7. Limited cost, unlimited protection

Once Ahsay™ is deployed in your company, your invaluable data are protected against virus, theft, environmental impact, hardware failure, and accidental deletion, etc. While the cost of investing in Ahsay™ is limited, the value of critical business data it protects and the potential benefits you can derive from these data are enormous and unlimited. Ahsay™ is a proven solution with more than 500,000 installations worldwide. It is a highly useful product on which you can rely to safeguard your business interests and put your mind at ease at the maximum comfort level.

8. Easy to use and manage

After the initial setup of Ahsay™'s client-side backup application, backup jobs will be run automatically every day without requiring human effort. Restore operation can be done in just a few clicks when needed. With Ahsay™'s integrated web administration console, system administrators can easily manage the accounts of all backup users. Ahsay™ always keeps users and system administrators updated by sending out comprehensive backup reports via email on a daily basis.

9. Suitable for users with different needs

Ahsay™'s two different client applications, Ahsay™ Online Backup Manager (AhsayOBM) and Ahsay™ A-Click Backup (AhsayACB), come with different features and functionalities to satisfy the backup needs of different users.

	AhsayOBM	AhsayACB
No. of backup set	Unlimited	1
Backup Schedule		
- Continuous data protection	✓	✓
- Daily	✓	✓
- Weekly	✓	✓
- Monthly	✓	✗
- Yearly	✓	✗
- Multiple schedules	✓	✗
Encryption		
- 128-bit / 256-bit	✓	✓
- Configurable by end-user	✓	✗
- TwoFish	✓	✗
- Triple DES	✓	✗
- AES	✓	✗
Available Module		
- Microsoft Exchange Server	✓	✗
- Brick Level Mail Backup	✓	✗
- Microsoft SQL Server	✓	✗
- Lotus Domino/Notes	✓	✗
- Oracle	✓	✗
- MySQL	✓	✗
- In-File Delta (Simple)	✓	✓
- In-File Delta (Advanced)	✓	✗
- Mircosoft Volume Shadow Copy	✓	✗
Retention Policy		
- Simple	✓	✓
- Advanced	✓	✗
Others		
- Initiate backup from AhsayOBS	✓	✓
- Pre/post-backup command	✓	✗
- Simple backup filter	✓	✓
- Advanced backup filter	✓	✗
- Logout reminder	✓	✓
- Offline backup reminder	✓	✓
- Local copy	✓	✗
- Web restoration	✓	
- Supported languages	26	26
Applicable Hardware	Server/NAS/PC/Mac	Server/PC/Mac

Our professional services give you peace of mind

Express startup service

Ahsay™'s express startup service aims to assist you in installing, configuring, and customizing the Ahsay™ Backup Software. Once the hardware and the underlying operating system are in place, our professionals will perform all the software installation and configuration remotely on your behalf. This saves you both time and effort in studying the user guides and documentations to get everything running.

Around the clock customer service

Upon our professional customer service team's receipt of your enquiry, we will work closely with you to resolve any technical problem that you might have run into. We guarantee that you will:

- Hear back from us within 24 hours;
- Obtain to-the-point and satisfactory answers; and
- Receive professional service until the problem is resolved.

Try our software immediately

Our free trial software is available at **www.ahsay.com/try**

Get your critical business data protected now!

Our software protects your business, not just data. Contact our sales representatives immediately to get your critical business data protected as soon as possible.

System Requirements

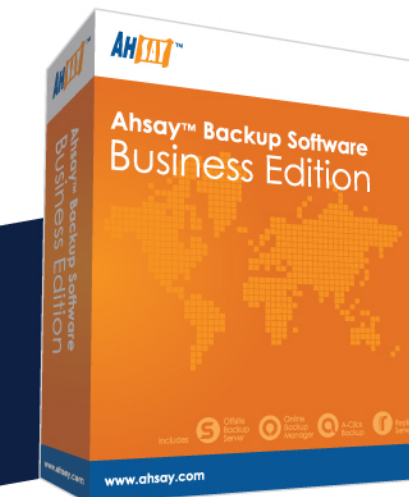|	Supported Platforms			Hardware
AhsayOBS	- Windows 2000 / XP / 2003 (server recommended) - Linux kernel 2.4 or above	- Solaris 2.x or above - AIX - HP-UX - FreeBSD	- Mac OS X 10.2 or above - All other operating systems that supports Java2 Runtime Environment 1.4.1 or above	- Memory: 512MB (minimum), 1GB (recommended) - Disk Space: 300MB
AhsayOBM	- Windows 95 / 98 / ME / NT / 2000 / XP / 2003 / Vista - Linux kernel 2.4 or above - NetWare 5.1 or above	- Solaris 2.x or above - AIX - HP-UX - FreeBSD	- Mac OS X 10.2 or above - All other operating systems that supports Java2 Runtime Environment 1.3.1 or above	- Memory: 128MB (minimum), 256MB (recommended) - Disk Space: 110MB
AhsayACB	- Windows 95 / 98 / ME / NT / 2000 / XP / 2003 / Vista - Mac OS X 10.2 or above			- Memory: 128MB (minimum), 256MB (recommended) - Disk Space: 110MB
AhsayRPS	- Windows 2000 / XP / 2003 (server recommended) - Linux kernel 2.4 or above	- Solaris 2.x or above - AIX - HP-UX - FreeBSD	- Mac OS X 10.2 or above - All other operating systems that supports Java2 Runtime Environment 1.4.1 or above	- Memory: 128MB (minimum), 512MB (recommended) - Disk Space: 100MB

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Microsoft GOLD CERTIFIED
Partner

AHSAY™

Ahsay™ Backup Software
Business Edition

The Ultimate Backup Solution For Your Company

Data loss is a nightmare

Your data are growing exponentially

If you find yourself now in a situation where you have to deal with an explosion in the volume of your business data, you are not alone. The accelerating pace of data creation, accumulation, and diffusion is becoming an increasingly common phenomenon among companies throughout the world today. Data are growing exponentially due to widespread use of the Internet, email, and media-rich software. As early as 2002, International Data Corporation (IDC) projected a dizzying annual data growth rate of 80%.

1MB of data is worth US$10,000

Viewed from a strategic perspective, your data represent the core of your business. You have invested a lot of TIME, MONEY and EFFORT in developing your business data. Contracts, sales records, proposals, accounting records, marketing material, business contacts, emails, and even digital photos taken in important events, etc., make up the bulk of your invaluable business assets, which you cannot afford to lose. Studies have shown that:

- 1MB of data is worth approximately US$10,000. [1]
- Re-building just 20MB of lost data could cost more than US$17,000 and take nearly three weeks to complete. [2]
- A leaked record may cost you US$180 to rectify. [3]
- Retrieval of data from a crashed hard drive is often extremely costly, and there is NO GUARANTEE of success! [1]

Data loss makes your business suffer

- Your business data go hand in hand with your business operations. The loss of such data, or even their temporary inaccessibility, may threaten your hard-earned competitive position.
- Companies without proactive backup and recovery policies are likely to be OUT OF BUSINESS within 2 years of a major disaster. [4]
- Loss of business data may ruin your company's reputation, and may lead to expensive litigation.
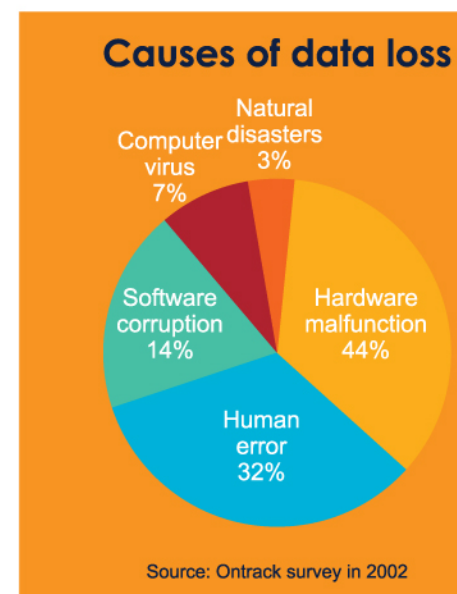- Worst of all, it interrupts your business continuity.

1. David M. Smith, PhD. "The importance of investing in that ounce of prevention." The Cost of Lost Data. 2003.
2. Recent study from Ontrack Data
3. Breach Study,Oct. 2005 Ponemon Institute
4. Study by the National Archives and Records Administration

Conventional approaches to backup are not good enough

Poor "unstructured" conventional backup methodologies, such as tape, CD Rom, and external hard drive, etc., are not good enough because of:

- High failure rates during restoration
- Slow read / write speed
- Difficulty in detecting problems of backup before performing restoration
- High maintenance cost
- Expensive offsite storage of tape library
- Reduced flexibility for backup caused by fixed capacity per backup media
- Increased likelihood of occurrence of negligence-induced problems (e.g. lost or misplaced data)

Causes of data loss

- Natural disasters 3%
- Computer virus 7%
- Software corruption 14%
- Hardware malfunction 44%
- Human error 32%

Source: Ontrack survey in 2002

What makes Ahsay™ the ultimate backup solution

1. Components with robust features

Ahsay™ Offsite Backup Server
The core server application of Ahsay™ Backup Software offering centralized backup services to diverse Ahsay™ Online Backup Manager and Ahsay™ A-Click Backup client users, which allows system administrators to manage individual users and their account configurations, as well as monitor the entire system's performance easily.

Ahsay™ Online Backup Manager
A comprehensive client side backup application bundled with various database backup modules for backing up files and databases from client-side computers to Ahsay™ Offsite Backup Server, which is most suitable for backing up servers.

Ahsay™ A-Click Backup
A light version of Ahsay™ Online Backup Manager with all major features retained while having an easy-to-use interface, which is most suitable for backing up desktop and laptop computers.

Ahsay™ Replication Server
A server application for storing data replicated from one or multiple Ahsay™ Offsite Backup Servers, ingeniously designed to provide an additional level of protection to the backed up data.

Relationship among the 4 components of Ahsay™

2. Continuous data protection

Ahsay™'s advanced continuous data protection (CDP) technology captures every version of a file that has been saved to your hard drive. With CDP, even if your hard drive crashes completely after you have worked for a full day without invoking backup manually yourself, the saved copy of your working files will still be intact on the backup server. It provides a highly dependable means of real-time, continuous data protection for servers, desktops, and laptops effortlessly and transparently, without any human intervention. In addition, backup will only run when the computer is idle, or when the level of CPU utilization falls below a specific percentage (e.g. 20%), leaving backup operation completely transparent to users.

The virtue of backup is to make copies of critical data so that these additional copies can be used to restore the original following a data-loss disaster. With Ahsay™, data will be copied, compressed, 128-bit / 256-bit encrypted and finally uploaded to a remote server located offsite through Secure Sockets Layer (SSL). These backed up data are 100% restorable to their original formats, when needed, by simply clicking a few buttons. In addition, Ahsay™ provides another level of protection by allowing replication of the remote backup server(s) to another remote location. This gives a double protection that cannot be provided by other backup software alone.

3. All platforms and common databases supported

Ahsay™ supports all leading operating systems which can run Java2 Runtime Environment 1.4.1 or above, which are essentially all operating systems, including Windows, Linux, Mac, NetWare, NAS devices, etc. Besides, Ahsay™ comes with modules specially designed for backing up common database applications, including Microsoft Exchange Server, Microsoft SQL Server, Lotus Notes/Domino, Oracle and MySQL. This allows you to back up all these databases professionally as recommended by their respective software vendor easily without requiring you to know how it works technically behind the scenes. If the databases or applications you are using in-house are not listed here, don't worry. Our extensible and easily configurable command line tools enable you to add custom backup logics to basic backup operation through simple scripting.

4. Support of load-balancing and Windows Active Directory

The newly added load-balancing feature is ideal for larger enterprises that have a sizable number of client computers to back up concurrently, as multiple Ahsay™ Offsite Backup Servers can be run at the same time to spread the loading of concurrent backup. This makes it possible for the backup system to achieve optimal resource utilization, throughput, and response time. Moreover, system reliability is greatly improved with added redundancy.

The support of Windows Active Directory (or LDAP) allows user backup accounts to be created automatically and backup quota to be shared by a group of users. Aided by Windows Active Directory, system administrators are able to customize the default backup setting for different users or user groups. It even allows client-side backup setting to be overridden by server setting at the system level, user level, and backup set level. This flexible and highly extensible architecture makes complex requirements on system and user administration an easy task for novice administrators.

5. Backup 500GB in one night

Our seed load and in-file delta technologies enable backup of a large volume of data to be completed in a very short period of time. The seed load feature allows backup of the large volume of data to a local hard drive. With our proprietary in-file delta technology, the original file is required to be backed up once only, i.e. in the first backup job. Subsequently, only the changes within the file made since the previous backup are necessary to be backed up.

For example, for a file that is as large as 500GB, you can simply seed load the full backup to a removable local hard drive and then deliver the seed loaded data in the removable hard drive to the backup server. Since only the changes made within the 500GB file, normally less than 1%, i.e. 5GB, of the original file size, are required to be backed up again, this amount of data can be backed up easily to the server via the Internet or Intranet in one night. As a result, instead of having to back up 500GB everyday, you just need to back up 5GB everyday to keep the file up-to-date on the backup server.

Date	Incremental		Storage space (GB)
DAY 1	Seed Load		(Full) 500
DAY 2	Upload		(Full) 500 + (Delta-1) 5 Total=505
DAY 3	Upload		(Full) 500 + (Delta-1) 5 + (Delta-2) 5 Total=510
DAY 4	Upload		(Full) 500 + (Delta-1) 5 + (Delta-2) 5 + (Delta-3) 5 Total=515

6. Backup individual mail in Microsoft Exchange Server

Microsoft Exchange Server is one of the most popular email servers used by businesses of any size. Ahsay™ Backup Software's built-in Microsoft Exchange Server Backup Module allows you to back up all critical data within Microsoft Exchange Server, including individual email, calendar, and contact list, etc. This capability makes Ahsay™ an ideal backup tool for Microsoft Exchange Server.