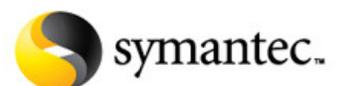


ALTIRIS.
SMART DECISIONS.



Symantec Backup Exec™ System Recovery Integration with the New Dell OpenManage™ Architecture

ALTIRIS: NOW PART OF SYMANTEC



Altiris, Now Part of Symantec

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Introduction

On November 28, 2006, Dell announced its efforts to develop a new systems management console based on Altiris® Notification Server™ (http://www.dell.com/content/topics/global.aspx/corp/pressoffice/en/2006/2006_11_28_rr_000?c=us&l=en&s=corp). Later, in the May 2007 edition of Dell's *Power Solutions* magazine, Ed Reynolds, Director of Dell Systems Management, again referenced the development effort underway to build a new Dell console on top of the Altiris architecture (<http://www.dell.com/downloads/global/power/ps2q07-20070334-OpenManageNews.pdf>). The article outlined the functionality this new solution would offer and proposed some potential directions product development may take in the future.

In April 2007, Symantec completed the acquisition of Altiris and has worked to integrate many of its technologies with the Altiris platform to support the Dell initiative. To date, integration work with Symantec™ Endpoint Protection, Ghost™, and pcAnywhere™ are at various stages of completion. Others are in the planning stages. Perhaps some of the most valuable integration work that has completed to date is with Symantec's Backup Exec System™ Recovery product. Symantec has completely written a version of Backup Exec System Recovery that runs natively on Notification Server and uses the Altiris configuration management database (CMDB).



Having Backup Exec System Recovery available on the Altiris architecture offers Dell customers some very convenient integration with free Altiris tools for Dell management. It also provides a welcome addition to the Altiris server management product line for server backup.

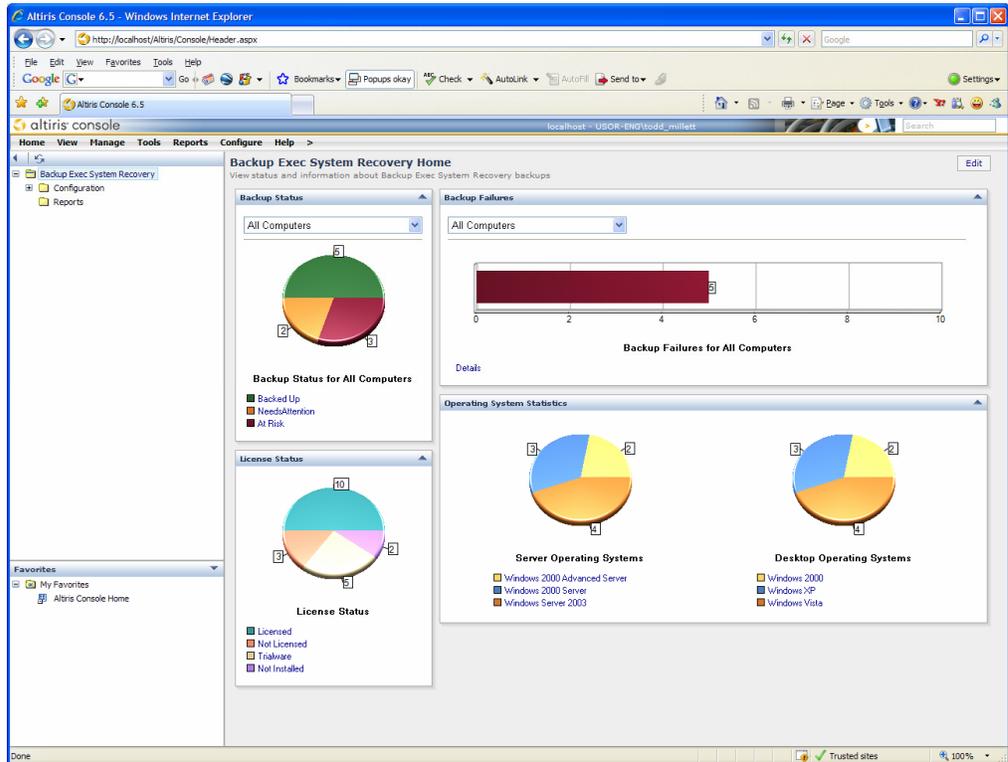
This document introduces some of the basic capabilities of this new Altiris based version of Backup Exec System Recovery from Symantec.

What is Backup Exec System Recovery?

Backup Exec System Recovery is a disk-based system recovery solution that captures a recovery point of an entire live Windows system, including operating system, applications, system settings, configurations and files without impacting user productivity or application usage. This recovery point can be conveniently saved to virtually any disk storage device, including SAN, NAS, Direct Attached Storage, RAID and CD/DVD. To help ensure that systems are automatically backed up, you can automate the creation of recovery points with a daily, weekly or monthly schedule—or schedule as often as every 15 minutes. You can also specify that certain events, such as installing a new application or logging on or off of a computer, will create incremental recovery points. In the event of a system failure, you can perform a full system restoration, even to bare-metal systems in minutes—without the need to manually reinstall and reconfigure operating systems, applications, system settings and preferences—to significantly reduce recovery times.

Symantec Backup Exec System Recovery Integration Component for Altiris is a revolutionary new solution designed to add the aforementioned rapid system backup and recovery protection to the Notification Server framework.

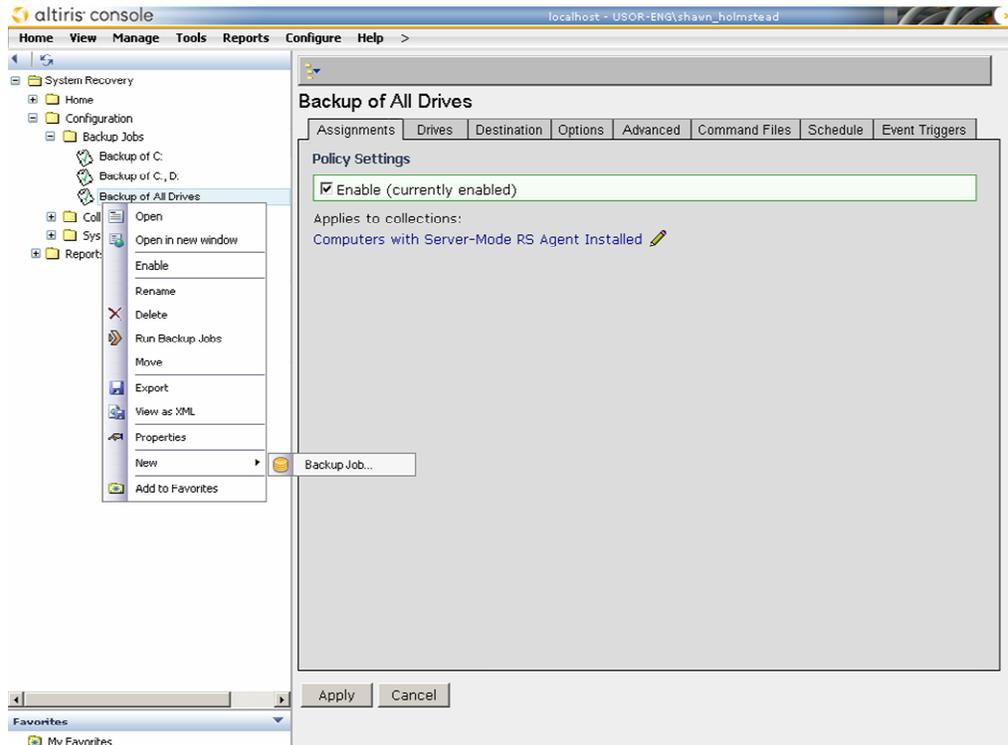
Figure 1: The Altiris based Backup Exec System Recovery console: Centralized dashboards display enterprise-wide backup and recovery protection



Backup Exec System Recovery has always been able to operate in a stand-alone fashion, as well as allow for centralized management via the Backup Exec System Recovery Manager. The Backup Exec system Recovery Integration Component for Altiris seamlessly integrates the best of Backup Exec System Recovery directly into Notification Server, allowing Altiris administrators to work directly within known interfaces and database frameworks.

The Backup Exec System Recovery Integration Component for Altiris stores reporting, status, job, and overall system protection information in the Altiris CMDB. This enables the administrator to interact with key features directly from within the Altiris Console, such as running backups, viewing backup status and reports, and creating new backup policies. Customers requiring the use of additional feature/functionality via Backup Exec System Recovery Manager can easily do so without interfering or interrupting communication with Notification Server.

Figure 2: Create, delete, rename, and configure backup policies in the Altiris Console



Key Features and Benefits

Recover Complete Windows Systems in Minutes, not Hours or Days

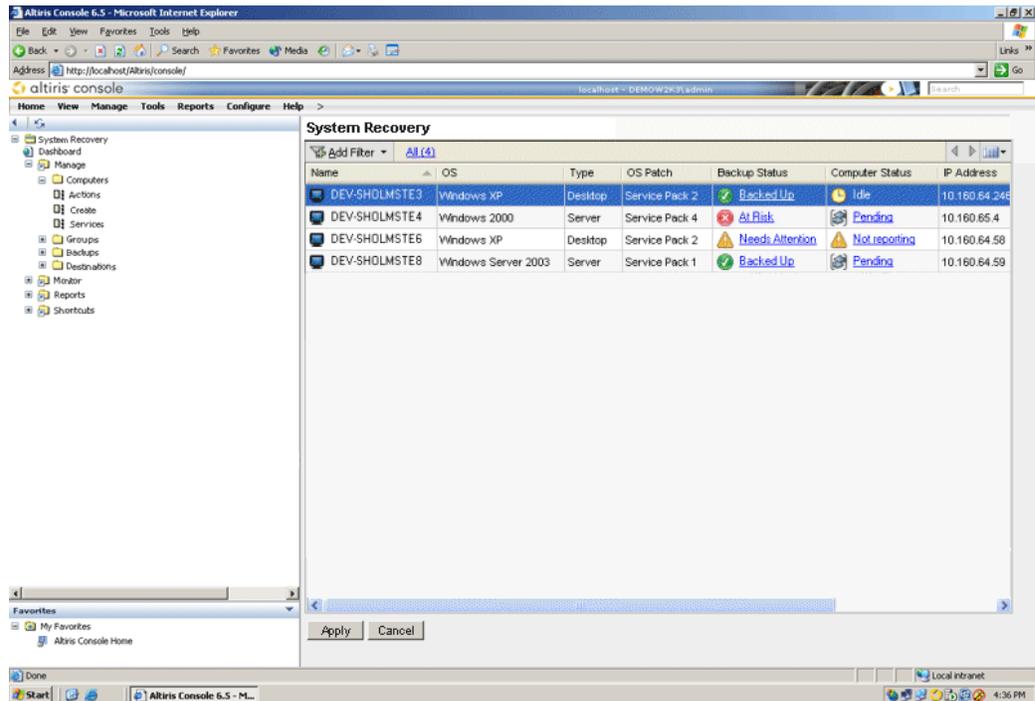
Symantec Restore Anywhere™ technology in Backup Exec System Recover allows the application to recover dissimilar hardware or virtual Windows environments. The hardware-independent restoration provides flexible and unparalleled freedom to enterprise customers allowing them to restore systems anytime, from anywhere, to virtually any device within their existing IT infrastructure.

Key capabilities include:

- Dissimilar hardware restoration (including different storage controllers and hardware abstraction layers) reduces recovery times and saves significant hardware investments.
- Combines hot imaging with the ability to restore to different hardware platforms on the fly.
- Allows users to migrate their system to a new computer without requiring a new installation. This is useful for upgrading hardware and for repurposing systems to serve a different role.

- Convert system recovery images into VMWare virtual machines and vice versa, giving you greater flexibility in managing recovery environments. This capability also allows you to test patches, application installations, and the like in the virtual environment before applying them to live systems.

Figure 3: Backup job status displays natively in Altiris Notification Server



Additional Support for Microsoft Exchange Server Recovery

The Symantec Backup Exec System Recovery Exchange Retrieve Option is an application that allows administrators to perform granular recovery of Exchange objects from Recovery Points of systems containing Microsoft Exchange Server. Backup Exec System Recovery must first be used to capture a Recovery Point of a Microsoft Exchange Server before the Backup Exec Exchange Retrieve Option can be used.

Benefits include:

- Protects entire Exchange server quickly and easily, enabling granular and full system recovery without the need for multiple backups.
- Locates the Exchange database file (.edb) automatically from selected Recovery Points and prepares for granular e-mail recovery.

- Recovers critical Exchange mailboxes, folders, messages, or attachments in seconds—without the need for mailbox backups—and lets you forward them directly through Microsoft Outlook if desired.
- Allows rapid, easy search capability to quickly locate desired email message(s).

Conclusion

By combing the power and flexibility of the Altiris Notification Server framework with Symantec Backup Exec System Recovery into a seamless, integrated solution, Altiris administrators now have the best of both worlds at their fingertips: the leading systems management solution together with the leading Windows system backup and recovery solution.

Additional Resources

To learn more about the new Altiris based Backup Exec System Recovery from Symantec visit the following links.

- Backup Exec System Recovery product page
http://www.symantec.com/business/products/overview.jsp?pcid=2244&pvid=1602_1
- Symantec press release
http://www.symantec.com/about/news/release/article.jsp?prid=20071017_01
- Infoworld review
http://weblog.infoworld.com/virtualization/archives/2007/10/symantec_extend.html