Amanda Enterprise Clients Overview

Open Source Backup and Recovery

Centralize and automate backup and recovery for your Linux, Solaris, Windows, and Mac platforms—while slashing costs

"**IT managers benefit by reducing their IT costs with subscription fees that are up to 80 percent lower than major competitive products.**"

Storage administrators today face a serious challenge: protecting huge amounts of enterprise data stored on diverse, multi-vendor systems—while administrative duties are growing and budgets are shrinking. Clearly, centralized management of backup and recovery across all platforms is essential to increase administrator productivity. The dilemma is how to achieve centralized, secure data protection and recoverability without incurring high software costs or vendor lock-in.

Amanda Enterprise, coupled with its clients, provides the answer. With Amanda Enterprise running on a Linux or Solaris backup server, and Zmanda client software on your servers, workstations, and desktops, you gain powerful data protection across the network at a fifth of the cost of major backup products. All Zmanda clients interface seamlessly with the Zmanda Management Console to provide one intuitive, point-and-click interface to backup multiple Linux, Solaris, Windows, and Mac OS X systems, as well as databases and applications.

You benefit from fast installation and configuration, enterprise-class functions, central management, intelligent scheduling, and responsive technical support. You can choose to perform full or incremental backups. Since Zmanda clients only use industry standard data formats, you have the option to recover data using standard operating system tools and utilities. Whereas, all other commercial backup products employ their own data formats that require data to be restored with the same product used for backup.

Key Benefits

- One integrated backup solution for Linux, Solaris, Windows, and Mac OS X platforms

- Enhanced administrator productivity with easy-to-use, centralized, Web-based management console

- Support for full and incremental backup

- Flexible backup media options, including Amazon S3 Internet storage

- Open data formats that eliminate vendor lock-in

- Reduced software costs by 80 percent with low subscription fees

- Amanda is certified to contain zero security defect by the Department of Homeland Security

- 24x7 technical support and comprehensive documentation

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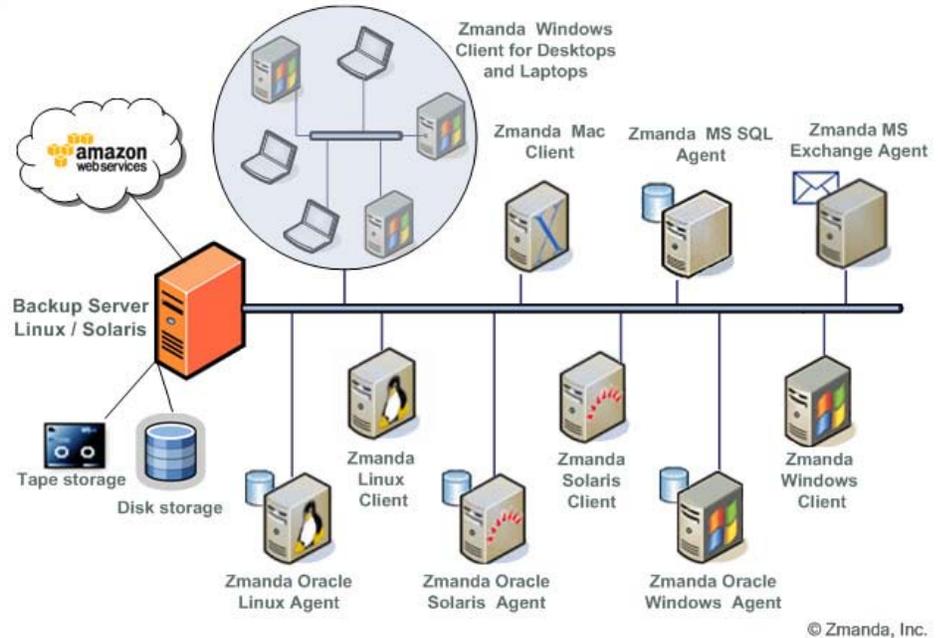
Zmanda Linux Client

You can install a Zmanda Linux Client on every Linux computer that requires protection and complete the backup and recovery configuration in minutes. The Zmanda Linux Client provides reliable and cost-effective backup and recovery protection for a wide variety of Linux distributions including Red Hat, Oracle Enterprise Linux, Fedora, CentOS, SUSE, Debian and Ubuntu. All Linux backup images are in open tar format to ensure recoverability, portability, longevity and vendor independence. The Zmanda Linux Client manages hard links, timestamps, sparse files, encryption, compression, and other factors to ensure complete integrity during backup and restore operations.

Zmanda Solaris Client

For servers and workstations running the Solaris or Open Solaris operating system, the Zmanda Solaris Client provides the same fast, reliable, and cost-effective protection and powerful features as the Zmanda Linux Client. For organizations

that use both Linux and Solaris, there is the added advantage of one centralized, web-based management console for both environments.

Zmanda Windows Client

As employees typically work on Windows applications at any hour of the day or night, data must be backed up without shutting down the Windows systems. The Zmanda Windows Client leverages Microsoft VSS (Volume Shadow Copy Service) snapshot technology to enable backup of locked and open files on Windows without impacting users or applications. VSS provides the backup infrastructure for Microsoft Windows XP, XP Pro, Vista and Windows 2000, 2003, and 2008, as well as a mechanism for creating consistent point-in-time copies of data known as shadow copies.

The Zmanda Windows Client also protects the Windows System State, simplifying disaster recovery by enabling the roll-back of system changes to a prior state. In
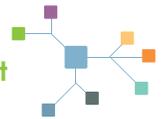
addition, the Windows Active Directory can be restored if it is compromised by a hardware, software or human error.

Zmanda Mac OS X Client

With Amanda Enterprise, you can backup multiple Mac OS X systems—as well as Linux, Solaris, and Windows systems—using a centralized, web-based management console. Administrators can backup files to tape,

disk, optical devices, and Internet storage (using Amazon Simple Storage Service (Amazon S3)). The Zmanda Mac OS X Client handles all the unique aspects of Mac systems such as correctly backing up and restoring resource forks and attributes.

Since the Zmanda Mac OS X Client uses the tar open data format, in case of emergency, administrators have the option to recover Macintosh files using

industry standard utilities—and can even recover backup data to a different system, such as Windows, Linux and Solaris.

Amanda Enterprise Software Clients for Linux, Solaris, Windows, and Mac Platforms Features-At-A-Glance

Features	Zmanda Client for Linux	Zmanda Client for Solaris	Zmanda Client for Windows	Zmanda Client for Mac OS X
Central management console	✔	✔	✔	✔
Full/incremental backup levels	✔	✔	✔	✔
Support for hard links	✔	✔	✔	✔
Support for sparse files	✔	✔	✔	✔
Timestamps unchanged	✔	✔	✔	✔
Include/exclude lists	✔	✔	✔	✔
Encryption	✔	✔	✔	✔
Compression	✔	✔	✔	✔
Cross platform restore	✔	✔	✔	✔
Support for resource forks	n/a	n/a	n/a	✔
Uses standard format for backup data	tar	tar	Zip	tar

A Comprehensive Backup and Recovery Solution

Amanda Enterprise provides a cost-effective data protection solution for your entire computer network. Amanda Enterprise backup server is installed on either a Linux or Solaris server, and Zmanda clients are installed on all file, database, email and application servers, workstations and desktops to facilitate backups to the backup server.

The Zmanda Management Console provides one web-based interface to backup multiple Linux, Solaris, Windows, and Mac OS X systems—as well Exchange Server, SQL Server, and Oracle databases. Data can be stored on tape, disk, optical

storage devices, or offsite using Amazon S3.

The backup server can scale to accommodate backup of files and databases on hundreds of desktops, workstations, servers. A unique approach to scheduling automatically optimizes network and storage usage, enhances administrator productivity, and achieves consistent backup windows. Industry standard encryption and compression tools are used to secure and store data.

With your annual subscriptions for Amanda Enterprise and its clients, you receive technical support and software updates. Zmanda's professional services team is

also available to help you design and implement the optimal backup and recovery solution for your heterogeneous environment. Services include training, legacy backup migration, storage and network capacity planning, and backup performance optimization.

So, as your data continues to grow and your budget shrinks, Zmanda provides the perfect solution to your need to increase data availability and protect critical information from accidental loss or destruction. Amanda Enterprise and its clients provide open source, enterprise-class data protection for your databases, application data, and entire systems—at one-fifth the cost of competitive products.

Technical Support: You can choose from three levels of support - Basic, Standard or Premium.

Enterprise Subscription	Basic	Standard	Premium
Software			
Certified software	✔	✔	✔
Security & Functionality updates	✔	✔	✔
Product Support			
Product alerts & Knowledge base access	✔	✔	✔
Number of supported cases	3	Unlimited	Unlimited
Phone support	✘	✔	24 x 7
Number of authorized contacts	1	1-5	Unlimited
Initial response time	Next business day	Within 8 hours	Within 3 hours

Professional Services: Zmanda's team of storage experts are available to design and implement a solution for your unique needs.

QuickStart

Zmanda professionals—working closely with Amanda core developers—implement Amanda Enterprise in your environment.

Implementation Services

Zmanda professional services engineers design a custom backup and recovery solution to meet your unique needs and assist in implementation.

Solution Services

Turnkey solutions include backup migration design, industry-specific data protection, and, when necessary, bare metal, and disaster recovery.

Capacity Planning & Performance Services

Zmanda's backup and recovery experts can help you analyze your storage and network capacity requirements for your backup operations or optimize your backup performance.

Take the Next Step

To learn more about how you can protect your Linux, Solaris, Windows, and Mac platforms, go to www.zmanda.com/aee, or contact a Zmanda representative at zsales@zmanda.com or (888) 496-2632.