



ARCHITECT NETWORK

INTRODUCING VERITAS BACKUP EXEC™ SUITE

January 6, 2005

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Managing More Storage with Fewer Resources

Storage administrators are struggling to manage more data with smaller backup windows and fewer resources than ever before. Large, distributed networks with remote offices and multiple media servers are common, but centralized, scalable solutions that link the data center and distributed storage infrastructure are not. The result is a complex, ongoing challenge to protect vital enterprise data and ensure business continuity.

To speed the backup and recovery process and ensure data availability, administrators need centralized control of multiple storage resources and high-performance storage management tools. Unified monitoring, reporting, and notification from a single management console for multiple media servers can dramatically increase storage management efficiency. Disk-based and incremental backup solutions can reduce backup windows and speed recovery times. Highly resilient designs can ensure data availability regardless of component failures, power outages, and even user error. With the right tools, administrators can provide the high-quality data protection that today's complex business and networking environments demand.

VERITAS Backup Exec Suite

VERITAS Backup Exec™ *for Windows Servers* is a comprehensive, cost-effective data protection solution for businesses ranging from small companies with limited IT resources to mid-sized and large, market-leading enterprises with multiple remote offices and distributed backup servers. Fast disk-based recovery, high system resiliency, and many ease-of-use features have made Backup Exec the gold standard for protecting Microsoft Windows server environments for over a decade.

Backup Exec 10 *for Windows Servers* features centralized management from a single console that lets administrators manage larger data backups faster and more efficiently. The single point of administration supports more efficient backup and recovery implementation, increased operational resiliency, and more proactive visibility. Administrators can leverage this management power with new, disk-based backup functionality that reduces backup and restore times and offers greater protection for remote servers, Microsoft solutions, database applications, desktops, and laptops.

With the release of Backup Exec 10 *for Windows Servers*, VERITAS introduces the VERITAS Backup Exec Suite. The Backup Exec Suite integrates Backup Exec 10 *for Windows Servers* with VERITAS Replication Exec™ 3.1 and VERITAS Storage Exec™ 5.3 through VERITAS Backup Exec SmartLink™ technology. Replication Exec 3.1, featuring Cluster Agent support, protects remote office data while reducing costs and minimizing IT workload. Storage Exec 5.3 maximizes storage resource utilization and reduces backup windows. Together, these applications help administrators deliver continuous data protection with a backup and recovery solution that meets the evolving needs of today's businesses.

Continuous Data Protection

Protecting data at the headquarters office and main data center is challenging enough. For data located in remote offices and on employee laptops, where exposure and risk are higher, IT administrators need even greater vigilance and solutions that are effective in any situation.

The Backup Exec Suite protects Windows-based, business-critical information even in highly exposed locations. This integrated, easy-to-manage solution gives administrators the visibility they need to protect data and storage resources throughout the network. The Backup Exec Suite uses the existing network infrastructure, so administrators gain continuous data protection without purchasing additional

hardware or expanding IT staff. All protected data can be stored to tape or archived for long-term data or disaster recovery needs, ensuring lasting data protection.

Fastest Disk-Based Recovery

End-users have little time or patience for extended data recovery operations, so administrators must be able to recover data quickly. With the introduction of the Advanced Disk-based Backup Option, independent tests confirm that VERITAS Backup Exec 10 *for Windows Servers* delivers the fastest disk-based restores (<http://www.veritest.com/clients/reports/veritas/default.asp>).

Disk-based recovery technology offers higher performance than tape backup, in a more practical approach that maximizes data availability to end users. The Advanced Disk-based Backup Option improves on these advantages by speeding backup operations even more with less administrator effort. The result is less downtime, increased application availability, and more efficient use of storage devices reducing the total cost of ownership. Administrators can spend less time on full backups, and complete all backup jobs on schedule.

Simple to Grow – Simple to Manage

As administrators become responsible for more data located on more resources around the enterprise, they need management solutions that are efficient as well as effective. VERITAS Backup Exec 10 *for Windows Servers* maximizes administrator efficiency by providing a centralized solution for distributed backup and recovery resources. The Central Administration Server Option lets administrators manage and monitor multiple Backup Exec servers, across the organization, from a single Backup Exec console. Console features also include unified monitoring, reporting, and notification. The centralized approach dramatically reduces the cost and effort required to manage multiple Backup Exec servers, and scales easily as storage resources expand.

In addition to integrating server management across the enterprise, the Backup Exec console provides a window into Replication Exec and Storage Exec features. Backup Exec SmartLink technology lets administrators view job status and alerts generated by Replication Exec and Storage Exec jobs from the Backup Exec Console. Consolidating tasks through the Backup Exec suite helps administrators increase productivity by managing more devices with less effort.

VERITAS Backup Exec 10 for Windows Servers

Backup Exec 10 *for Windows Servers* is a certified, highly-reliable backup and recovery solution that can scale from a single server to a multi-server storage area network (SAN). This release delivers enhancements that simplify operation to make administrators more productive, speed backup and recovery to increase application availability, and improve data protection for high-risk environments such as laptops. These enhancements are compatible with a variety of commonly-used business applications and databases to provide enterprise-wide protection.

The new features in this release focus on productivity, starting with the Central Administration Server Option. Providing greater resiliency in the backup and recovery environment, and offering active visibility into network-wide backup and recovery functions, the Central Administration Server Option allows administrators to manage operations from a single console. Using the central console, administrators create and delegate jobs to backup servers throughout the network, including those in remote offices. The single point of control unifies independent Backup Exec servers and reduces duplicated management efforts. This increases backup and recovery standardization and dramatically improves the speed of making changes across the environment. The robust and scalable Backup Exec solution improves productivity through centralized management, load balancing, fault tolerance, and monitoring and reporting for multiple Backup Exec media servers.

The Central Administration Server ensures greater operational resiliency with automatic load-balancing and job failover between servers. These features increase availability by eliminating single points of failure and the need for manual connection restores. Load-balancing also increases storage resource utilization and efficiency.

Finally, the Central Administration Server promotes greater productivity with better visibility into the storage environment. Real-time monitoring and holistic reporting help administrators identify trends across the entire Backup Exec environment. This helps administrators to prevent problems before they occur and resolve issues quickly.

The new Advanced Disk-Based Backup Option also improves administrator and end user productivity. Featuring Synthetic and Off-Host backups, the Advanced Disk-Based Backup Option supports faster backups and restores, saving administrator time, reducing network bandwidth needs, and increasing application availability, without impacting the original client.

The Synthetic Full Backup feature allows administrators to perform a one-time, baseline full backup and then run smaller, incremental backups on the protected data. Backup Exec combines the full and incremental backups to create a new synthetic full backup each time the backup process is run. Data is then recovered by simply restoring from a single backup image. The Synthetic Full Backup feature both reduces the time taken to produce a full backup and eliminates the need to repetitively restore successive incremental backups during a restore.

Synthetic Full operations are executed on the Backup Exec media server without accessing the Client machine. This allows the synthetic full backup to be produced outside of the time-critical backup window, reducing application downtime and network bandwidth. Synthetic backups also allow for quick client restore from a single backup image, with no need to restore from multiple tapes and incremental backups.

Off-Host Backups create point-in-time snapshots that have minimal impact on the production application and system performance. The snapshots can be exported to another host for backup, eliminating the performance impact of a backup operation and allowing the server to remain dedicated to application processing. This process virtually eliminates the backup window, because the workload is moved from the LAN and application server to the SAN and backup server. Administrators can also automate the off-host backup of Exchange servers to increase accuracy and efficiency, and guarantee data integrity.

The Desktop and Laptop Option protects data on desktops and laptops regardless of location. In addition to improving data protection and efficiency, this option synchronizes multiple desktops and laptops so the most up-to-date file versions are available to all users. End users can restore their own files without help from an IT administrator.

Together, the new Backup Exec features improve overall data storage efficiency and reduce administrative costs for a wider range of platforms and applications than ever before. Backup Exec 10 software provides an agent for Microsoft SharePoint Portal Server 2003, and is the first solution to integrate with the Microsoft Operations Manager and support Microsoft Live Communication Server 2005. Enhanced protection for servers running Oracle 10g, Lotus Domino, and support for SAP R/3 running Oracle, SAP, or SQL databases is also included. Backup Exec 10 software also introduces a high performance remote agent for Linux and UNIX servers, supporting full, differential, incremental, working set, and user-defined backup types.

VERITAS Replication Exec 3.1

VERITAS Replication Exec software copies data from multiple remote offices over an IP connection to a central location for consolidated backups. This replication solution is ideal for remote offices with

limited IT resources. The software is highly automated, providing continuous data protection with maximum ease-of-use and minimal effort from the IT administrator. The centralized approach also reduces costs by eliminating the need for backup hardware, media, and administration at the remote offices.

Replication Exec software is integrated with Backup Exec software through Backup Exec SmartLink. The Backup Exec SmartLink technology allows users of VERITAS Replication Exec to determine the completeness and quality of all specified Replication Exec jobs, add appropriate entries to the Backup Exec job log, and post alerts of adverse conditions with any Replication Exec replication job pairs. Together, these solutions simplify storage management by allowing administrators to monitor company-wide data protection from one console.

VERITAS Storage Exec 5.3

Many organizations try to address increasing storage demands by increasing capacity. This approach provides temporary respite, but does not address one of the most significant reasons that storage demands are so high -- valuable storage resources wasted on inappropriate, non-business files. VERITAS Storage Exec software helps organizations maximize storage resources and reduce backup windows by providing storage quotas for individual users and blocking non-business files such as MP3s and viruses from company servers. With real-time storage reporting, users can analyze system contents and clean up old, duplicate, or unneeded files themselves to reduce administration costs. Storage Exec is seamlessly integrated with Backup Exec 10 via Backup Exec SmartLink, and Backup Exec reports can be backed up through Storage Exec.

Storage Exec 5.3 is easy to install and use, and is fully Microsoft Windows certified by Veritest to work in supported Microsoft environments. This release also offers a variety of new agents and options, including the Remote Server Agent, Remote Workstation Agent, Enterprise Administration Option, Advanced Reporting Option, and Network Appliance Option. Remote agents can be installed on Windows computers across the network from the Administration Console.

VERITAS Backup Exec SmartLink

VERITAS Backup Exec SmartLink simplifies management by integrating Backup Exec 10 *for Windows Servers* with other VERITAS solutions. With Backup Exec SmartLink, administrators can view job status and alerts with Replication Exec software and Storage Exec jobs from the Backup Exec Console. Productivity and resources continue to be a major focus for organizations of all sizes, and Backup Exec SmartLink provides administrators with a single point of administration for many tasks -- letting them manage more with less.

Conclusion

VERITAS Backup Exec Suite brings three powerful storage technologies together to address the most pressing need in storage management: doing more with less. Backup Exec, Replication Exec, and Storage Exec all include productivity-enhancing features that maximize administrator efforts and storage resource return on investment. Through the centralized management console in Backup Exec 10 *for Windows Servers* and Backup Exec SmartLink, administrators have ready access to the features of all three products to leverage storage management efforts throughout the enterprise. End users will also benefit from Backup Exec Suite as administrators manage more data and more servers in more locations, faster and more effectively than ever before.



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