Content Services 5.5.0
Windows SQL Platform Requirements

This document describes the hardware and software requirements for various configurations of Content Services 5.5.0. The information in this document takes precedence over any other hardware and software requirements in the Content Services 5.5.0 documentation in the *FileNet Content Services 5.5.0* CD-ROM or posted at FileNet Worldwide Customer Support.

Revision Log

Date	Revision
02/15/2007	Initial release

Content Services Platforms

You can install Content Services 5.5.0 on any of four *platforms*: Windows SQL, HP-UX Oracle, Solaris Oracle, and Windows Oracle. The platform is determined by

- the operating system (Windows, HP-UX, or Solaris) running on the initial storage server and any additional storage servers

- the type of database engine (SQL Server or Oracle)

For example, a Windows SQL platform means that Windows runs on the initial storage server and any additional storage servers, and the database engine is SQL Server. The Windows SQL platform is homogeneous in the sense that Windows runs on the database engine and on the initial/additional storage servers.

The Oracle platforms may be homogeneous or heterogeneous in the sense that the database server and the initial/additional storage servers may or may not run the same type of operating system. For example, on a Windows Oracle platform, Windows runs on the initial and additional storage servers, while the Oracle database engine may run on a Windows, HP-UX, or Sun Solaris server.

The following sections contain the hardware/software requirements for each possible type of Content Services (CS) configuration and for the CS Client Library Files:

- "Standalone Database Server" on page 3: a server where the database engine, but no CS components, is installed

- "Storage Server" on page 5: a server where at least one set of initial or additional CS components, but no database engine, is installed

- "Database + Storage Server" on page 6: a server where the database engine and at least one initial or additional set of CS components are installed

- "Rendition Services Server" on page 8: the Rendition Services component of Content Services

- "CS Client Library Files" on page 10: the Client Library files to be installed on a machine where a CS 5.5 client application will be running

In addition, the following sections list the FileNet client applications supported for use with CS 5.5.0, as well as the applications that can be collocated with CS 5.5.0 on the same server:

- "Supported CS Client Applications" on page 11

- "Content Services Co-location" on page 11

Note The Storage and database server should not be separated across a WAN.

Unless otherwise indicated,

- the numerical values specified in the requirements represent minimum acceptable values

- hardware and software requirements apply to servers in a non-cluster environment

Patch Information

For the latest information regarding operating system and database patches and updates, visit the following web sites:

- Microsoft Product Support Services

- HP IT Resource Center

- Sun BigAdmin System Administration Portal

- OracleMetaLink

For the latest information regarding patches required to access Content Services library systems from FileNet client applications, such as IDM Desktop and Web Services, refer to the client application documentation at FileNet Worldwide Customer Support.

Standalone Database Server

Microsoft SQL Server 2000 Hardware Requirements

Component	Requirements
Processor	Intel or compatible Pentium 1000 MHz
RAM	1024 MB
Disk space	4 GB
CD-ROM drive	Required
Network interfaces (cluster)	At least two network interfaces per cluster node: one for the public network, and one for the private network that forms a link between the cluster nodes. To avoid single-point cluster communication failures, have at least two private networks interconnecting the cluster nodes.
Fault tolerance (cluster)	RAID-5 level for the shared drives in a cluster
Bus type (cluster)	SCSI

Microsoft SQL Server 2000 Software Requirements

Component	Requirements
Operating system	Windows Server 2003 Standard Edition, Enterprise Edition or Datacenter Edition. Enterprise Edition is required if the server is in a cluster. Windows 2000 Server, Advanced Server or Datacenter + Service Pack 4. Advanced Server is required if the server is in a cluster.
Web browser	Microsoft Internet Explorer 5 or higher
Network protocols	TCP/IP. Static IP addresses are recommended. Using DHCP runs the risk of an expired DHCP lease or a disconnection from the DHCP server, causing Storage Manager failure and dramatically increased CPU usage.
Database	Microsoft SQL Server Edition 2000 Enterprise Edition or Standard Edition (English, French, or German) with Service Pack 4

Microsoft SQL Server 2005 Hardware Requirements

Component	Requirements
Processor	Pentium III-compatible processor or higher 1GHz
RAM	1024 MB

Component	Requirements
Disk space	4 GB
CD-ROM drive	Required
Network interfaces (cluster)	At least two network interfaces per cluster node: one for the public network, and one for the private network that forms a link between the cluster nodes. To avoid single-point cluster communication failures, have at least two private networks interconnecting the cluster nodes.
Fault tolerance (cluster)	RAID-5 level for the shared drives in a cluster
Bus type (cluster)	SCSI

Microsoft SQL Server 2005 Software Requirements

Component	Requirements
Operating system	Windows Server 2003 Standard Edition, Enterprise Edition or Datacenter Edition + Service Pack 1. Enterprise Edition is required if the server is in a cluster. Windows 2000 Server, Advanced Server or Datacenter + Service Pack 4. Advanced Server is required if the server is in a cluster.
Web browser	Microsoft Internet Explorer 6.0 SP1 or later.
Network protocols	TCP/IP. Static IP addresses are recommended. Using DHCP runs the risk of an expired DHCP lease or a disconnection from the DHCP server, causing Storage Manager failure and dramatically increased CPU usage.
Database	Microsoft SQL Server 2005 Enterprise Edition or Standard Edition (English, French, or German) with Service Pack 1.
Installation	Windows Installer 3.1 or later, Microsoft Data Access Components (MDAC) 2.8 SP1 or later.

Storage Server

Windows Hardware Requirements

Component	Requirements
Processor	Intel or compatible Pentium 1000 MHz
RAM	1024 MB
CS disk space	Each initial set of CS components: 2.5 GB Each additional set of CS components: 2.5 GB CS shared library files: 20 MB The TMP and TEMP system environment variables must each point to a partition containing at least 270 MB.
CD-ROM drive	Required
Network interfaces (cluster)	At least two network interfaces per cluster node: one for the public network, and one for the private network that forms a link between the cluster nodes. To avoid single-point cluster communication failures, have at least two private networks interconnecting the cluster nodes.
Fault tolerance (cluster)	RAID-5 level for the shared drives in a cluster
Bus type (cluster)	SCSI

Windows Software Requirements

Component	Requirements
Operating system	Windows Server 2003 Standard Edition, Enterprise Edition or Datacenter Edition. Enterprise Edition is required if the server is in a cluster. Windows 2000 Server, Advanced Server or Datacenter with Service Pack 4. Advanced Server is required if the server is in a cluster.
Web browser	Microsoft Internet Explorer 5 or higher
Network protocols	TCP/IP. Static IP addresses are recommended. Using DHCP runs the risk of an expired DHCP lease or a disconnection from the DHCP server, causing Storage Manager failure and dramatically increased CPU usage.
Database connectivity	Microsoft MDAC 2.8 (installed by CS Setup)

Database + Storage Server

Windows Hardware Requirements

Component	Requirements
Processor	Intel or compatible Pentium 1000 MHz
RAM	1024 MB
Database disk space	4 GB
CS disk space	Each initial set of CS components: 2.5 GB Each additional set of CS components: 2.5 GB CS shared library files: 20 MB The TMP and TEMP system environment variables must each point to a partition containing at least 270 MB.
CD-ROM drive	Required
Network interfaces (cluster)	At least two network interfaces per cluster node: one for the public network, and one for the private network that forms a link between the cluster nodes. To avoid single-point cluster communication failures, have at least two private networks interconnecting the cluster nodes.
Fault tolerance (cluster)	RAID-5 level for the shared drives in a cluster
Bus type (cluster)	SCSI

Windows Software Requirements

Component	Requirements
Operating system	Windows Server 2003 Standard Edition, Enterprise Edition or Datacenter Edition + Service Pack 1 (for SQL Server 2005). Enterprise Edition is required if the server is in a cluster. Windows 2000 Server, Advanced Server or Datacenter + Service Pack 4. Advanced Server is required if the server is in a cluster.
Web browser	Microsoft Internet Explorer 5 or higher. Microsoft Internet Explorer 6.0 SP1 or later (for SQL Server 2005).
Network protocols	TCP/IP. Static IP addresses are recommended. Using DHCP runs the risk of an expired DHCP lease or a disconnection from the DHCP server, causing Storage Manager failure and dramatically increased CPU usage.

Component	Requirements
Database	Microsoft SQL Server Edition 2000 Enterprise Edition or Standard Edition (English, French, or German) + Service Pack 4. Microsoft SQL Server 2005 Enterprise Edition or Standard Edition (English, French, or German) with Service Pack 1.
Database connectivity	Microsoft Data Access Components (MDAC) 2.8 or later.

Rendition Services Server

Hardware Requirements

Component	Requirements
Processor	Pentium or compatible processor 1000 MHz
RAM	512 MB (1 GB for enhanced performance)
Disk space	4 GB or higher
CD-ROM drive	Required

Software Requirements

Component	Requirements
Operating system	Windows 2000 Server or Advanced Server + Service Pack 4.
Web software	Microsoft Internet Explorer 6.0 and IIS 5.0
Network protocols	TCP/IP. Static IP addresses are recommended. Using DHCP runs the risk of an expired DHCP lease or a disconnection from the DHCP server.
Publishing software	Adobe Acrobat Distiller Server 5.0.5 (available on *Renditions Services* CD-ROM)
Renditions software	CS Rendition Services (available on *Renditions Services* CD-ROM)
Database	Access to a SQL Server 2000 + Service Pack 3 database or an Oracle8i 8.1.7 database, either collocated or remote from Rendition Services.
Database connectivity (for an oracle database)	Oracle8i 8.1.7 Client Oracle ODBC Driver for Oracle8i 8.1.7 (do *not* use Microsoft ODBC Driver for Oracle)
Content Services client program	IDM Desktop 4.0 (or higher).
Content Services connectivity	Content Services 5.5.0 or Content Services 5.5.0 Client Library Files (available on *Content Services* CD-ROM). Install *after* installing IDM Desktop 4.0 (or higher).
Source programs	Install the application programs (shown in the following table) that generate the documents you want to render.

Supported Source Programs

Application	Version
Adobe FrameMaker	6.5
Adobe Illustrator	9.0
Adobe PageMaker	6.5
ASCII	N/A
AutoCAD	2000
Corel Draw	9.0
Corel Presentation	9.0, 10.0
Corel Quattro Pro	9.0, 10.0
Corel WordPerfect	9.0, 10.0
ISIS/Draw	2.4
Macromedia FreeHand	9.0
MicroStation	7.1J
MS Excel	2000 (SR1a) + Service Pack 3
MS Internet Explorer	N/A
MS PowerPoint	2000 (SR1a) + Service Pack 3
MS Project	2000 (SR1a) + Service Pack 3
MS Visio	2000 (SR1a) + Service Pack 3
MS Word	2000 (SR1a) + Service Pack 3
PDF	N/A
QuarkXPress	4.1
TIFF	N/A

CS Client Library Files

Component	Requirements
Operating system	Microsoft Windows 98 (not supported for CS Explorer) Windows 2000 Professional + Service Pack 4 Windows 2000 Server + Service Pack 4 Windows 2000 Advanced Server + Service Pack 4 Windows XP Professional + Service Pack 1 Windows 2003 + Service Pack 1
Web browser	Microsoft Internet Explorer 5 or higher
Network protocols	Microsoft TCP/IP.
Database connectivity	Microsoft MDAC 2.8 (installed by CS Setup)

Supported CS Client Applications

Product	Version(s)
IDM Desktop	4.0
IDM Web Services	4.0
CS Admin Tools	5.5.0
CS Web Admin Tools	5.5.0
Capture	4.0 and 4.1
eProcess	5.1

Note CS 5.5.0 Admin Tools can be installed only on a machine running Windows 2000, Windows 2003, or Windows XP.

Content Services Co-location

FileNet supports the co-location of Content Services 5.5.0 with the following FileNet products on the same server:

- CS Admin Tools 5.5.0

- CS Web Admin 5.5.0

- IDM Desktop 4.0

The following constraints apply to the products listed above:

- CS Admin Tools and CS Web Admin cannot be on the same machine.

- IDM Desktop and Web Services cannot be on the same machine.

Note Co-location of IDM Web Services with CS is not tested. Co-locating Web Services with any other FileNet server-based product, such as CS, is not recommended.