000 SP4

**DBMS Certification Date:** May 10, 2004

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**Database Notes**

Versions Supported - Desktop Engine, Standard, Enterprise

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**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

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**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.
**ArcSDE 9.0 with PC-Intel Windows 2000 Server, Advanced Server & Datacenter on Microsoft SQL Server 7**

**Quick Links**

- Database Notes
- Compatibility Notes
- Best Configuration

**Product:** ArcSDE 9.0

**Platform:** PC-Intel

**Operating System:** Windows 2000 Server, Advanced Server & Datacenter

**Service Pack(s)/Patch(es):** SP4

**Shipping/Release Date:** May 10, 2004

**DBMS:** Microsoft SQL Server

**DBMS Version:** 7

**DBMS Certification Date:** May 10, 2004

**Database Notes**

ESRI does not support the ArcSDE XML type for SQL Server 7. As a consequence, it will not support ArcIMS Metadata Server 9.0. Any SQL Server 7 user who wishes to use ArcIMS Metadata Server 9.0 will have to upgrade to SQL Server 2000.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that
impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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**ArcSDE 9.0 with PC-Intel Windows 2000 Server, Advanced Server & Datacenter on Oracle 8i (32 bit) 8.1.7**

**Quick Links**

- [Compatibility Notes](#)
- [Best Configuration](#)
  
  **Product:** ArcSDE 9.0
  
  **Platform:** PC-Intel
  
  **Operating System:** Windows 2000 Server, Advanced Server & Datacenter
  
  **Service Pack(s)/Patch(es):** SP4
  
  **Shipping/Release Date:** May 10, 2004
  
  **DBMS:** Oracle 8i (32 bit)
Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

ArcSDE 9.0 with PC-Intel Windows 2000 Server, Advanced Server & Datacenter on Oracle 9i (32 bit) 9.2.0.3.0

Quick Links

- Database Notes
- Compatibility Notes
- Best Configuration
  - Product: ArcSDE 9.0
**Platform:** PC-Intel

**Operating System:** Windows 2000 Server, Advanced Server & Datacenter

**Service Pack(s)/Patch(es):** SP4

**Shipping/Release Date:** May 10, 2004

**DBMS:** Oracle 9i (32 bit)

**DBMS Version:** 9.2.0.3.0

**DBMS Certification Date:** May 10, 2004

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**Database Notes**

Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support

Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

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**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

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**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect
configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with PC-Intel Windows 2003 Server Standard, Enterprise & Datacenter on IBM DB2 Universal Database 8.1 (UDB 32-bit) FixPak 4a**

**Quick Links**

- Database Notes
- Compatibility Notes
- Best Configuration
- Related Materials

**Product:** ArcSDE 9.0

**Platform:** PC-Intel

**Operating System:** Windows 2003 Server Standard, Enterprise & Datacenter

**Shipping/Release Date:** May 10, 2004

**DBMS:** IBM DB2 Universal Database 8.1 (UDB 32-bit)

**DBMS Version:** FixPak 4a

**DBMS Certification Date:** May 10, 2004

**Database Notes**

- **Requirements:**
  - IBM Spatial Extender Version 8.1 FP4a.
Compatibility Notes

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Related Materials

Database:

More ESRI Related Information:
- [ESRI Supported Environment Policy](#)
- [FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?](#)

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
- [Which Distributed Edition of DB2 Version 8 is Right for You?](#)
Comparing the distributed DB2 UDB servers

DB2 System Requirements

ArcSDE 9.0 with PC-Intel Windows 2003 Server Standard, Enterprise & Datacenter on IBM DB2 Universal Database 8.2 (UDB 32-bit) Fixpak 1

Quick Links

Database Notes

Compatibility Notes

Best Configuration

Related Materials

Product: ArcSDE 9.0

Platform: PC-Intel


Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.2 (UDB 32-bit)

DBMS Version: Fixpak 1

DBMS Certification Date: May 10, 2004

Database Notes

Requirements:

-IBM Spatial Extender Version 8.2 FP1 (8.1 FP8). FixPak 8a has a few additional fixes. This is supported and assumed to work but untested at the present time.

-ArcSDE 9.0 Service Pack 3 - This includes fixes from ArcSDE 9.0 SP2 that add support for DB2 8.2 functionality. For a complete list please refer to the Service Pack 3 link.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.
Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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Related Materials

Database:

More ESRI Related Information:
- [ESRI Supported Environment Policy](#)
- [FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?](#)

More DB2 Related Information:
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
  - [Which Distributed Edition of DB2 Version 8 is Right for You?](#)
  - [Comparing the distributed DB2 UDB servers](#)
  - [DB2 System Requirements](#)
ArcSDE 9.0 with PC-Intel Windows 2003 Server Standard, Enterprise & Datacenter on Microsoft SQL Server 2000 SP4

Quick Links

Database Notes

Compatibility Notes

Best Configuration

Product: ArcSDE 9.0

Platform: PC-Intel


Shipping/Release Date: May 10, 2004

DBMS: Microsoft SQL Server

DBMS Version: 2000 SP4

DBMS Certification Date: May 10, 2004

Database Notes

Versions Supported - Desktop Engine, Standard, Enterprise

ArcSDE 9.0 for SQL Server 2000 in addition is supported on Windows Server 2003, Service Pack 1 (SP1).

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending
on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with PC-Intel Windows 2003 Server Standard, Enterprise & Datacenter on Oracle 9i (32 bit) 9.2.0.3.0**

**Quick Links**

- [Database Notes](#)
- [Compatibility Notes](#)
- [Best Configuration](#)
  - **Product:** ArcSDE 9.0
  - **Platform:** PC-Intel
  - **Operating System:** Windows 2003 Server Standard, Enterprise & Datacenter
  - **Shipping/Release Date:** May 10, 2004
  - **DBMS:** Oracle 9i (32 bit)
  - **DBMS Version:** 9.2.0.3.0
  - **DBMS Certification Date:** May 10, 2004
**Database Notes**

Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support

Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

ArcSDE 9.0 for Oracle is supported on Windows Server 2003, Service Pack 1 (SP1).

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with PC-Intel Windows NT Server 4.0 on IBM DB2 Universal Database 8.1 (UDB 32-bit) FixPak 4a**

**Quick Links**

- [Database Notes](#)
- [Compatibility Notes](#)
Related Materials

Product: ArcSDE 9.0

Platform: PC-Intel

Operating System: Windows NT Server 4.0

Service Pack(s)/Patch(es): SP6a

Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.1 (UDB 32-bit)

DBMS Version: FixPak 4a

DBMS Certification Date: May 10, 2004

Database Notes

Requirements:
- IBM Spatial Extender Version 8.1 FP4a.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server
configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Related Materials

Database:

More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
  -Which Distributed Edition of DB2 Version 8 is Right for You?
  -Comparing the distributed DB2 UDB servers
  -DB2 System Requirements

ArcSDE 9.0 with PC-Intel Windows NT Server 4.0 on INFORMIX Dynamic Server 9.40.TC3

Quick Links

- Database Notes
- Compatibility Notes
- Best Configuration
  Product: ArcSDE 9.0
**Platform:** PC-Intel

**Operating System:** Windows NT Server 4.0

**Service Pack(s)/Patch(es):** SP6a

**Shipping/Release Date:** May 10, 2004

**DBMS:** INFORMIX Dynamic Server

**DBMS Version:** 9.40.TC3

**DBMS Certification Date:** May 10, 2004

**Database Notes**


Requires:

- Informix Spatial Datablade 8.20.TC1
- Informix ClientSDK 2.81.TC2

ArcSDE 9.0 for Informix does not support Extensible Markup Language (XML). As a consequence, it will not support ArcIMS Metadata Server 9.0.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server
configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with PC-Intel Windows NT Server 4.0 on Microsoft SQL Server 2000 SP4**

**Quick Links**

- **Compatibility Notes**
- **Best Configuration**
  - **Product:** ArcSDE 9.0
  - **Platform:** PC-Intel
  - **Operating System:** Windows NT Server 4.0
  - **Service Pack(s)/Patch(es):** SP6a
  - **Shipping/Release Date:** May 10, 2004
  - **DBMS:** Microsoft SQL Server
  - **DBMS Version:** 2000 SP4
  - **DBMS Certification Date:** May 10, 2004

**Compatibility Notes**
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with PC-Intel Windows NT Server 4.0 on Microsoft SQL Server 7**

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Database Notes
ESRI does not support the ArcSDE XML type for SQL Server 7. As a consequence, it will not support ArcIMS Metadata Server 9.0. Any SQL Server 7 user who wishes to use ArcIMS Metadata Server 9.0 will have to upgrade to SQL Server 2000.

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

ArcSDE 9.0 with PC-Intel Windows NT Server 4.0 on Oracle 8i (32 bit) 8.1.7
**Compatibility Notes**

**Best Configuration**

*Product:* ArcSDE 9.0

*Platform:* PC-Intel

*Operating System:* Windows NT Server 4.0

*Service Pack(s)/Patch(es):* SP6a

*Shipping/Release Date:* May 10, 2004

*DBMS:* Oracle 8i (32 bit)

*DBMS Version:* 8.1.7

*DBMS Certification Date:* May 10, 2004

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.
For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with PC-Intel Windows NT Server 4.0 on Oracle 9i (32 bit) 9.2.0.3.0**

**Quick Links**

- Database Notes
- Compatibility Notes
- Best Configuration
  - Product: ArcSDE 9.0
  - Platform: PC-Intel
  - Operating System: Windows NT Server 4.0
- Service Pack(s)/Patch(es): SP6a
- Shipping/Release Date: May 10, 2004
- **DBMS**: Oracle 9i (32 bit)
- **DBMS Version**: 9.2.0.3.0
- **DBMS Certification Date**: May 10, 2004

**Database Notes**

Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation’s Patch Set Overview documentation.
**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with Sun Solaris 8 (SPARC) on IBM DB2 Universal Database 8.1 (UDB 64-bit) FixPak 4a**

**Quick Links**

- [Database Notes](#)
- [Compatibility Notes](#)
- [Best Configuration](#)
- [Related Materials](#)

**Product:** ArcSDE 9.0

**Platform:** Sun

**Operating System:** Solaris 8 (SPARC)
**Shipping/Release Date:** May 10, 2004

**DBMS:** IBM DB2 Universal Database 8.1 (UDB 64-bit)

**DBMS Version:** FixPak 4a

**DBMS Certification Date:** May 10, 2004

### Database Notes

**Requirements:**
- IBM Spatial Extender Version 8.1 FP4a.

### Compatibility Notes

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

### Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

### Related Materials
More ESRI Related Information:
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
-Which Distributed Edition of DB2 Version 8 is Right for You?
-Comparing the distributed DB2 UDB servers
-DB2 System Requirements

**ArcSDE 9.0 with Sun Solaris 8 (SPARC) on IBM DB2 Universal Database 8.1 (UDB 64-bit) Fixpak 6a**

**Quick Links**

- Database Notes
- Compatibility Notes
- Best Configuration
- Related Materials

**Product:** ArcSDE 9.0

**Platform:** Sun

**Operating System:** Solaris 8 (SPARC)

**Shipping/Release Date:** May 10, 2004

**DBMS:** IBM DB2 Universal Database 8.1 (UDB 64-bit)

**DBMS Version:** Fixpak 6a
Database Notes

Requirements:
- IBM Spatial Extender Version 8.1 FP6a.
- [ArcSDE 9.0 Service Pack 3](#) - This includes fixes from ArcSDE 9.0 SP2 that add support for DB2 8.1 fixpak 6 (and greater) functionality. For a complete list please refer to the Service Pack 3 link.

Compatibility Notes
The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

Related Materials
Database:

More ESRI Related Information:
- [ESRI Supported Environment Policy](#)
FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

More DB2 Related Information:
-ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.

-Which Distributed Edition of DB2 Version 8 is Right for You?
-Comparing the distributed DB2 UDB servers
-DB2 System Requirements

ArcSDE 9.0 with Sun Solaris 8 (SPARC) on INFORMIX Dynamic Server 9.40.UC3

Quick Links

- Database Notes
- Compatibility Notes
- Best Configuration

Product: ArcSDE 9.0

Platform: Sun

Operating System: Solaris 8 (SPARC)

Shipping/Release Date: May 10, 2004

DBMS: INFORMIX Dynamic Server

DBMS Version: 9.40.UC3

DBMS Certification Date: May 10, 2004

Database Notes

Requires:
- Informix Spatial Datablade 8.20.UC1
- Informix ClientSDK 2.81.UC2

ArcSDE 9.0 for Informix does not support Extensible Markup Language (XML). As a consequence, it will not support ArcIMS Metadata Server 9.0.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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**ArcSDE 9.0 with Sun Solaris 8 (SPARC) on Oracle 8i (32 bit) 8.1.7.0.0**

**Quick Links**

- [Compatibility Notes](#)
- [Best Configuration](#)
  
  **Product:** ArcSDE 9.0
**Platform:** Sun

**Operating System:** Solaris 8 (SPARC)

**Shipping/Release Date:** May 10, 2004

**DBMS:** Oracle 8i (32 bit)

**DBMS Version:** 8.1.7.0.0

**DBMS Certification Date:** May 10, 2004

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**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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ArcSDE 9.0 with Sun Solaris 8 (SPARC) on Oracle 9i (32 bit) 9.2.0.3.0

Quick Links

Database Notes
Compatibility Notes
Best Configuration

Product: ArcSDE 9.0

Platform: Sun

Operating System: Solaris 8 (SPARC)

Shipping/Release Date: May 10, 2004

DBMS: Oracle 9i (32 bit)

DBMS Version: 9.2.0.3.0

DBMS Certification Date: May 10, 2004

Database Notes
Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.
An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with Sun Solaris 8 (SPARC) on Oracle 9i (64 bit) 9.2.0.3.0**

**Quick Links**

- Database Notes
- Compatibility Notes
- Best Configuration

**Product:** ArcSDE 9.0

**Platform:** Sun

**Operating System:** Solaris 8 (SPARC)

**Shipping/Release Date:** May 10, 2004

**DBMS:** Oracle 9i (64 bit)

**DBMS Version:** 9.2.0.3.0

**DBMS Certification Date:** May 10, 2004
**Database Notes**

Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support

Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

**Compatibility Notes**

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

**Best Performance Configuration**

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**ArcSDE 9.0 with Sun Solaris 9 (SPARC) on IBM DB2 Universal Database 8.1 (UDB 64-bit) FixPak 5**

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**Quick Links**

- Hardware Requirements
- Database Notes
- Compatibility Notes
- Best Configuration
Related Materials

Product: ArcSDE 9.0

Platform: Sun

Operating System: Solaris 9 (SPARC)

Shipping/Release Date: May 10, 2004

DBMS: IBM DB2 Universal Database 8.1 (UDB 64-bit)

DBMS Version: FixPak 5

DBMS Certification Date: May 10, 2004

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Database Notes

Requirements:

- IBM Spatial Extender Version 8.1 FP5.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may
range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the [System Design Strategies](#) Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**Related Materials**

**Database:**

**More ESRI Related Information:**
- [ESRI Supported Environment Policy](#)
- [FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?](#)

**More DB2 Related Information:**
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
  - [Which Distributed Edition of DB2 Version 8 is Right for You?](#)
  - [Comparing the distributed DB2 UDB servers](#)
  - [DB2 System Requirements](#)

**ArcSDE 9.0 with Sun Solaris 9 (SPARC) on IBM DB2 Universal Database 8.2 (UDB 64-bit) Fixpak 1**

**Quick Links**

- [Hardware Requirements](#)
- [Database Notes](#)
- [Compatibility Notes](#)
- [Best Configuration](#)
**Related Materials**

**Product:** ArcSDE 9.0  

**Platform:** Sun  

**Operating System:** Solaris 9 (SPARC)  

**Shipping/Release Date:** May 10, 2004  

**DBMS:** IBM DB2 Universal Database 8.2 (UDB 64-bit)  

**DBMS Version:** Fixpak 1  

**DBMS Certification Date:** May 10, 2004  

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**Hardware Requirements**  

**CPU Speed:**  
1.0 GHz recommended or higher  

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**Database Notes**  

**Requirements:**  
- IBM Spatial Extender Version 8.2 FP1 (8.1 FP8). FixPak 8a has a few additional fixes. This is supported and assumed to work but untested at the present time.  
- [ArcSDE 9.0 Service Pack 3](#) - This includes fixes from ArcSDE 9.0 SP2 that add support for DB2 8.2 functionality. For a complete list please refer to the Service Pack 3 link.  

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**Compatibility Notes**  

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.  

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**Best Performance Configuration**  

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.
An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

For more information or assistance with configuring your hardware for ESRI products, review the System Design Strategies Whitepaper available on ESRI’s website, contact the ESRI Systems Integration Group or your local distributor.

**Related Materials**

**Database:**

**More ESRI Related Information:**
- ESRI Supported Environment Policy
- FAQ: What is the support and planned support for ArcSDE for IBM DB2 with DB2 UDB 8.1 FP6a FP7a, FP8 and DB2 UDB 8.2?

**More DB2 Related Information:**
- ArcSDE is tested and certified on DB2 UDB Enterprise Server Edition. Other versions of DB2 UDB such as WSE, WSUE, and PE share a common code base and are supported as long as they meet the ArcSDE requirements listed above. For more information on the distributed editions of DB2, refer to the articles listed below.
- Which Distributed Edition of DB2 Version 8 is Right for You?
- Comparing the distributed DB2 UDB servers
- DB2 System Requirements

**ArcSDE 9.0 with Sun Solaris 9 (SPARC) on INFORMIX Dynamic Server IDS 9.4 UC3**

**Quick Links**

Hardware Requirements
Database Notes

Compatibility Notes

Best Configuration

*Product:* ArcSDE 9.0

*Platform:* Sun

*Operating System:* Solaris 9 (SPARC)

*Shipping/Release Date:* May 10, 2004

*DBMS:* INFORMIX Dynamic Server

*DBMS Version:* IDS 9.4 UC3

*DBMS Certification Date:* May 10, 2004

Hardware Requirements

*CPU Speed:* 1.0 GHz recommended or higher

Database Notes

- Requires Spatial Datablade 8.20 UC1
- Requires ClientSDK 2.81 UC2.
- ArcSDE 9.0 for Informix does not support Extensible Markup Language (XML). As a consequence, it will not support ArcIMS Metadata Server 9.0.

Compatibility Notes

The [Compatibility Matrix](#) shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.
An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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**ArcSDE 9.0 with Sun Solaris 9 (SPARC) on Oracle 8i (32 bit) 8.1.7.0.0**

### Quick Links

- Hardware Requirements
- Compatibility Notes
- Best Configuration
  - **Product:** ArcSDE 9.0
  - **Platform:** Sun
  - **Operating System:** Solaris 9 (SPARC)
  - **Shipping/Release Date:** May 10, 2004
  - **DBMS:** Oracle 8i (32 bit)
  - **DBMS Version:** 8.1.7.0.0
  - **DBMS Certification Date:** May 10, 2004
Hardware Requirements

CPU Speed:
1.0 GHz recommended or higher

Compatibility Notes
The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration
ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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ArcSDE 9.0 with Sun Solaris 9 (SPARC) on Oracle 9i (32 bit) 9.2.0.3.0

Quick Links

Hardware Requirements
Database Notes
Compatibility Notes
Best Configuration

Product: ArcSDE 9.0
Platform: Sun

Operating System: Solaris 9 (SPARC)

Shipping/Release Date: May 10, 2004

DBMS: Oracle 9i (32 bit)

DBMS Version: 9.2.0.3.0

DBMS Certification Date: May 10, 2004

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher

Database Notes

Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support

Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors.
including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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ArcSDE 9.0 with Sun Solaris 9 (SPARC) on Oracle 9i (64 bit) 9.2.0.3.0

Hardware Requirements
Database Notes
Compatibility Notes
Best Configuration

Product: ArcSDE 9.0

Platform: Sun

Operating System: Solaris 9 (SPARC)

Shipping/Release Date: May 10, 2004

DBMS: Oracle 9i (64 bit)

DBMS Version: 9.2.0.3.0

DBMS Certification Date: May 10, 2004

Hardware Requirements

CPU Speed:

1.0 GHz recommended or higher
Database Notes

Please see KB article #25896 for additional required Oracle Spatial patch information.

Oracle Patch Support
Oracle 9.2.0.3 or higher 9.2 patch set level as per Oracle Corporation's Patch Set Overview documentation.

Compatibility Notes

The Compatibility Matrix shows the versions of ESRI products that work with ArcSDE.

Best Performance Configuration

ArcSDE is dependant on the underlying database. Minimum hardware recommendations should always be sought from the database vendor in the first instance. There are many factors that impact minimum system requirements for server focused products.

An ArcSDE software installation requires approximately 40-160MB of hard disk space depending on platform and database being utilized. Memory requirements for the ArcSDE server may range from 1MB to 40MB but will vary. In addition memory requirements per ArcSDE connection may range from 100kb to 40MB per ArcSDE connection but will vary depending on several factors including your configuration choice and database usage. If using ArcSDE in the application server configuration, your server memory requirements will be larger. If using the direct connect configuration, your ArcSDE server memory requirements will be less, but your client machine memory requirements will be larger. Users conducting a lot of edits or selections will often consume more memory than those users simply displaying data from the database.

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