



ATTIX⁵
BACKUP PROFESSIONAL

HARDWARE AND SOFTWARE REQUIREMENTS

V5.1

Table of Contents

Backup Professional Storage Platform (SP)	3
Backup Professional Desktop and Laptop (D&L)	4
BACKUP PROFESSIONAL DESKTOP AND LAPTOP EDITION for Microsoft Windows	4
BACKUP PROFESSIONAL DESKTOP AND LAPTOP EDITION for MAC OS X	4
Backup Professional Server Edition (SE)	5
ATTIX5 BACKUP PROFESSIONAL SERVER EDITION for Microsoft Windows	5
ATTIX5 BACKUP PROFESSIONAL SERVER EDITION for LINUX	6
ATTIX5 BACKUP PROFESSIONAL SERVER EDITION for MAC OS X	6
Backup Professional Plug-ins and Options	7
MS Exchange 2007 / 2003 / 2000	7
MS SQL 2005 / 2000 / 7 Server	7
MS VSS Database plug-in	7
Lotus Domino 7 / 6.5.....	8
Oracle 10g / 9i	8
Single Mailbox Recovery for Exchange.....	8
Sybase ASE 12.5.....	8
System State backup.....	8
Email Notification	8
Script plug-in.....	8
Backup Professional WebAccess	9

ATTIX⁵ **BACKUP PROFESSIONAL**

HARDWARE AND SOFTWARE REQUIREMENTS

NOTE: THESE ARE GUIDELINES FOR HARDWARE AND SOFTWARE REQUIREMENTS. DUE TO THE FACT THAT MANY CONDITIONS MAY AFFECT THE EXACT REQUIREMENTS, THERE MAY BE SOME CASES WHEN THESE GUIDELINES HAVE TO BE EXCEEDED FOR SUCCESSFUL OPERATION.

BACKUP PROFESSIONAL STORAGE PLATFORM (SP)

Operating System

- Microsoft Windows Server 2003
- Microsoft Windows 2000 Server

Processor & Memory

- Required: Pentium III processor with 256MB memory above operating requirements
- Recommended: Processor and memory requirements increase with the amount of data protected on the Storage Platform:

Amount of data Protected	Recommended Processor	Recommended Memory
100GB	P4 entry level	512MB
500GB	P4 2.0GHz	1GB
1TB	Dual Xeon 3GHz	2GB

Disk Space

- Required: (IDE Drive)
 - 500 MB and storage space for all users plus 30% of protected data free space:
 - 100 Desktop and Laptop accounts, each with a 200MB account = 20GB + 6GB
 - 100 Server Edition accounts, each with a 5GB account = 500GB + 150GB
- Recommended: (RAID 5 and SCSI)
 - 2GB and storage space for all users plus 60% of protected data free space:
 - 100 Desktop and Laptop accounts, each with a 200MB account = 20GB + 12GB
 - 100 Server Edition accounts, each with a 5GB account = 500GB + 300GB

Virtual Memory Recommendations

- Double the amount of RAM, with a minimum of 2GB (Total for all disk volumes)

Minimum Video Settings

- 800 x 600 Resolution, 256 colours

Other Hardware

- Network interface card or a virtual network adapter card
- CD-ROM drive or Internet access to download and install the software.

For the purposes of illustration, a recommended system to handle 100 Server Edition clients with 5 GB accounts, and 300 Desktop and Laptop clients with 200 MB accounts. About 1TB is protected in this example.

- Dual Xeon Processor 3GHz
- 2GB RAM
- 1,5 TB free hard drive space
- Windows 2000 Server
- Fixed IP address or DNS name

Additional hard drive space can be added to support a higher number of users. A faster processor, faster disk and higher-capacity network would support a greater number of simultaneous backup users and/or a larger throughput. Multiple FileServers can be added to the network to further scale the backup and recovery solution.

ATTIX⁵ **BACKUP PROFESSIONAL**

HARDWARE AND SOFTWARE REQUIREMENTS

BACKUP PROFESSIONAL DESKTOP AND LAPTOP (D&L)

BACKUP PROFESSIONAL DESKTOP AND LAPTOP EDITION for Microsoft Windows

Operating System

- Microsoft Windows Vista (with administrative privileges)
- Microsoft Windows XP Professional and Home
- Microsoft Windows 2000 Professional

Processor

- Required: Pentium processor
- Recommended: Pentium III-500Mhz for more than 500 documents

Memory

Memory requirements mainly depend on the amount of files selected for backup.

- Required: 128MB RAM above operating system and application requirements
- Recommended: 256MB RAM above operating system and application requirements

Disk Space

- Required: 50MB plus space for local cache.
- Recommended: Amount of free space equal to the backup account limit. The local cache can be as large as the total size of all files selected for backup; a file selection of 100MB needs up to 100MB extra disk space for the cache.

Minimum Video Settings

- 800 x 600 Resolution, 256 colours

Other Hardware

- Network interface card or a virtual network adapter card
- CD-ROM drive or Internet access to download and install the software

BACKUP PROFESSIONAL DESKTOP AND LAPTOP EDITION for MAC OS X

Operating System

- Mac OS X (from 10.4)

Processor

- Macintosh computer with a PowerPC G3, G4 or G5 processor / Intel Core processor

Memory

Memory requirements mainly depend on the amount of files selected for backup.

- Required: 128MB RAM above operating system and application requirements
- Recommended: 256MB RAM above operating system and application requirements

Disk Space

- Required: 50MB plus space for local cache.
- Recommended: Amount of free space equal to the backup account limit. The local cache can be as large as the total size of all files selected for backup; a file selection of 100MB needs up to 100MB extra disk space for the cache.

Minimum Video Settings

- 800 x 600 Resolution, 256 colours

ATTIX⁵ BACKUP PROFESSIONAL

HARDWARE AND SOFTWARE REQUIREMENTS

Other Hardware

- Network interface card or a virtual network adapter card
- CD-ROM drive or Internet access to download and install the software

BACKUP PROFESSIONAL SERVER EDITION (SE)

ATTIX5 BACKUP PROFESSIONAL SERVER EDITION for Microsoft Windows

Operating System

- Microsoft Windows Server 2008
- Microsoft Windows Server 2003 (Incl. SBS bundle)
- Microsoft Windows 2000 Server (Incl. SBS bundle)

Processor & Memory

- Required: Pentium III processor with 256MB memory above operating requirements
- Recommended: Processor and memory requirements increase with the amount of data protected by Server Edition:

Amount of data Protected	Recommended Processor	Recommended Memory
Less than 100GB	Pentium III 500MHz	512MB
200GB	P4 entry level	512MB
500GB	P4 2.0GHz	1GB
1TB	Dual Xeon 3GHz	2GB

Disk Space

- Required: 50 MB plus space for local cache.
- Recommended: Amount of free space equal to the backup account limit if Binary Patching is enabled. The space requirement for Delta Blocking is considerably less. Please refer to the Patching section in the Server Edition user manual for more information.

File Server: The local cache can be as large as the total size of all files selected for backup. A file selection of 10 GB needs up to 10 GB free space for the cache.

Database: Space is needed for the data dump, which can be as large as the database, as well space for the cache, which is compressed version of the database. Assuming 1:2 compression on a 10GB database you are recommended to have 15GB (10GB for the dump and 5GB for the cache) free space available. Temporary working space is also required for subsequent backups; the requirement will be less than 5GB in the above-mentioned example. See **VSS Database** section below.

Virtual Memory Recommendations

- Double the amount of RAM, with a minimum of 512MB (Total for all disk volumes)

Minimum Video Settings

- 800 x 600 Resolution, 256 colours

Other Hardware

- Network interface card or a virtual network adapter card
- CD-ROM drive or Internet access to download and install the software

ATTIX⁵ BACKUP PROFESSIONAL

HARDWARE AND SOFTWARE REQUIREMENTS

ATTIX5 BACKUP PROFESSIONAL SERVER EDITION for LINUX

Operating System

- Linux Red Hat
- Fedora Project

Processor & Memory

- Required: Pentium III processor with 256MB memory above operating requirements
- Recommended: Processor and memory requirements increase with the amount of data protected by Server Edition:

Amount of data Protected	Recommended Processor	Recommended Memory
Less than 100GB	PentiumIII 500MHz	512MB
200GB	P4 entry level	512MB
500GB	P4 2.0GHz	1GB
1TB	Dual Xeon 3GHz	2GB

Disk Space

- Required: 50 MB plus space for local cache.
- Recommended: Amount of free space equal to the backup account limit if Binary Patching is enabled. The space requirement for Delta Blocking is considerably less. Please refer to the Patching section in the Server Edition user manual for more information.

File Server: The local cache can be as large as the total size of all files selected for backup. A file selection of 10 GB needs up to 10 GB free space for the cache.

Database: Space is needed for the data dump, which can be as large as the database, as well space for the cache, which is compressed version of the database. Assuming 1:2 compression on a 10GB database you are recommended to have 15GB (10GB for the dump and 5GB for the cache) free space available. Temporary working space is also required for subsequent backups; the requirement will be less than 5GB in the above-mentioned example.

Virtual Memory Recommendations

- Double the amount of RAM, with a minimum of 512MB (Total for all disk volumes)

Minimum Video Settings

- 800 x 600 Resolution, 256 colours

Other Hardware

- Network interface card or a virtual network adapter card
- CD-ROM drive or Internet access to download and install the software

ATTIX5 BACKUP PROFESSIONAL SERVER EDITION for MAC OS X

Operating System

- MAC OS X (from 10.4)

Processor & Memory

- Required: PowerPC G3 with 256MB memory above operating requirements
- Recommended: PowerPC G5 / Intel Core Duo with 512 GB memory above operating system requirements.

ATTIX⁵ BACKUP PROFESSIONAL

HARDWARE AND SOFTWARE REQUIREMENTS

Disk Space

- Required: 50 MB plus space for local cache.
- Recommended: Amount of free space equal to the backup account limit if Binary Patching is enabled. The space requirement for Delta Blocking is considerably less. Please refer to the Patching section in the Server Edition user manual for more information.

File Server: The local cache can be as large as the total size of all files selected for backup. A file selection of 10 GB needs up to 10 GB free space for the cache.

Database: Space is needed for the data dump, which can be as large as the database, as well space for the cache, which is compressed version of the database. Assuming 1:2 compression on a 10GB database you are recommended to have 15GB (10GB for the dump and 5GB for the cache) free space available. Temporary working space is also required for subsequent backups; the requirement will be less than 5GB in the above-mentioned example.

Virtual Memory Recommendations

- Double the amount of RAM, with a minimum of 512MB (Total for all disk volumes)

Minimum Video Settings

- 800 x 600 Resolution, 256 colours

Other Hardware

- Network interface card or a virtual network adapter card
- CD-ROM drive or Internet access to download and install the software

BACKUP PROFESSIONAL PLUG-INS AND OPTIONS

The following section lists the available plug-ins and options available for the Backup Professional Product Suite. If any additional requirements (above the above-mentioned requirements) are needed, it will be listed in this section.

MS Exchange 2007 / 2003 / 2000

These plug-ins enable fast and flexible ways to protect vital Exchange 2007, 2003 and 2000 critical data while the applications are online. Using the Exchange APIs to communicate with the Exchange server, the plug-in provides backup and restore of all Exchange Server components, including embedded files.

MS SQL 2005 / 2000 / 7 Server

The plug-in provides SQL Server 2005/2000/7 protection down to the individual table or file group. Execute binary patching backups as well as Transaction Log backups with automatic truncation. Restore options include redirection to another SQL Server using the native SQL restore procedures and the ability to perform “rollback restores”, enabling a database to be recovered to a specific backup job.

MS VSS Database plug-in

Attix5 Backup Professional makes use of the MS Volume Shadow Copy Service (VSS) to backup open files like your Outlook PST file, which is just a fraction of what VSS can do. The MS VSS Database plug-in utilises VSS on a much more advanced level by allowing you to protect any VSS enabled database and application available on your server with one single plug-in and without the need for a database dump.

ATTIX⁵ **BACKUP PROFESSIONAL**

HARDWARE AND SOFTWARE REQUIREMENTS

Lotus Domino 7 / 6.5

Integrate the critical data protection of Lotus Domino messaging and collaboration databases within daily backup activities. Using the native Domino backup API, this option integrates non-disruptive data protection of the database and transaction logs. Flexible restore options include database redirection and point-in-time roll back recovery of databases or transaction logs. Lotus Domino plug-in also gives administrators the flexibility to perform individual mailbox backup with selective restores of individual messages.

Oracle 10g / 9i

The Oracle plug-in, combined with the Backup Client, provides an automated backup solution for your Oracle Database at tablespace level. The plug-in will ensure that your business-critical data is protected in case of corruption or loss. New files are automatically included for backup without having to open the interface and selecting the files. Restore options include full media, tablespace or datafile recovery.

Single Mailbox Recovery for Exchange

This plug-in is used to backup and restore single mailboxes from and to any Exchange server. The Single Mailbox Recovery plug-in makes use of a robust Exchange tool called ExMerge to perform the backup and restore operations. Plug-ins are available for Exchange 2000 and 2003.

Sybase ASE 12.5

Critical data protection of any Sybase ASE 12.5 database, while the application is online, is possible with the Sybase ASE 12.5 Plug-in. Restore options include recovering from a specific backup date and redirecting to another Sybase database.

System State backup

The System State plug-in (available for Windows 2000 and Server 2003) has been designed to automatically backup a collection of system-specific components that must be backed up as a unit. These components include (depending on the Operating System) the Boot files, the registry, the COM+ Class Registration database, Active Directory and the SYSVOL directory.

A new plug-in is currently in development for Windows Server 2008, as NTBackup was removed by Microsoft. For the interim, the VSS Database plug-in can be used on 2008 platforms.

Email Notification

The Email Notification plug-in enables you to receive email notification on backup activity. You can configure the plug-in to notify you on a specified email address when a backup has been successful, when it failed or both. The level of information can also be specified.

Script plug-in

The Script plug-in enables you to execute scripts and batch files during the backup process. This allows you to prepare an application for backup and to create a data dump of a database. You can also stop and start applications or services before, during or after any backup.

ATTIX⁵ **BACKUP PROFESSIONAL**

HARDWARE AND SOFTWARE REQUIREMENTS

BACKUP PROFESSIONAL WEBACCESS

WebAccess is a set of JSP pages that can be served by any web server capable of serving JSP's. The web server that is installed by default is Tomcat, which is a stable, robust server that can run on Linux or Windows.

Sensitive user information is transmitted, so it is recommended that an SSL certificate be used for secure communications to the WebAccess server. These web servers can be accessed from any web enabled device supporting IE5 and Netscape 6.

Software Requirements

- Any Operating System supporting your preferred JSP server
- SP Web Server (Attix5 supports Tomcat 5.5 Web servers)

Processor

- Required: Pentium
- Recommended: Pentium III

Disk Space

- Required: 15 MB

Memory

Memory depends on the amount of files to be backed up.

- Required: 56 MB RAM required above operating system and application requirements
- Recommended: 128 MB RAM (or more for better performance) above operating system and application requirements.

Other Hardware

- Network interface card or a virtual network adapter card