

# Ahsay™ Backup Software

## The Ultimate Choice for Businesses

Ahsay™ Backup Software equips with a full range of enterprise-class features for backing up data stored in database servers, email servers, file servers, desktops and notebooks. Over 1,000,000 worldwide customers are using Ahsay™ in protecting their mission critical data. Thus, it is the ultimate choice for businesses of any sizes.



### Secure Data Protection

All user accounts are protected by passwords. Besides, data will be compressed and 256-bit encrypted with an encryption key selected by the user on the client-side before being uploaded and stored on the backup server. The key will never be uploaded to the backup server during backup. Moreover, uploading of backup data can be done through secure SSL channel. This whole mechanism provides exceptional security to the backed up data.



### Fast Backup Speed

Ahsay™'s seed load feature allows backing up of a large volume data to a local storage device during the first backup job. 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. Thereafter, only the changes within the file made since the previous backup are necessary to be backed up. With these two features, backing up of a large volume of data can be completed in a very short period of time.



### Support Common Databases & Virtual Systems

Unlike other software, you do not have to purchase needed backup modules one-by-one. Ahsay™ comes with all backup modules which support Microsoft Exchange Server mail-level backup, Microsoft SQL Server, Microsoft Sharepoint, Oracle, MySQL, Lotus Domino/Notes, Hyper-V Server, VMware, etc., thus making it the best value-for-money backup software available on the market.



### Turning NAS into Enterprise Backup Server

The backup server application of Ahsay™ can be run smoothly on common NAS devices, turning them into enterprise-class backup servers with robust features. NAS devices have high storage capacity, high scalability, and reasonably powerful CPUs. At the same time, their prices are far lower than regular servers. Therefore, combining a NAS device with Ahsay™ Backup Software gives SMBs a robust and economical backup solution that is not available elsewhere.



### Replication for Added Protection

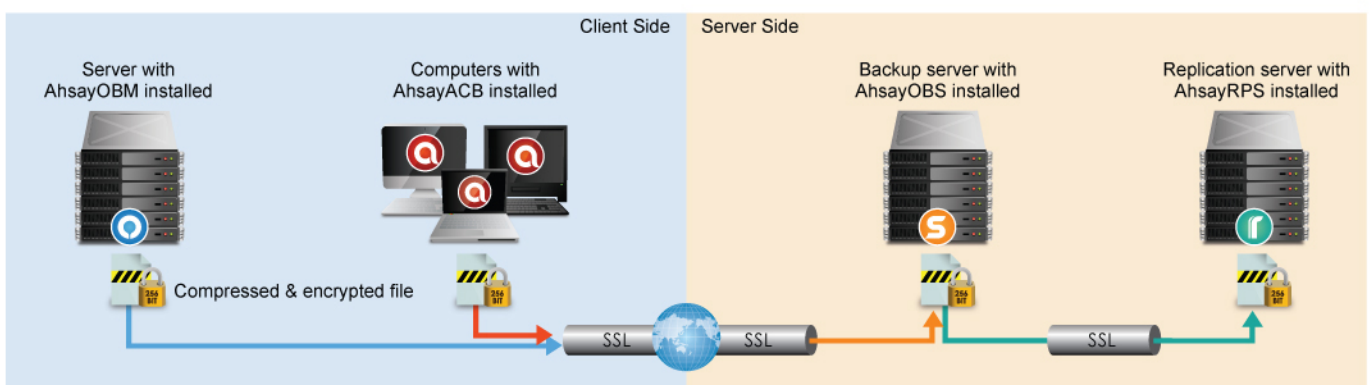
The replication application of Ahsay™ Backup Software offers an additional level of data protection. Through this application, the data of the backup server can be replicated to another server located away from the primary backup server. In case the backup server fails, backup data are still available in the replication server. Moreover, the replication server can take up the role of the failed backup server and continue to provide backup service to all backup users.



### Comprehensive Backup Report

Ahsay™ will notify every backup user about the backup status after a scheduled backup. The user will know if the backup is successful, with errors or warnings, etc. It also proactively informs system administrator on any error occurred on the backup server through a comprehensive administrator report. System log files are also available on the web management console for easy trouble shooting.

## Core Components



### AhsayOBM

It is a comprehensive client-side backup application bundled with various database and email server backup modules for backing up files and databases from client-side servers to AhsayOBS.



### AhsayACB

It is a light version AhsayOBM with all major features retained while having an easy-to-use interface. It is most suitable for backing up files in desktop and laptop computers.



### AhsayOBS

It is the core server-side application which offers centralized backup services to diverse all backup users. It allows a system administrator to manage individual users and their account configurations, as well as monitor the entire system's performance easily.



### AhsayRPS

It offers an additional level of data protection by providing an offsite store for backup data from multiple AhsayOBS servers. Data replication is close to real-time, thus eliminating the chance of data loss from happening.

## Robust Features



### Cross-Platform Operation

Applications of Ahsay™ Backup Software can be run on essentially all common platforms, including Windows, Linux, Mac, NetWare, UNIX and all other platforms that support Java. Moreover, Ahsay™ supports cross-platform operation. For example, client-applications running on various Windows and Mac machines can communicate flawlessly with the backup server running on Linux platform.



### Support Common Databases

AhsayOBM client-side backup application comes with specialized backup modules for backing up common databases and email servers, including Microsoft Exchange Server, Microsoft SQL Server, Oracle, MySQL, and Lotus Domino/Notes. System administrator is able to activate or deactivate individual modules for different users through the web management console. In conjunction with our command line tool, AhsayOBM is even able to back up Microsoft Sharepoint, Hyper-V Server, VMware Server, and other applications.



### 256-Bit Encryption

All data will be compressed and encrypted with 256-bit encryption with an encryption key selected by user on the client-side application before being uploaded and stored on the backup server. The encryption key will NEVER be uploaded to the server during backup. In addition, user can also select to upload backup data through a secure SSL channel to further increase the level of security.



### Microsoft Exchange Server Mail-Level Backup

The built-in Microsoft Exchange Brick-Level Backup Module is able to perform mail-level (brick-level) backup and restore for Microsoft Exchange Server, including individual emails, calendars, and contact lists, etc. When a data loss disaster strikes, a system administrator can restore any individual emails, calendars and contact lists within a very short period of time, without the need to restore the full Exchange's information store. This capability makes Ahsay™ an ideal backup tool for Microsoft Exchange Server.



### Continuous Data Protection

The advanced Continuous Data Protection (CDP) feature of Ahsay™ Backup Software captures every version of a file that has been saved to your hard drive. With CDP, whenever there are changes made to the files in the backup set, it will automatically back up the changes to the backup server. Thus, it provides a highly dependable means of real-time, continuous data protection for file servers, desktops, and laptops effortlessly and transparently, without any human intervention.



### In-File Delta Incremental / Differential Backup

Both client-side applications of Ahsay™ Backup Software equipped with our proprietary In-File Delta incremental / differential technology. With this feature, the original file is required to be backed up once only, i.e. in the first backup job. Thereafter, only changes are necessary to be backed up, greatly reducing the time required to back up large amounts of data.



### Bulk Account Creation Tool

Ahsay™ Backup Software comes with a simple bulk account creation tool which allows a system administrator to quickly create the backup accounts on the backup servers for all users in a company, as well as customize the backup settings for each user.



### Windows System Backup and Restore

For computers running Microsoft Windows Vista Business/Enterprise/Ultimate Edition or Windows Server 2008, Ahsay™ Backup Software is able to perform Windows System Backup and Restore, i.e. bare-metal backup and restore. It allows a user to restore Windows system on a brand new computer even though it is with different hardware configuration as the failed one. For other Windows versions, Ahsay™ is also able to perform this Windows System Backup and Restore in conjunction with StorageCraft's ShadowProtect application.



### Support Microsoft Outlook / Outlook Express

The client applications of Ahsay™ Backup Software can be used to back up Microsoft Outlook and Microsoft Outlook Express, the two most popular email readers used by businesses and home users. Few users know where to find the related files storing the personal information (e.g. ".pst", ".dbx") and address book (".wab") used by these email readers to back up. With Ahsay™, backing up these data becomes really easy as it only requires clicking a few buttons.



### Run on NAS Devices

Instead of using regular servers that might cost a fortune to Small and Medium Businesses (SMBs), Ahsay™'s backup server application can be installed and run on various models of NAS devices flawlessly. Thus, for an SMB who would like to own an enterprise-class backup server for on-site or offsite backup but with a limited budget on I.T. related spending, using a NAS device as the backup server can greatly reduce the spending on hardware.



### Web-Based Restore

Ahsay™ Backup Software allows users to restore backup data via the Internet through any web browser. This provides the option of restoring backed up data from a computer that has no Ahsay™'s client applications installed. It would thus be very useful when a user needs to restore some backed up files during traveling or business trip.



### Centralized Web Management Console

Ahsay™ Backup Software comes with a centralized web management console which allows system administrator to manage the whole backup system from anywhere at anytime through any web browsers, such as configuring backup sets, throttling bandwidth, enabling add-on modules, setting users' quota, restoring data for specific users, etc. On the other hand, a user can also make use of the web console to configure profile, edit backup sets, etc.



### Instant Replication

With proper configuration, backed up data stored on AhsayOBS can be automatically replicated to AhsayRPS after a backup job is finished. This instant replication provides added protection to the data backed up in AhsayOBS. In case the AhsayOBS fails, AhsayRPS can be converted into AhsayOBS, so that scheduled backup jobs will not be interrupted.



### Support 31 Languages

Ahsay™ Backup Software supports 31 languages, which cover over 90% of the world's population. New languages are being added continuously. Therefore, even if you have offices in different corners of the world using different languages, Ahsay™ can be used to back up all the servers, desktops and notebooks in all of your offices.

## System Requirement

	Platform	Hardware	
	Windows 2000 / XP / 2003 / 2008 / 7 (Server version recommended) Linux kernel 2.4 or above Solaris 2.x or above AIX HP-UX FreeBSD All other operating systems which support Java2 Runtime Environment 1.4.2 or above	Memory : 512MB (Minimum) 1GB (Recommended)	Storage Space : 400MB
	Windows 2000 / XP / 2003 / Vista / 2008 / 7 Mac OSX 10.3 or above Linux kernel 2.4 or above NetWare 5.1 or above Solaris 2.x or above AIX HP-UX FreeBSD All other operating systems which support Java2 Runtime Environment 1.4.2 or above	Memory : 128MB (Minimum) 256MB (Recommended)	Storage Space : 110MB
	Windows 2000 / XP / 2003 / Vista / 2008 / 7 Mac OSX 10.3 or above	Memory : 128MB (Minimum) 256MB (Recommended)	Storage Space : 110MB
	Windows 2000 / XP / 2003 (Server version recommended) Linux kernel 2.4 or above Solaris 2.x or above AIX HP-UX FreeBSD All other operating systems which support Java2 Runtime Environment 1.4.2 or above	Memory : 128MB (Minimum) 512MB (Recommended)	Storage Space : 150MB

## Professional Support

Ahsay™ offers following channels in resolving customers' technical problems.



### 24/7 Customer Support

Our technical support team works 24/7 in resolving technical problems from customers. We also offer phone support to Hong Kong customers during working hours. For non-working hours, customers can send questions to us through email and we guarantee they will be served within 8 hours.



### Online Discussion Forum

Ahsay™'s worldwide customers actively share their experience and knowledge about our product on our online discussion forum. It is an effective channel for customers seeking for help from other experienced customers.



### Ahsaypedia

Ahsaypedia is the fastest way to find the answers of questions related to our product, as it is carefully organized into categories for easy reference. Its powerful search engine enables users to get answers easily and efficiently from the database.

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